



Mission Critical Server Solutions

• **NVMe** • **SAS 3.0** • **100G/40G Ethernet** • **56G IB** • **Titanium Level (96%+)** • **BBP®**

New Generation X10 Broadwell/Haswell and Skylake Solutions



X11/X10/X9 Xeon® Processor E7/E5/E3/D Based Platforms

1U TwinPro™ Two DP Nodes in 1U
Redundant Titanium Power, Dual 10GBase-T,
PCI-E 3.0 x16 and "0" slots, 16 DIMMs

New!



SYS-1028TP Series

- Redundant **Titanium Level (96%+)** power supplies
- Up to 1TB ECC DDR4-2133MHz in 16 DIMM slots
- 1 PCI-E 3.0 x16 and 1 "0" slot
- Dual 10GBase-T or Gigabit Ethernet ports
- 4 hot-swap 2.5" **SAS3/SATA** drives per Node
- FDR InfiniBand onboard

All Flash Solutions
48 Tool-less Hot-swap **NVMe**
2U SuperStorage System

New!



SSG-2028R-NR48N

- 48 Tool-less hot-swap 2.5" **NVMe** drives and 2x 2.5" optional hot-swap rear drive bays
- Up to 1.5TB ECC DDR4-2133MHz in 24 DIMMs
- 2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 slots
- SIOM card for multiple I/O options
- Redundant 1620W **Titanium Level (96%+)** power supplies

MicroBlade
0.05/0.1/0.2U MicroBlade Servers
Atom™, Xeon® DP/UP Nodes in 6U/3U

New!



3U MicroBlade (MBI-6219G-T)

6U MicroBlade (MBI-6218G-T41X)

Industry's Densest Xeon® UP and DP Servers:

- 4/2/1 independent nodes per blade, scalable for compute, I/O and memory applications
- Features Supermicro high-volume, low-power, high-density VLP memory
- **Titanium Level (96%+)** redundant digital power
- Redundant 10/2.5/1GbE SDN switches with 40/10Gbps uplinks
- Redundant CMMs with management software



Future Intel® Xeon® Processor E5-2600 v4 Product Family (Broadwell) Supported

GPU/Xeon Phi™

New! 4/6/8 GPU/Xeon Phi™ Cards in 1U/2U/4U

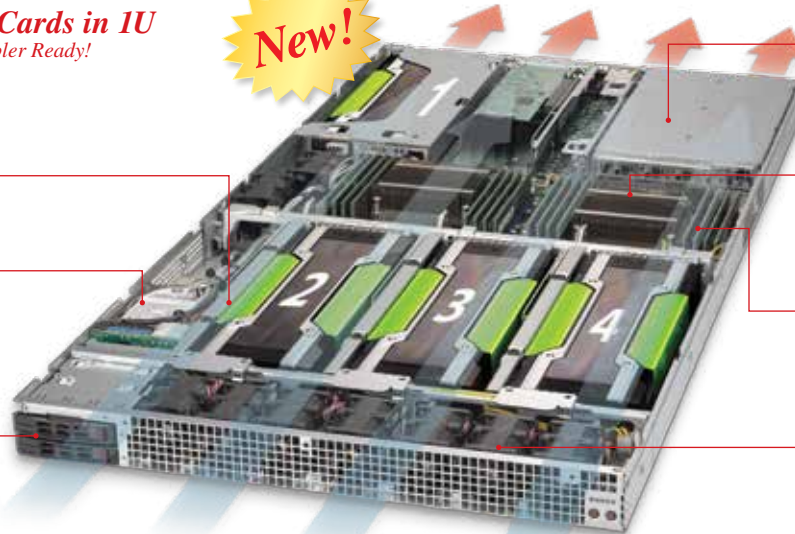
Supports up to: • 36 Cores per Server and 160W TDP CPUs • 1.5TB DDR4-2133MHz in 24 DIMMs

• 10GBase-T • Redundant **Titanium Level (96%)** Power Supplies

4 GPU/Xeon Phi™ Cards in 1U
Xeon Phi™/Tesla® Kepler Ready!



- 4 double-width GPU/Xeon Phi™ cards with **No Preheating**
- 2x 2.5" internal SATA drives
- 2x 2.5" hot-swap SATA drive bays



- Redundant 2000W **Titanium Level** power supplies
- Dual Intel® Xeon® processor E5-2600 v3 product family
- Up to 1TB ECC DDR4-2133MHz in 16 DIMMs
- 9x 4cm heavy-duty counter-rotating PWM fans

SYS-1028GQ-TR(T)

1U UP 2 GPUs/Xeon Phi™
Xeon Phi™/Tesla® Kepler Ready!



SYS-1018GR-T (shown)
SYS-5018GR-T

2U 4/6 GPUs/Xeon Phi™
Xeon Phi™/Tesla® Kepler Ready!



SYS-2028GR-TR(T)
SYS-2028GR-TRH(T)

4U 8 GPUs/Xeon Phi™
Xeon Phi™/Tesla® Kepler Ready!



SYS-4028GR-TR(T)

Tower/4U 4 GPUs/Xeon Phi™
Xeon Phi™/Tesla® Kepler Ready!
Titanium Level (96%+) Power



SYS-7048GR-TR

Maximum Acceleration for Highest-Performance Workloads



The Supermicro GPU/Xeon Phi™ SuperServer® systems support up to: 1.5TB DDR4 2133MHz LRDIMM ECC memory in 24 DIMM slots, 4/6/8 GPU/Xeon Phi™ cards in 1U/2U/4U, 10 SATA 3.0 (6Gbps) ports with Intel® C612 controller, LAN options up to 2x 10GBase-T or 2 Gigabit Ethernet ports, redundant **Titanium Level (96%)** power supplies, integrated IPMI 2.0 with KVM over dedicated LAN, and dual or single Intel® Xeon® processor E5-2600 v3 product family up to 36 cores per node and 160W TDP.

Generating massively parallel processing power and unrivaled networking flexibility with PCI-E 3.0 expansion slots and 10GBase-T LAN, the Supermicro GPU/Xeon Phi™ SuperServer® systems deliver the maximum processing acceleration for the most compute-intensive workloads in the smallest physical dimensions. With support for the very latest DP processors, these powerful Supermicro GPU/Xeon Phi™ SuperServers help customers to create the most optimized solutions for their supercomputing needs. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Supermicro's powerful GPU/Xeon Phi™ SuperServer® systems are optimized for HPC, Medical Imaging, Oil and Gas simulation, Computational Finance, Science and Engineering, and Media/Entertainment.



Future Intel® Xeon® Processor E5-2600 v4 Product Family (Broadwell) Supported

MicroBlade

- Support up to: • 28/14 Xeon® E5-2600 v3 DP, 28/14 Xeon® E3-1200 v5/v4/v3 UP in 6U/3U, 56/28 Xeon® D-1500 UP, or 112 Atom nodes in 6U • 120W DP Nodes in 0.2U
- Up to 99% cable reduction compared to 1U servers
- 2000W Titanium Level, N+1 or N+N Redundant Digital power supplies
- Redundant 10/2.5/1GbE SDN switches with 40G/10G uplinks
- Front-loading nodes for easy access and servicing • Redundant CMMs



3U MicroBlade (MBI-6219G-T)



6U MicroBlade (MBI-6218G-T41X)



(Rear View w/ 10G Switches)



(Rear View w/ 1G Switches)

MicroBlade Servers

10GbE

MBI-6128R-T2 MBI-6128R-T2X
Xeon® E5-2600 v3

New! 10GbE

MBI-6218G-T41X MBI-6118G-T41X
Xeon® D-1541

New!

MBI-6219G-T MBI-6118D-T2/T2H MBI-6118D-T4/T4H
Xeon® E3-1200 v5/v4/v3

MBI-6418A-T7H/T5H
Atom™ C2750/ C2550

Highest-Density, Most Cost-Effective UP and DP Blade Systems for Enterprises, Data Centers, HPC and Cloud Computing



The Supermicro MicroBlade system represents an entirely new type of computing platform. It is a powerful, flexible and extreme-density, all-in-one total system that features 112/56/28/14 MicroBlade server nodes in 6U/3U. The MicroBlade supports DP/UP Intel® Xeon® or Atom™ processors, and up to 4 HDDs/SSDs and a SATADOM per server. The MicroBlade enclosure can incorporate up to 2 Chassis Management Modules, and up to 4/2 Switches for efficient, high-bandwidth communications. It can incorporate up to 8 redundant (N+1 or N+N) 2000W Titanium/1600W Platinum Level high-efficiency (96%/95%) power supplies with cooling fans. This innovative new generation architecture includes servers, networking, storage, and unified remote management for cloud computing, dedicated hosting, web front end, content delivery, social networking, enterprises, and high performance computing applications.



Future Intel® Xeon® Processor E5-2600 v4 Product Family (Broadwell) Supported

SuperStorage

New! Highest Performance and Storage Density

Supports up to: • 36 Cores per Server and 145W TDP • 1.5TB DDR4-2133MHz in 24 DIMMs

• SAS 3.0 • Quad 10GbE LAN • Redundant **Titanium Level** Power Supplies



SSG-2028R-E1CR24N
SSG-2028R-E1CR24L
SSG-2028R-E1CR24H
24x 2.5" SAS3/SATA3
hot-swap drive bays
920W **Platinum Level**
Redundant power supplies



SSG-6028R-E1CR16T
SSG-6028R-E1CR12N
SSG-6028R-E1CR12L
SSG-6028R-E1CR12H
SSG-5028R-E1CR12L (UP)
Up to 16x 3.5" SAS3/SATA3
hot-swap drive bays
Up to 1000W **Titanium Level**
Redundant power supplies



**Kinetic SuperStorage
Object Storage**
SSG-K1048-RT
12x 3.5" data drives in 1U



48x 2.5" SAS3/SATA3 hot-swap drive bays
1600W **Titanium Level** Redundant power supplies
SSG-2028R-E1CR48N
SSG-2028R-E1CR48L



60x 3.5" SAS3/SATA3
hot-swap drive bays
2000W **Titanium Level**
Redundant power supplies
SSG-6048R-E1CR60N
SSG-6048R-E1CR60L



90x 3.5" SAS3 Top-Loading
Hot-Swap Drive Bays in 4U
CSE-946ED-R2KJBOD



72x HDDs in 4U, *Double Sided Storage*®
SSG-6048R-E1CR72L (HBA/ITmode)
72x 3.5" SAS3/SATA3 HDDs in 36x hot-swap drive bays
(2x HDD per bay)
2000W Redundant **Titanium Level** (96%) high-efficiency
power supplies with I²C & PMBus (2+1)
Double Sided Storage®
SSG-6048R-E1CR36N
SSG-6048R-E1CR36L
SSG-6048R-E1CR36H
SSG-5048R-E1CR36L (UP)
36x 3.5" SAS3/SATA3 hot-swap drive bays
1280W **Platinum Level** Redundant Digital power supplies

High Performance Storage Servers The Foundation of a Flexible and Efficient Storage Deployment



Supermicro's SuperStorage® solutions include everything needed for a rock solid storage foundation. Standard features, including unmatched computing power with the latest Intel® Xeon® E5-2600 v3 product family of dual socket processors. Individual models are designed to meet the demands of the toughest storage environments, from low-latency SSD applications to the massive capacity needed for large files used in media and entertainment and Big Data applications. SuperStorage supports both scale-up and scale-out deployment strategies allowing CPU and storage resources scale to meet diverse application requirements. SuperStorage Systems can be expanded using JBOD for improving economy as you scale. Enterprise customers in need of highest performance will appreciate Supermicro SAS 3.0 (12Gbps) support which provides low-latency and maximum data bandwidth. SuperStorage offers a no compromise storage platform with flexible market entry points from 2U, 3U and 4U form factors using 2.5" and 3.5" HDDs.

Applications include File, Block and Object Storage, CPU Intensive Storage, Virtual Storage, Single Instance Storage & Data Deduplication, Data Replication & Business Continuity, and Virtual Tape.



Future Intel® Xeon® Processor E5-2600 v4 Product Family (Broadwell) Supported

Hot-swap NVMe

New! Highest Performance • Up to 6x the bandwidth of SATA 3.0 (6Gbps) SSDs

• >7x Lower Latency than SAS 3.0 (12Gbps) SSDs • Widest Variety of Systems Available

**New! 2U
48 NVMe**



All Flash Solutions
2U SuperStorage:
SSG-2028R-NR48N
(U.S. Patent Pending)

**2U
24 NVMe**



• 2U Ultra: SYS-2028U-TN24R4T+



- 2U Ultra: SYS-6028U-TNR(4T/T)+ (shown)
SYS-2028U-TNR(4T/T)+
SYS-6028U-E1CNR(4)T+
SYS-2028U-E1CNR(4)T+
• DCO: SYS-6028R-TDWNR
SYS-6027R-CDNRT+
- TwinPro™: SYS-2028TP-DNC(T)(F)R
SYS-6028TP-DNC(T)(F)R
- EX DP: SYS-2028UT-B(T)(C1)NRT
- FatTwin™: SYS-F628R3-RTB(PT)N+
SYS-F618R2-RT(PT)N+
- SuperBlade™

**1U
10 NVMe**



- Ultra: SYS-1028U-TN10RT+ (shown)
SYS-1028U-TNR(4T/T/TP)+
- WIO: SYS-1028R-WTNR(T)
SYS-1027R-WC1NR(T)

1U Ultra 2.5"
1.5TB DDR4
2 NVMe/SAS3 Hybrid



SYS-1028U-TNR(4T/T/TP)+

2U Ultra 2.5", 1.5TB DDR4,
Titanium Level Power,
4 NVMe/SAS3 Hybrid



SYS-2028U-TNR(4)T+

2U Ultra 3.5", 1.5TB DDR4,
Titanium Level Power,
4 NVMe/SAS3 Hybrid



SYS-6028U-TNR(4)T+

2U Data Center Optimized,
16 DIMMs, up to 4 AOCs,
4 NVMe



SYS-6028R-TDWNR

1U WIO, SAS 3.0
2 NVMe (optional)



SYS-1028R-WC1R(T)

1U WIO,
NVMe Optimized



SYS-1028R-WTNR(T)

TwinPro™ 2U 2-Node
Up to 4x NVMe +
8x SAS 3.0 2.5" drives (per node)



SYS-2028TP-DNC(T)(F)R

TwinPro™ 2U 2-Node
Up to 4x NVMe +
2x SAS 3.0 3.5" drives (per node)



SYS-6028TP-DNC(T)(F)R

FatTwin™ 4U 4-Node
SATA, Rear I/O
2 NVMe



SYS-F628R3-RTB(PT)N+

FatTwin 8-Node
SATA, Rear I/O
2 NVMe



SYS-F618R2-RT(PT)N+

Large Bandwidth and Latency Improvements with True Hot-Swap Capability



The primary benefits of Supermicro SuperServer® solutions with **NVMe** support include improved performance (throughput and latency), hot-swap capability, ability to support many true hot-swap **NVMe** drives per server, cost-effectiveness compared to add-on card based solutions, and availability of many cost-optimized models from which to choose.

Supermicro is the first to market with true hot-swap support for **NVMe** SSD drives. This feature allows easy addition of storage capacity through the addition of SSDs, the replacement of existing SSDs with higher capacity units, or replacement of failed drives, while the server system is in operation. Additionally, the hot-swap feature protects against surprise removals, random device failures, or operator errors. Software hardening from Supermicro on its **NVMe** server product line provides an excellent protection against these all too-common data center issues.



Intel® Xeon® Processor E3-1200 v5 Product Family (Skylake) Supported

Skylake UP Servers

New! • Double the Memory (up to 64GB ECC DDR4-2133 MHz)

- All Gen 3.0 Expansion, Storage, and I/O (PCI-E 3.0, SATA 3.0, USB 3.0) • Quick Release Rails
- Front USB 3.0 Ports • **SAS 3.0 Ready** • 7-Year Lifespan Models

*Entry Appliance
Less than 12" Depth
SATA DOM Support*



SYS-5019S-L

*Entry Appliance
M.2 Mini-PCI-E Connector
Less than 15" Depth
SATA DOM Support*



SYS-5019S-ML

*Flexible I/O
3 PCI-E 3.0 Slots
Redundant 500W Power Supplies
SAS 3.0 Supported*



SYS-5019S-WR

*Cloud, Hosting
M.2 Mini-PCI-E Connector
Less than 20" Depth
SATA DOM Support
SAS3 Supported*



SYS-5019S-M

*Cloud, Hosting
M.2 Mini-PCI-E Connector
Less than 20" Depth
Redundant 400W Power Supplies
SAS3 Supported*



SYS-5019S-MR

*M.2 Mini-PCI-E Connector
Support Intel VHD
SATA DOM Support*



SYS-5019S-MN4

Best Power & Performance with Improved I/O



Supermicro X11 Skylake-S UP Servers provide substantial performance and efficiency improvements over previous server generations, including support for the latest Intel® Xeon® processor E3-1200 v5 product family that provides a 15% efficiency / performance increase; DDR4 memory implementation that delivers a 14%+ performance improvement over DDR3 memory; all PCI-E 3.0 implementation that achieves a guaranteed 8Gbps bus speed or a 60% performance enhancement over 5Gbps PCI-E 2.0; and all SATA 3.0 implementation bringing a guaranteed 6Gbps storage data rate or a 100% performance increase from the 3Gbps of SATA 2.0. In addition memory capacity is doubled from 32GB of DDR3 to 64GB of ECC DDR4 memory, a 100% increase.

Additional Supermicro advanced technologies enhancing the X11 Skylake-S UP server product line include SATA DOM (Disk on Module) support, Dual 10GBase-T and Quad Gigabit Ethernet LAN ports, IPMI 2.0, VHD, M.2 Mini PCI-E connector, PCI-E 3.0 x16 slots to support GPU/Xeon Phi™ cards, up to 7 expansion slots, Supermicro WIO (Wide I/O) flexible expansion slot capability, 7-year long-life for embedded applications, High-Efficiency power supplies with redundancy and BBP® (Battery Backup Power) options, short-depth and ultra-short depth appliance style chassis, 2.5" and 3.5" drive bays.

Supermicro X11 Skylake-S UP Servers are targeted for a wide variety of customer applications including Entry Appliance, Cloud Computing and Web Hosting, Network-Centric, Entry-Level Caching Appliance, Entry-Level Storage, and Flexible I/O. They are complemented by Supermicro Server Management Utilities that offer a comprehensive solution to manage and maintain Supermicro servers in an IT datacenter from a single console view; and also Supermicro Onsite Service and Support that provides flexible and customizable Service Level Agreements for remote help desk and rapid onsite support to cover Supermicro hardware solutions.



Future Intel® Xeon® Processor E5-2600 v4 Product Family (Broadwell) Supported

TwinPro™ /Twin

Up to 4 PCI-E SSDs • Four or Two Hot-Pluggable Nodes in 2U • 2 nodes in 1U

Supports up to: • 36 Cores per Node and 145W TDP • 1TB DDR4-2133MHz in 16 DIMMs • SAS 3.0 (12Gbps) • NVMe

• 12 HDDs/Node • FDR (56Gbps) InfiniBand/40G Ethernet • 10GBase-T • Redundant Titanium Level Digital Power Supplies

1U TwinPro™



1028TP-DTR / 1028TP-DTTR / 1028TP-DFR
1028TP-DC1R / 1028TP-DC1TR / 1028TP-DC1FR
2 hot swappable nodes in 1U
Redundant Titanium Level power,
SAS 3.0 (12Gbps) support

2U TwinPro™



2028TP-DEC(F)(T)R
Expander to support 12x SAS 3.0 HDDs provided



2028TP-DNC(T)(F)R
Up to 4x NVMe + 8x SAS 3.0 drives (per node)



6028TP-DNC(T)(F)R
Up to 4x NVMe + 2x SAS 3.0 drives (per node),
Up to 6x SAS 3.0 support (per node)

TwinPro2™



2028TP-H Series
4 DP Nodes in 2U, 24x 2.5" SAS3/SATA3 drives

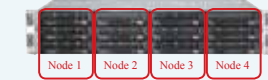


6028TP-H Series
4 DP Nodes in 2U, 12x 3.5" SAS3/SATA3 drives

Twin2™ / Twin



2028TR-H Series
4 DP Nodes in 2U, 24x 2.5" SAS2/SATA3 drives



6028TR-H Series
4 DP Nodes in 2U, 12x 3.5" SAS2/SATA3 drives



6028TR-D Series
2 DP Nodes in 2U, 12x 3.5" SAS2/SATA3 drives

Four or Two hot-pluggable Systems (Nodes) in a 2U form factor



The Supermicro Twin SuperServer® systems are a family of high-density 2U hot-plug node servers available with a variety of memory capacities, HDD technologies, PCI alternatives, networking capabilities, and GPU support options. The 2U TwinPro™/Twin systems support up to: 1TB of DDR4-2133MHz ECC LR DIMM memory in 16 DIMM slots, 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8, and 1 PCI-E 3.0 x16 "0" slot, GPU/Xeon Phi™ support, 8 ports of Avago® 3008/3108 SAS 3.0 (12Gbps) with optional SuperCap (CacheVault), 8 ports of SATA 3.0 (6Gbps), 12 ports SAS 3008 w/ expander, up to 4 NVMe, Single FDR (56Gbps) InfiniBand/40G Ethernet, dual 10GBase-T, integrated IPMI 2.0 with KVM over dedicated LAN, and dual Intel® Xeon® processor E5-2600 v3 product family up to 36 cores per node and 145W TDP.

The Supermicro Twin Family represents a revolution in Green Computing designed to support customers' critical applications and also reduce Data Center TCO to help preserve the environment. The 2U TwinPro™/Twin family extends the compute and storage capabilities of Supermicro's 2U Twin and 1U Twin family SuperServer® systems to achieve increased performance and power efficiency. Due to their shared components the Twin Family products improve cost-effectiveness and reliability over rackmount servers, while their modular architecture make them flexible to configure and easy to maintain. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Versatile configurations allow the Twin Servers to be optimized for many different environments including Enterprise, Data Center, Cloud Computing, HPC, Financial, Science and Engineering, File and Storage Servers.



Future Intel® Xeon® Processor E5-2600 v4 Product Family (Broadwell) Supported

Ultra Servers

- New!** Supports up to: • 36 Cores per Server and 160W TDP Dual Intel® Xeon® processor E5-2600 v3 Product Families
- 1.5TB DDR4-2133MHz in 24 DIMMs • 40G/10GBase-T /1GbE/10G SFP+ Flexible LAN port options
 - **NVMe/SAS3/SATA3** • 8/4 AOCs in 2U/1U • Redundant **Titanium Level (96%+)** Power Supplies

2U Ultra
3.5" Drives, **NVMe**, SAS3 Expander



SYS-6028U-E1CNR(4T/T)+
4 **NVMe** Support

2U Ultra
2.5" Drives, **NVMe**, SAS3 Expander



SYS-2028U-E1CNR(4T/T)+
4 **NVMe** Support

1U Ultra
2.5" Drives, 10 **NVMe**



SYS-1028U-TN10RT+
10 **NVMe** Support

1U Ultra
2.5" Drives, **NVMe**,
SAS3 Expander



SYS-1028U-E1CR(4/TP)+
SYS-1028U-TNR(4T/T/TP)+ (shown)
SYS-1028U-TR(4/4T/T)+
Up to 2 **NVMe** Support



SYS-6018U-TR(4/4T/T/TP)+

2U Ultra
2.5" Drives, 24 **NVMe**



SYS-2028U- TN24RT+ (shown)
SYS-2028U- TNR(4T/T)+
SYS-2028U- TR(4/4T/T/TP)+
Titanium Level (96%+) Power
Up to 24 **NVMe** Support



SYS-6028U- TNR(4T/T)+
SYS-6028U- TR(4/4T/T/TP)+
Titanium Level (96%+) Power
Up to 4 **NVMe** Support

Introducing Ultra Enterprise Servers



Supermicro's latest SuperServer® product line designed to deliver unrivaled performance, flexibility, scalability, and serviceability that is ideal for demanding Enterprise workloads.

Performance: Ultra Enterprise Servers feature the most powerful dual Intel® Xeon® processor E5-2600 v3 product family CPUs (160W/up to 36 Cores), with up to 1.5TB of memory in 24 DIMMs, SATA3 with optional **SAS3** and **NVMe** support for increased storage bandwidth, and energy efficient **Titanium** (96%+) / **Platinum** (94%) Level power supplies help greatly lower energy consumption costs of running your datacenter.

Flexibility: Ultra Enterprise Servers allow enterprise IT professionals the ability to easily qualify a single server platform that can be reconfigured for the widest variety of workloads, reducing qualification times and the need for maintaining additional models or spares inventories. A wide variety of Ultra Riser options are available that includes integrated dual or quad port 1G, 10GBase-T, 10G SFP+, 40G Ethernet, and future expansion options, support for Add-on SAS 3 HW/SW RAID controllers, and additional PCI-E 3.0 expansion slots in a single Add-on-Module making it simple and easy to reconfigure an Ultra Enterprise server quickly and repurpose it for any workload across your organization.

Scalability: Ultra Enterprise Servers are highly scalable and provide the greatest expansion density of any 1U/2U system on the market today. Supporting up to four PCI-E 3.0 Add-on-Cards in 1U and up to eight PCI-E 3.0 Add-on-Cards in a 2U, plus supporting multiple 3.5" and 2.5" SSD/HDD storage options (up to 24 drives) Ultra truly future-proofs your datacenter from a sea of ever changing business needs.

Serviceability: Supermicro understands the business requirements for quality and timely support in today's Enterprise. We offer excellent 24/7/365 support for our Ultra products including options for global overnight or 4-hour on-site service at your location. Plus, with our new remote management software options it makes remote management of your infrastructure simple and effective.

For more information about our full line of Ultra Enterprise Servers, please contact your Supermicro sales representatives and find out just how we can solve all your enterprise computing needs.



Future Intel® Xeon® Processor E5-2600 v4 Product Family (Broadwell) Supported

FatTwin™

Evolutionary 4U Twin Architecture

- Supports up to: • 36 Cores per Node and 145W TDP CPUs • 1TB DDR4-2133MHz in 16 DIMMs
- SAS 3.0 (12Gbps) • 12x 3.5" HDDs/1U • 10GBase-T • Redundant Titanium Level Power Supplies



Highest Performance-per-Watt and per-Dollar



The Supermicro FatTwin™ is a high-density 8/4/2 hot-plug node SuperServer® system available with a variety of memory capacities, HDD technologies, PCI expansion, networking capabilities, and GPU/Xeon Phi™ support options. The FatTwin™ supports up to: 1TB of DDR4-2133MHz Registered ECC memory in 16 DIMM slots, 1 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8 Micro LP card, 8 SAS 3.0 (12Gbps) ports with Avago® 3008 or Avago® 3108 controller, dual 10GBase-T or dual Gigabit Ethernet ports, redundant Titanium Level (96%) power supplies, integrated IPMI 2.0 with KVM over dedicated LAN, and dual Intel® Xeon® processor E5-2600 v3 product family up to 36 cores per node and 145W TDP.

The Supermicro FatTwin™ represents a revolution in Green Computing designed to support customers' critical applications and also reduce Data Center TCO to help preserve the environment. The FatTwin™ extends the compute and storage capabilities of Supermicro's existing Twin SuperServer® systems to achieve increased performance and power efficiency. Due to its shared components the FatTwin™ improves cost-effectiveness and reliability, while its modular architecture makes it flexible to configure and easy to maintain. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Versatile configurations allow the FatTwin™ to be optimized for many different environments including Enterprise, Data Center, Cloud Computing, HPC, Financial, Science and Engineering, File and Storage Servers.



WIO

New! 2/6 Add-on Cards in 1U/2U

Supports up to: • 36 Cores per Server and 145W TDP • 1TB DDR4-2133MHz in 16 DIMMs

• NVMe • Dual 10GBase-T • Redundant Platinum Level Power Supplies

*WIO, Short-Depth 16.9" Compact
16 DIMM, 2x 10GBase-T*



SYS-1028R-WMR(T)

Optimized NVMe Solution



SYS-1028R-WTNR(T)

*WIO 1U
16 DIMMs, 2x 10GBase-T, AOM*



SYS-1028R-WTR(T)

*WIO 1U
16 DIMMs, 2x 10GBase-T, 3108 SAS3*



SYS-1028R-WC1R(T)

*WIO 1U
16 DIMMs, 2x 10GBase-T, AOM*



SYS-6018R-WTR(T)

*UP WIO
Flexible I/O Storage Array*



SYS-1018R-WCOR

*Supports Intel® Xeon® processor
E5-2600/1600 v3 product family*

*WIO 2U
16 DIMMs, 2x 10GBase-T, LHR/RHR/AOM*



SYS-6028R-WTR(T)

*UP WIO 2U
8 DIMMs, LHR/RHR*



SYS-5028R-WR

*Supports Intel® Xeon® processor
E5-2600/1600 v3 product family*

Densest I/O for Diverse Applications



The Supermicro WIO SuperServer® product family supports up to: 1TB of DDR4-2133MHz LRDIMM ECC memory in 16 DIMM slots, 2/6 Add-on Cards in 1U/2U, 10 SATA 3.0 (6Gbps) ports with Intel® C612 controller, optional **NVMe** drives, LAN options up to 2x 10GBase-T or 2 Gigabit Ethernet ports, redundant **Platinum Level** (95%) power supplies, integrated IPMI 2.0 with KVM over dedicated LAN, and dual or single Intel® Xeon® processor E5-2600 and E5-1600 v3 product families up to 36 cores per system and 145W TDP.

Supermicro WIO SuperServer® systems allow users to select from a wide range of I/O options to optimize the storage and networking alternatives to best fit their applications. In addition to enabling customizable configurations and optimization for a wide range of application requirements, Supermicro WIO SuperServers also provide attractive cost advantages and investment protection. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Supermicro WIO SuperServers are optimized for General Purpose, ERP/MRP, and Network and Security Appliance Applications.



Future Intel® Xeon® Processor E5-2600 v4 Product Family (Broadwell) Supported

Data Center Optimized

New! Best Cooling for Highest Data Center Power Efficiency

Supports up to: • 36 Cores per Server and 145W TDP • 16 DIMMs, 1TB DDR4-2133MHz

• 4 standard AOCs and 1 SAS3 Mezzanine AOM • NVMe • 2x 10G SFP+

1U 16.9" Compact Size



SYS-6018R-MD
SYS-6018R-MDR (shown)

2x 10G SFP+



SYS-6018R-TD
SYS-6018R-TDTP
SYS-6018R-TDTPR (shown)

3x AOCs and 1 AOM in 1U



SYS-1028R-TDW
Supports 8x 2.5" Hot-swap SATA3 Drive Bays

3x AOCs and 1 AOM in 1U



SYS-6018R-TD8
Supports 8x 3.5" & 2x 2.5" Fixed SATA3 Drive Bays

3x AOCs and 1 AOM in 1U



SYS-6018R-TDW
Supports 4x 3.5" Hot-swap SATA3 Drive Bays

*4x AOCs and 1 AOM in 2U
NVMe Support*



SYS-6028R-TDWNR
Supports 8x 3.5" Hot-swap SATA3 & 4x 2.5" NVMe Drive Bays

Best Cooling for Highest Data Center Power Efficiency

The Supermicro Data Center Optimized serverboard product family supports up to: 1TB of DDR4-2133MHz LRDIMM ECC memory in 16 DIMM slots, 4 standard AOCs and one SAS3 Mezzanine AOM, 10 SATA3 (6Gbps) ports via Intel® C612 controller, LAN option up to 2x 10G SFP+, 4 NVMe drive bays, integrated IPMI 2.0 with KVM over dedicated LAN, and dual Intel® Xeon® processor E5-2600 v3 product family up to 36 cores and 145W TDP.

With an improved thermal design that utilizes power efficient components and offset processors that help eliminate CPU preheating to allow higher operating temperatures, the Supermicro Data Center Optimized serverboard product family delivers the best performance-per-watt to optimize data center Total Cost of Ownership (TCO). The Data Center Optimized product line perfectly complements modern energy efficient data center designs.

With best performance and energy efficiency, Supermicro Data Center Optimized serverboards are the best selection for Virtualized Hosting, Cloud Computing, and Database applications in data center environments where electric power must be minimized.



Supermicro® Global SKUs

Supermicro® provides full integration, fulfillment and support services for customers in the Americas, Asia-Pacific (APAC), Europe, Middle East and Africa (EMEA) regions. Logistics and support for each region is processed through advanced operations centers in San Jose, CA (HQ), Taiwan (TW) and the Netherlands (NL). Products listed below are available in all of our branches across the globe.



Supermicro's global operations centers offer customers TTM advantages with streamlined processing, accelerated delivery as well as cost savings with reduced shipping charges and dedicated support within local time zones. Consult with your local Supermicro Sales Representative to optimize fulfillment and support of your Supermicro products through our worldwide logistics and service centers.

SYS-1028U-TR(4/4T/T)+	SYS-6028R-TR	SSG-6047R-E1R36N
SYS-6018U-TR(4/4T/T/TP)+	SYS-6028R-WTR(T)	SYS-6026TT-HTRF
SYS-2028U-TR(4/4T/T/TP)+	SYS-6028TP-HC1R/HC1TR/HC1FR	SYS-6027TR-HTRF
SYS-6028U-TR(4/4T/T/TP)+	SYS-6028TP-HTR/HTTF/HTFR	SYS-2027TR-H71RF
SYS-5018D-MTF	SYS-6028TR-D72R/DTR	SYS-2027TR-HTRF
SYS-1028GR-TR	SYS-6028TR-HTR/HTFR	SYS-2027GR-TRF
SYS-1028R-TDW	SYS-7038A-I	SYS-6027R-TRF
SYS-1028R-WTR(T)	SYS-7048A-T	SYS-7037A-I
SYS-2028GR-TR	SYS-7048GR-TR	SYS-7047GR-TRF
SYS-2028TP-DNCR/DNCTR/DNCFR	SYS-5015A-EHF-D525	
SYS-2028TP-DTR/DTRT/DTRF	SYS-5017C-MTF	FatTwin™
SYS-2028TP-HC1R/HC1TR/HC1FR	SYS-1027GR-TRF	SYS-F618R3-FT
SYS-2028TP-HTR/HTTR/HTFR	SYS-1027R-WRF	SYS-F628R3-R72B+
SYS-2028TR-H72R/H72FR	SYS-6017R-NTF	SYS-F628R3-RTB+
SYS-6018R-MT(R)	SYS-6017R-TDF	SYS-F617R3-FT
SYS-6018R-TDW	SYS-6017R-WRF	SYS-F617R2-R72+
SYS-6018R-WTR(T)	SSG-6027R-E1R12N	

Global SKUs are identified by the Global SKU logo (see above) in this document, and Global SKU part numbers are highlighted in green text throughout.

Featured Products and Solutions

GPU/Xeon Phi™	.....	2
MicroBlade	.....	3
SuperStorage	.....	4
Hot-Swap NVMe	.....	5
Skylake UP Servers	.....	6
TwinPro™/Twin	.....	7
Ultra Servers	.....	8
FatTwin™	.....	9
WIO	.....	10
Data Center Optimized	.....	11
Global SKUs	.....	12

Rackmount

New! X10 Generation: Systems - Intel® Xeon® E5-2600 v3 (Haswell) product family support

New! Ultra

1028U-TN10RT+, 1028U-EICR4+, 1028U-EICRTP+	.....	16
1028U-TNR4T+, 1028U-TNRTP+, 1028U-TRT+, 1028U-TR4+	.....	17
1028U-TR4T+, 1028U-TR4TP+, 6018U-TR4+, 6018U-TRT+, 6018U-TR4T+, 6018U-TRTP+	.....	18
2018U-TN24RT+, 2028U-EICNRT+, 2028U-EICNR4T+	.....	19
6028U-EICNRT+, 6028U-EICNR4T+, 2028U-TNRT+, 2028U-TNR4T+, 6028U-TNRTP+, 6028U-TNR4T+	.....	20
2028U-TR4+, 2028U-TRT+, 2028U-TR4T+, 2028U-TRTP+, 6028U-TR4+, 6028U-TRT+, 6028U-TR4T+, 6028U-TRTP+	.....	21

New! GPU/Xeon Phi™ Supercomputing

1028GQ-TR, 1028GQ-TRT, 1028GR-TR, 1028GR-TRT	.....	22
1018GR-T, 5018GR-T	.....	33
2028GR-TR(T), 2028GR-TRH(T)	.....	59
4028GR-TR(T), 7048GR-TR	.....	86

New! Data Center-Optimized

6018R-MD, 6018R-MDR, 6018R-TD	.....	23
6018R-TDTP, 6018R-TDTPR, 6018R-TD8	.....	24
6018R-TDW, 1028R-TDW	.....	25
5018R-M, 5018R-MR, 6017R-TDT+	.....	34,35
6028R-TDWNR	.....	59

New! WIO

1028R-WTNR, 1028R-WTNRT, 1028R-WMR, 1028R-WMRT	.....	26
1028R-WC1R(T), 1028R-WTR(T), 6018R-WTR(T)	.....	27
1018R-WC0R, 5018R-WR	.....	33,34
6028R-WTR(T)	59
5028R-WR	61

New! Short-Depth

1028R-MCT, 1028R-MCTR, 6018R-MT, 6018R-MTR	23, 24
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New! Mainstream

2028R-C1R4+/C1RT4+, 2028R-C1R/C1RT, 6028UX-TR4, 6028R-T/TT, 6028R-TR/TT	28,29
7048R-TR, 7048R-TRT, 7048R-C1R, 7048R-C1RT, 7048R-C1R4+, 7048R-C1RT4+	.....	60,61

New! SuperStorage

6028R-EICR12N/H/L, 2028R-EICR24N/H/L	.....	54-56
2028R-ACR24H, 2028R-ACR24L, 5028R-EICR12L	.....	62
2028R-DE2CR24L, 6028R-EICR12T/N/H/L, 6028R-EICR16T/N/H/L, 2028R-NR48N, 2028R-EICR48N/L, 2028R-EICR24N/H/L	.....	63-65
5048R-EICR36L, 6038R-TXR, 6038R-EICR16N/L/H, 6048R-EICR24N/L	.....	70
6048R-TXR, 6048R-EICR24H, 6048R-EICR36N, 6048R-EICR36L, 6048R-EICR36H, 5048R-EICR36L	.....	74, 75, 76
6038R-EICR16N/H/L, 6038R-DE2CR16L	.....	82,83
6048R-EICR72L, 6048R-EICR60N/L	.....	87
6048R-EICR24N/H/L, 6048R-EICR36N/H/L, 5048R-EICR36L, 6048R-DE2CR24L	.....	88,89

New! X11 Generation Systems- Intel® Xeon® E3-1200 v5 (Skylake) product family support	
New! UP 1U Servers	
5019S-L, 5019S-ML, 5019S-M, 5019S-MR, 5019S-MN4, 5019S-WR, 5019S-MT	29-31, 53
New! UP Tower Server	
5039D-i	32
New! X11 Generation Systems- Intel® 6th Generation Core™ i7/i5/i3 (Skylake) product family support	
New! Embedded Systems	
5019S-M2, 1019S-M2, 5029S-TN2	32
New! X10 Generation Systems- Intel® Xeon® D-1500 product family support	
New! Embedded Systems	
5018D-RN4T	48
5028D-TN4T	66
X9 1U SuperServer®	
GPU/Xeon Phi™ Supercomputing, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family series, Intel® C600 chipset with QPI up to 8GT/s	
1027GR-TRF(T)+, 1027GR-72R(T)2, 1027GR-TR(T)2	36
1027GR-TRF/TRFT, 1027GR-TSF, 1027GR-TQFT, 1027GR-TQF	37
WIO+, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
1027R-WRFT+/WRF4+, 6017R-N3RFT+/N3RF4+	38
WIO, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
1027R-WCINR(T), 1027R-WCIR(T), 1027R-72RFTF, 1027R-WTRFTF	39
1027R-72BRFTF, 6017R-WTRFTF+, 6017R-72RFTF, 6017R-WTRFTF, 1027R-N3RF, 1027R-WRF, 6017R-NTF, 6017R-WRF	40,41
Data Center-Optimized, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
1027R-73DARF, 1027R-73DBRF, 1027R-73DAF	42
6017R-TDLF(Bulk), 6017R-7TDLRF (Bulk), 6017R-TDF(Bulk)	43
6017R-TDAF, 6017R-TDF+ (Bulk)	44
Mainstream, Short-depth, Dual 8-Core Intel® Xeon® E5-2600 v2 processor series, Intel® C602J chipset	
6017R-M7UF (Bulk), 6017R-M7RF, 6017R-MTLF	44,45
Hadoop SuperServer®, Dual 8-core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6017R-73THDP+, 6017R-73HDP+	45
UIO, Dual 12-Core Intel® Xeon® E5-2400 and E5-2400 v2 product families, Intel® C600 chipset with QPI up to 8GT/s	
6017B-NTF, 6017B-URF, 1027B-URF	46
Mainstream, Dual 8-Core Intel® Xeon® E5-2400 and E5-2400 v2 product families, Intel® C600 chipset with QPI up to 8GT/s	
6017B-MTF, 6017B-MTLF, 6017B-MTRF, 1027B-MTF	47
Mainstream, Single 8-core Intel® Xeon® E3-1200 v3 processor series, Intel® C224 chipset	
5018D-MTLN4F, 5018D-MTRF, 5018D-MTF, 5018D-MF, 1018D-73MTF	48,49
GPU/Xeon Phi™ Supercomputing, Single 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset	
1017GR-TF, 5017GR-TF	49,50
WIO, Single Intel® Xeon® E5-2600 v2 processor family, Intel® C602 chipset	
5017R-WRF, 1017R-WR	50,51
Mainstream, Single 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C602 chipset	
1017R-MTF, 5017R-MTF, 5017R-MTRF, 5017R-MF	50,51
Embedded, Single Intel® Atom processor series	
5018A-TN4, 5018A-FTN4, 5018A-MLTN4, 5017K-N6, 5017A-EF, 5017A-EP, 5018A-MLHN4, 5018A-MHN4	52-54,56
Cold Storage SuperServer, Intel® ATOM processor C2750	
5018A-A(R/S)12L	55
Hadoop SuperServer®, Single 12-Core Intel® Xeon® E5-1200 v3 processor family, Intel® C204 chipset	
5017R-iHDP	55
SuperServer®, Single 8-Core Intel® Xeon® E3-1200 and E3-1200 v2 processor series, Intel® C200 chipset or E3-1200/1200 v2 processor	
1017C-TF, 5017C-LF, 5017C-MF, 5017C-TF, 5017C-MTF, 5017C-MTRF, 5017C-URF, 5017P-TLN4F, 5017P-TF	56-58
X9 2U SuperServer® and SuperStorage Systems	
New! EX-DP, 32 DIMMs, Dual 15-Core Intel® Xeon® E7-8800/4800/2800 v2 processor family, Intel® C602 chipset with QPI up to 8GT/s	
2028UT-BC1NRT, 2028UT-BTNRT	67
GPU/Xeon Phi™ Supercomputing, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
2027GR-TRFH, 2027GR-TRFHT, 2027GR-TRF(T), 2027GR-TR2, 2027GR-TRT2, 2027GR-TSF	68,69
WIO+, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6027R-72RFTF+, 2027R-72RFTF+, 6027R-N3RFT+ / N3RF4+, 2027R-N3RFT+/N3RF4+	69,70
WIO, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6027R-N3RF, 2027R-WRF, 6027R-WRF	71
Data Center-Optimized, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6027R-CDNRT+, 6027R-TDARF, 6027R-73DARF	72,73
Mainstream, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6027R-3RF4+, 6027R-TRF, 6027R-72RF, 6027R-72RFT, 6027R-72RFT+	73-75
SuperStorage, Dual Intel® Xeon® E5-2400 v2 processor family, Intel® C602J chipset with QPI up to 8GT/s	
2027B-DE2R24L, 2027R-AR24NV	75,76
SuperStorage, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600J chipset with QPI up to 8GT/s	
2027R-AR24NV, 2027R-E1R24N, 027R-E1CR24L, 6027R-E1CR12N	76,77
6027R-E1CR12L, 2027R-E1R24N, 2027R-E1R24L, 6027R-E1R24L, 6027R-E1R12N, 6027R-E1R12T, 2027R-AR24	78-80
Hyper-Speed, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6027AX-TRF, 6027AX-72RF	80
Datacenter Optimized, Dual 8-Core Intel® Xeon® E5-2400 and E5-2400 v2 product families, Intel® C600 chipset with QPI up to 8GT/s	
6027B-TLF	81
UIO, Dual 8-Core Intel® Xeon® E5-2400 and E5-2400 v2 product families, Intel® C600 chipset with QPI up to 8GT/s	
6027B-URF	81
Mainstream, Single 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset	
5027R-WRF	81
X9 3U / Mini-Tower SuperServer®, SuperStorage, and SuperWorkstation Systems	
SuperStorage, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C602J chipset with QPI up to 8GT/s	
6037B-DE2R16L, 6037R-E1R16N, 6037R-E1R16L	83
I/O Optimized, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6037R-TXRF	84
Mainstream, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6037R-72RFT+, 6037R-72RF(T)	84
Mid-Tower Workstations	
5038D-i, 5037C-i, 5037C-T	85
X9 4U / Tower SuperServer®, SuperStorage, and SuperWorkstation Systems	
Storage, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6047R-E1R24N, 6047R-E1R24L, 6047R-E1R36N, 6047R-E1R36L, 6047R-E1R72L, 6047R-E1R72L2K, CSE-417E16-RJBOD2, CSE-417E26-RJBOD1, CSE-847E16-RJBOD1, CSE-847E26-RJBOD1	95-100

Mainstream, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s 7047R-TRF, 7047R-72RF, 7047R-72RFT, 7047R-3RF4+	92
I/O Optimized, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s 6047R-TXRF, 7047R-TXRF	94
Hyper-speed, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s 7047AX-72RF, 7047AX-TRF	169
GPU/Xeon Phi™ Supercomputing, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C602/C600 chipset with QPI up to 8GT/s 7047GR-TPRF, 7047GR-TPRF, 4027GR-TR(T), 7047GR-TRF	93,98
TwinPro™/Twin Systems	
New! X10 Generation TwinPro™ Systems - Intel® Xeon® E5-2600 v3 (Haswell) product family support	
New! 2U TwinPro² - 4 hot-swap nodes in 2U w/ 2.5" or 3.5" HDDs, New! 2028TP-HC1R, 2028TP-HC1TR, 2028TP-HC1FR, 2028TP-HC0R, 2028TP-HC0TR, 2028TP-HC0FR, 2028TP-HTR, 2028TP-HTTR, 2028TP-HTFR .104 6028TP-HC1R, 6028TP-HC1TR, 6028TP-HC1FR, 6028TP-HC0R, 6028TP-HC0TR, 6028TP-HC0FR, 6028TP-HTR, 6028TP-HTTR, 6028TP-HTFR .105	
New! 2U TwinPro™ - 2 hot-swap nodes in 2U w/ up to 4 NVMe per Node 2028TP-DNCR, 2028TP-DNCTR, 2028TP-DNCFR, 6028TP-DNCR, 6028TP-DNCTR, 6028TP-DNCFR	106
New! 2U TwinPro™ - 2 hot-swap nodes in 2U w/ 2.5" HDDs 2028TP-DECR, 2028TP-DECFR, 2028TP-DECTR, 2028TP-DC1R, 2028TP-DC1TR, 2028TP-DC1FR, 2028TP-DC0R, 2028TP-DC0TR, 2028TP-DC0FR, 2028TP-DTR, 2028TP-DTTR, 2028TP-DTFR	107
New! 2U Twin - Cost-Optimized, 2 hot-swap nodes in 2U 6028TR-DTR, 6028TR-D72R	108
New! 2U Twin² - Cost-Optimized, 4 hot-swap nodes in 2U 6028TR-HTR, 6028TR-HTFR, 2028TR-H72R, 2028TR-H72FR	109
2U Twin , Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
TwinPro² 2027PR-H & 6027PR-H Series	111-113
TwinPro™ 2027PR-D & 6027PR-D Series	114,115
6027TR-H(T/70/71/72)RF+, 2027TR-H(T/70/71)RF, 2027TR-H(T/70/71)QRF, 2027TR-H(T/70/71)FRF	116
6027TR-H(T/70/71)RF, 6027TR-H(T/70/71)QRF, 6027TR-H(T/70/71)FRF, 2027TR-D70RF+, 6027TR-D(T/70/71)RL	117
6027TR-DT(T/70/71)RF+	118
2027TR-D70RF/D70QRF/D70FRF	119
6027TR-D(T/70/71)RF, 6027TR-D(T/70/71)QRF, 6027TR-D(T/70/71)FRF	119
New! 1U Twin X10 Generation TwinPro™ Systems - Intel® Xeon® E5-2600 v3 (Haswell) product family support	
1028TP-D(C0/C1), 1028TP-D(C0/C1)TR, 1028TP-D(C0/C1)FR, 1028TP-DT(T/F)R,	102,103
1U Twin 1028TR-T(F), 6017TR-TF/TQF/TFF, 1027TR-TF/TQF/TFF	120
FatTwin™ Systems	
New! X10 Generation FatTwin™ Systems - Intel® Xeon® E5-2600 v3 (Haswell) product family support	
8-Node Front I/O: F618R2-FT, F618R2-FC0, SYS-F618R3-FTL, F618R3-FT	122
4-Node Front I/O: F628R3-FT, F628R3-FC0, F628R2-FC0	123
4-Node 16 DIMMs, Front I/O: F628R2-FT+, F628R2-FC0+, F628R2-FTPT+, F628R2-FCOPT+, F628R3-FC0+, F628R3-FCOPT+, F628R3-FT+, F628R3-FTPT+	124
8-Node Front I/O: F618R2-FT+, F618R2-FTPT+, F618R3-FT+, F618R3-FTPT+	125
Hadoop	126
8-Node Rear I/O: F618R2-RTN+, F618R2-RTPTN+, F618R2-RT+, F618R2-RTPT+	127
8-Node Rear I/O: F618R2-RC1+, F618R2-RC1PT+, F618R2-R72+, F618R2-R72PT+	128
4-Node Rear I/O: F628R3-RTB+, F628R3-RTBPT+, F628R3-RTBPTN+, F628R3-RTBN+, F628R3-RC0B+, F628R3-RC1B+, F628R3-RC0BPT+, F628R3-RC1BPT+, F628R3-R72B+, F628R3-R72BPT+	129
4-Node GPU/Xeon Phi™: F628G2-FT+, F628G2-FC0+, F628G2-FTPT+, F628G2-FCOPT+, F628G3-FT+, F628G3-FC0+, F628G3-FTPT+, F628G3-FCOPT+	130
X9 Generation FatTwin™ Systems	
8-Node Front I/O: F617R2-FT, F617R3-FT	131
4-Node Front I/O: F627R3-FT, F627R3-F73, F627R2-F73	132
8-Node Rear I/O: F617R2-RT+, F617R2-R72+	133
4-Node Rear I/O: F627R2-RTB+, F627R2-RT+	134
4-Node Rear I/O: F627R3-RTB+, F627R3-R72B+	135
8-Node 16 DIMMs, Front I/O: F617R2-FT+, F617R2-FTPT+, F617R2-F72+, F617R3-FT+, F617R3-FTPT+	136,137
4-Node 16 DIMMs, Front I/O: F627R2-FT+, F627R2-F72+, F627R2-F72PT+, F627R2-FTPT+, F627R3-FT+, F627R3-F72+, 627R3-F72PT+, F627R3-FTPT+	138,139
GPU FatTwin™: F647G2-F73+, F647G2-F73PT+, F647G2-FT+, F647G2-FTPT+, 627G2-FT+, F627G2-FTPT+, F627G2-F73+, F627G2-F73PT+, F627G3-FT+, F627G3-FTPT+, F627G3-F73+, F627G3-F73PT+	140-142
4-Node HADOOP, 14 HDDs: F617H6-FTL+, F617H6-FTPTL+, F617H6-FT+, F617H6-FTPT+, F517H6-FT (UP)53	143
4-Way MP Family	
2028U-RTR4	145
8048B-TR4F, 8048B-COR4FT, 8028B-TR3F, 8028B-COR3FT, 8048B-TR3F, 8048B-COR3FT, 8048B-TR4FT, 8048B-TR4FT, 8048B-TRFT, 4048B-TRFT	145-150
8027R-TRF+, 8027R-7RFT+, 8017R-TF+, 8017R-7TF+	151
8047R-7JRFT, 8047R-7RFT+, 8047R-TRF+, 4047R-7JRFT+	152
MicroBlade	
MBI-6218G-T41X, MBI-6118G-T41X, MBI-6128R-T2/T2X, MBI-6118D-T2/T4/T2H/T4H, (MBI-6418A-T7H/T5H),	156-159
MBM-GEM-001/003i/003S, MBM-XEM-001	160
MicroCloud	
New! X11 Generation MicroCloud - Intel Xeon E3-1200 v5 (Skylake) product family support	
5039MS-H12TRF, 5039MS-H8TRF	162
5038MR-H8TRF, 5038MA-H24TRF, 5038ML-H24TRF, 5038ML-H12TRF, 5038ML-H8TRF (-OEM), 5037MR-H8TRF	163-164
SuperWorkstation®	
New! X11 Generation Workstation - Intel 6th Generation Core i7/i5/i3 product family support	
5039A-iL	166
X10 Generation Workstations - Intel® Xeon® E5-2600 v3 (Haswell) product family support	
New! 7038A-i, 7048A-T, 7048GR-TR	166-167
X9 Generation Workstations	
7047GR-TRF, 7047GR-TPRF, 7047GR-TPRF, 7047A-73, 7047A-T, 7047AX-72RF, 7047AX-TRF, 7038A-i, 5038A-iL, 5038AD-T, 7037A-i, 7037A-iL, 5037A-i, 5037A-iL	167-172

Accessories

Accessories	173-185
SuperServer® Product Naming Guide	186
Mission Critical SuperServer® Solutions- The Supermicro Advantage	187



Future Intel® Xeon® Processor E5-2600 v4 Product Family (Broadwell) Supported







X10 Haswell Solutions

Supports up to 36 Cores per Server • Performance Gains up to 86% • Power Savings up to 30%

• DDR4 up to 1.5TB and 2133MHz • SAS 3.0 (12Gbps) • NVMe

• Quad 10GBase-T • 10G SFP+ • FDR (56Gbps) InfiniBand

Rackmount

Ultra	Storage	Datacenter Optimized
<p><i>Up to 24 NVMe, 1.5TB DDR4 Titanium Level Power</i></p>  <p>2028U-TN24RT+ / 6028U-E1CNR(4T/T)+ / 2028U-E1CNR(4T/T)+ / 1028U-TN10RT+ / 1028U-TNRT+/TNR4T+/TNRTP+ 1028U-TR4+/TRT+/TR4T+ 6018U-TR4+/TRT+/TR4T+/TRTP+ 2028U-TR4+/TRT+/TR4T+/TRTP+/TNRT+/TNRT+ 6028U-TR4+/TRT+/TR4T+/TRTP+/TNR4T+/TNRT+</p>	<p><i>Large Memory / Quad LAN / 10GbE / Up to 24 DIMMs / SAS3 / Up to 7 PCI-E Slots</i></p>  <p>2028R-NR48N 2028R-E1CR48N/L / 6048R-E1CR60N/L K1048-RT / 2028R-E1CR24(N)(H)(L) 6028R-E1CR12(N)(H)(L) / 6038R-E1CR16(N)(H)(L) 6048R-E1CR24(N)(H)(L) / 2028R-E1CR36(N)(H)(L) 5028R-E1CR12L (UP) / 5048R-E1CR36L (UP) and many more...</p>	<p><i>Cost-Optimized / 16 DIMMs / NVMe / 10GBase-T</i></p>  <p>6018R-MD(R) / 6018R-TD(TP)(R) 6018R-TD8 / 6028R-TDWNR 1028R-TDW / 6018R-TDW</p>
Application Optimized	WIO	GPU/Xeon Phi™
<p><i>Compact / Cost-Effective / 10GBase-T / SAS3 / 7 PCI-E Slots / Feature Rich</i></p>  <p>1028R-MCT(R) / 6018R-MT(R) / 1028R-MCT(R) 2028R-C1R(T) / 2028R-C1R(T)4+ / 6028R-T(T) 6028R-TR(T) / 7048R-C1R(T) / 7048R-C1R(T)4+ 5018R-M(R) (UP)</p>	<p><i>Resource-Optimized / Feature Rich / Cost-Effective / UP WIO</i></p>  <p>1028R-WMR(T) / 1028R-WTNR(T) 1028R-WC1R(T) / 1028R-WTR(T) 5028R-WR (UP) / 6028R-WTR(T) 6018R-WTR(T) / 1018R-WCOR (UP)</p>	<p><i>Up to 8 GPU/Xeon Phi Cards Supported</i></p>  <p>1028GQ-TR(T) / 4028GR-TR(T) 1028GR-TR(T) / 2028GR-TR(T) 2028GR-TRH(T) / 7048GR-TR 1018GR-T (UP) / 5018GR-T (UP)</p>

Haswell Serverboard Solutions



The Supermicro New Generation X10 Haswell rackmount SuperServer® systems provide the highest levels of performance, efficiency, scalability, and flexibility. They are available in a wide variety of application targeted designs including Twin, GPU/Xeon Phi™, Data Center Optimized, Resource Optimized, Mainstream Application Optimized, WIO, SuperWorkstation, and SuperStorage.

The Supermicro New Generation X10 Haswell rackmount SuperServer® systems offer up to: 1.5TB of ECC LRDIMM DDR4-2133MHz memory in 24 DIMMs, PCI-E 3.0, SAS 3.0 (12Gbps) and SATA 3.0 (6Gbps) HDD support, NVMe SSD support, ConnectX FDR (56Gbps)/ QDR InfiniBand, quad 10GBase-T, 10G SFP+, quad Gigabit Ethernet, Titanium/Platinum Level power supplies, IPMI 2.0, and support for the latest Intel® Xeon® processor E5-2600/E5-1600 v3 product families with up to 36 cores per node and 160W TDP for best performance. These systems are supported by a wide variety of Supermicro compatible chassis in 1U, 2U, 3U/Mid-Tower, and 4U/Tower form factors. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Using these Supermicro New Generation X10 Haswell SuperServer® systems and compatible Supermicro chassis, customers can select the optimized solutions for their Data Center, Enterprise, Cloud Computing, and HPC environments to best fit their requirements.



New!
1U Ultra
10 NVMe, 2.5" Drives



New!
1U Ultra
10 SAS3 Drive Bays, Expander



New!
1U Ultra
10 SAS3 Drive Bays, Expander



MODEL	SuperServer® SYS-1028U-TN10RT+	SuperServer® SYS-1028U-E1CR4+	SuperServer® SYS-1028U-E1CRTP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> 10 NVMe SSDs Support 160W CPU support 24 DIMM slots 3 PCI-E Add-on cards 1000W Titanium Level Power Supply 2 SATA DOMs Support with Embedded Power 	<ul style="list-style-type: none"> Flexible LAN options Expander Backplane 24 DIMM slots 4 PCI-E Add-on cards 10x 2.5" SAS/SATA drive bays 160W CPU support Platinum Level Power Supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> 2 port 10G SFP+ and 2 port IGBase-T connectivity Expander Backplane 24 DIMM slots 4 PCI-E Add-on cards 10x 2.5" SAS/SATA drive bays 160W CPU support Platinum Level Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER® X10DRU-i+	SUPER® X10DRU-i+	SUPER® X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	3 PCI-E 3.0 x 8 (2 FH, 10.5"L, LP)	2 PCI-E 3.0 x 16 (FH, 10.5"L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)	2 PCI-E 3.0 x 16 (FH, 10.5"L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	One of the following storage Add-on cards required: AOC-S3108-H8iR-16DD (SAS3 HW RAID 16HDD) AOC-S3108-H8iR (SAS3 HW RAID) AOC-S3008L-L8i (SAS3 SW RAID) AOC-S3008L-L8e (SAS3 HBA)	One of the following storage Add-on cards required: AOC-S3108-H8iR-16DD (SAS3 HW RAID 16HDD) AOC-S3108-H8iR (SAS3 HW RAID) AOC-S3008L-L8i (SAS3 SW RAID) AOC-S3008L-L8e (SAS3 HBA)
Connectivity	2 10Gbase-T Ethernet 5 USB 3.0 ports (2 Rear, 2 Front, 1 Type A) 1 Serial Port	4 Gigabit Ethernet; 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port	2 10G SFP+; 2 Gigabit Ethernet; 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	10 Hot-Swappable 2.5" NVMe SSD Drive bays Support and 4 NVMe/SAS3/SATA3 Hybrid Ports (SATA3/SAS3 optional)	10 hot-swap 2.5" drive bays support via Expander	10 hot-swap 2.5" drive bays support via Expander
Peripheral Bays	N/A	N/A	N/A
Power Supply	1000W Titanium Level Power Supply	750W Platinum Level Power Supply	750W Platinum Level Power Supply
Cooling System	8 Heavy Duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	1U Rackmount 437 x 43 x 706.8mm (17.2" x 1.7" x 27.82")	1U Rackmount 437 x 43 x 707mm (17.2" x 1.7" x 27.82")	1U Rackmount 437 x 43 x 707mm (17.2" x 1.7" x 27.82")

* Please check with your Supermicro sales representative for compatibility



1U Ultra
2 NVMe, 1.5TB DDR4

1U Ultra
1.5TB DDR4



MODEL	SuperServer® SYS-1028U-TNR4T+ SYS-1028U-TNRT+ SYS-1028U-TNRTP+	SuperServer® SYS-1028U-TR4+ SYS-1028U-TRT+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> Flexible LAN options Redundant power supplies 24 DIMM slots 4 PCI-E Add-on cards 2 NVMe/SATA3 hybrid ports Optional 8 SAS3 ports via AOC 160W CPU support Platinum Level Power Supply 2 SATADOM 	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 4 PCI-E Add-on cards SAS3 support 160W CPU support Platinum Level Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER X10DRU-i+	SUPER X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	2 PCI-E 3.0 x 16 (FH, 10.5" L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)	2 PCI-E 3.0 x 16 (FH, 10.5" L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	-TNRT4+: 4 10GBase-T ports; -TNRT+: 2 10Gbase-T Ethernet -TNRTP+: 2 10G SFP+ ports 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port	-TR4+: 4 GbE ports; -TRT+: 2 10Gbase-T ports; 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	10 hot-swap 2.5" drive bays support: Default 8 SATA3 ports and 2 NVMe/SATA3 hybrid ports	10 hot-swap 2.5" drive bays support Default 10 SATA3 ports, Optional 8 SAS3 ports
Peripheral Bays	N/A	N/A
Power Supply	750W Platinum Level Power Supply	750W Platinum Level Power Supply
Cooling System	5 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	1U Rackmount 437 x 43 x 706.8mm (17.2" x 1.7" x 27.82")	1U Rackmount 437 x 43 x 706.8mm (17.2" x 1.7" x 27.82")

* Please check with your Supermicro sales representative for compatibility

**1U Ultra
1.5TB DDR4****1U Ultra
1.5TB DDR4****1U Ultra
1.5TB DDR4**

MODEL	SuperServer® SYS-1028U-TR4+	SuperServer® SYS-6018U-TR4+ SYS-6018U-TRT+	SuperServer® SYS-6018U-TR4T+ SYS-6018U-TRTP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 4 PCI-E Add-on cards SAS3 support 160W CPU support Platinum Level Power Supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 4 PCI-E Add-on cards SAS3 support 160W CPU support Platinum Level Power Supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 4 PCI-E Add-on cards SAS3 support 160W CPU support Platinum Level Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER● X10DRU-i+	SUPER● X10DRU-i+	SUPER● X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	2 PCI-E 3.0 x 16 (FH, 10.5"L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)	2 PCI-E 3.0 x 16 (FH, 10.5"L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)	2 PCI-E 3.0 x 16 (FH, 10.5"L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	4 10Gbase-T ports; 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port	-TR4+: 4 GbE ports; -TRT+: 2 10Gbase-T ports; 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port	-TR4T+: 4 10Gbase-T ports; -TRTP+: 2 10G SFP+ ports 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	10 hot-swap 2.5" drive bays support Default 10 SATA3 ports, Optional 8 SAS3 ports	4 hot-swap 3.5" drive bays support	4 hot-swap 3.5" drive bays support
Peripheral Bays	N/A	Optional 1 slim DVD-ROM drive	Optional 1 slim DVD-ROM drive
Power Supply	750W Platinum Level Power Supply	750W Platinum Level Power Supply	750W Platinum Level Power Supply
Cooling System	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	1U Rackmount 437 x 43 x 706.8mm (17.2" x 1.7" x 27.82")	1U Rackmount 437 x 43 x 737.1mm (17.2" x 1.7" x 29.02")	1U Rackmount 437 x 43 x 737.1mm (17.2" x 1.7" x 29.02")

* Please check with your Supermicro sales representative for compatibility

New!
2U Ultra
24 NVMe, 2.5" Drives, Expander

New!
2U Ultra
2.5" Drives, NVMe, Expander



MODEL	SuperServer® SYS-2028U-TN24RT+	SuperServer® SYS-2028U-E1CNRT+ SYS-2028U-E1CNR4T+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server All Flash Storage 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server Hyperconverge Storage Database Processing & Storage
Outstanding Features	<ul style="list-style-type: none"> 24-port NVMe SSD Support 26x 2.5" hot-swap drive bays 24 DIMM sockets 160W CPU support Titanium Level Power Supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> 24 DIMM slots 24x 2.5" hot-swap drive bays 4-port NVMe SSD Support 160W CPU support Titanium Level power supply 2 SATA DOM support with embedded power
Serverboard	SUPER® X10DRU-i+	SUPER® X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 (2 FH, 10.5"L) 1 PCI-E 3.0 x8 (LP)	-E1CNRT+: 7 PCI-E 3.0 x8 (5 FH, 10.5"L, 1 Internal LP) -E1CNR4T+: 6 PCI-E 3.0 x8 (4 FH, 10.5"L, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	One of the following storage Add-on cards required: AOC-S3108-H8iR-16DD (SAS3 HW RAID 16HDD) AOC-S3108-H8iR (SAS3 HW RAID) AOC-S3008L-L8i (SAS3 SW RAID) AOC-S3008L-L8e (SAS3 HBA)
Connectivity	2 10Gbase-T Ethernet; 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port	-E1CNRT+: 2 10Gbase-T ports; -E1CNR4T+: 4 10Gbase-T ports
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	26 hot-swap 2.5" drive bays support; 20 NVMe ports (12 NVMe from CPU1, 8 NVMe from CPU2) 4 NVMe/SAS3 hybrid ports (4 NVMe from CPU2, SAS3 support with optional storage controller card)	24x hot-swap 2.5" drive bays support; 4 NVMe SAS3 hybrid ports 20 SAS3 drive ports
Peripheral Bays	N/A	N/A
Power Supply	1600W Titanium Level (96%+)Power Supply	Redundant 1000W Titanium Level (96%+)Power Supply
Cooling System	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	2U Rackmount 437 x 89 x 705.3mm (17.2" x 3.5" x 27.76")	2U Rackmount 437 x 89 x 705.3mm (17.2" x 3.5" x 27.76")

* Please check with your Supermicro sales representative for compatibility



New!

2U Ultra

3.5" Drives, NVMe, Expander



2U Ultra

NVMe, Titanium Level Power



2U Ultra

NVMe, Titanium Level Power



MODEL	SuperServer® SYS-6028U-E1CNR4T+ SYS-6028U-E1CNR4T+	SuperServer® SYS-2028U-TNRT+ SYS-2028U-TNR4T+	SuperServer® SYS-6028U-TNRT+ SYS-6028U-TNR4T+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> 24 DIMM slots 12x 3.5" hot-swap drive bays 4-port NVMe SSD Support 160W CPU support Titanium Level power supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> 24 DIMM slots 24x 2.5" hot-swap drive bays 4-port NVMe SSD Support 160W CPU support Titanium Level Power Supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 12x 3.5" hot-swap drive bays 4-port NVMe SSD Support 160W CPU support Titanium Level Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER® X10DRU-i+	SUPER® X10DRU-i+	SUPER® X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	-E1CNR4T+ : 7 PCI-E 3.0 x8 (5 FH, 10.5"L, 1 LP, 1 Internal LP) -E1CNR4T+ : 6 PCI-E 3.0 x8 (4 FH, 10.5"L, 1 LP, 1 Internal LP)	-TNRT+ : 7 PCI-E 3.0 x8 (5 FH, 10.5"L, 1 LP, 1 Internal LP) -TNR4T+ : 6 PCI-E 3.0 x 8 (4 FH, 10.5"L, 1 LP, 1 Internal LP)	TNRT+ : 7 PCI-E 3.0 x8 (5 FH, 10.5"L, 1 LP, 1 Internal LP) TNR4T+ : 6 PCI-E 3.0 x8 (4 FH, 10.5"L, 1 LP, 1 Internal LP)
Onboard Storage Controller	One of the following storage Add-on cards required: AOC-S3108-H8iR-16DD (SAS3 HW RAID 16HDD) AOC-S3108-H8iR (SAS3 HW RAID) AOC-S3008L-L8i (SAS3 SW RAID) AOC-S3008L-L8e (SAS3 HBA)	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-E1CNR4T+ : 2 10Gbase-T ports; -E1CNR4T+ : 4 10Gbase-T ports	-TNRT+ : 2 10Gbase-T ports; -TNR4T+ : 4 10Gbase-T ports; 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port	-TNRT+ : 2 10Gbase-T Ethernet -TNR4T+ : 4 10Gbase-T Ethernet 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	12x hot-swap 3.5" drive bays support; 4 NVMe SAS3 hybrid ports 8 SAS3 drive ports	24 hot-swap 2.5" drive support; 8 SATA3 + 4 NVMe ; Optional 24 SAS3 drive support via AOCs	12 hot-swap 3.5" drive bays support; 8 SATA3 + 4 NVMe ; Optional 12 SAS3 drive support via AOCs
Peripheral Bays	N/A	N/A	N/A
Power Supply	1000W Titanium Level (96%+) Power Supply	1000W Titanium Level (96%+) Power Supply	1000W Titanium Level (96%+) Power Supply
Cooling System	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	2U Rackmount 437 x 89 x 723.3mm (17.2" x 3.5" x 28.46")	2U Rackmount 437 x 89 x 705.3mm (17.2" x 3.5" x 27.76")	2U Rackmount 437 x 89 x 723.3mm (17.2" x 3.5" x 28.46")

* Please check with your Supermicro sales representative for compatibility



2U Ultra

1.5TB DDR4, Titanium Level Power



2U Ultra

1.5TB DDR4, Titanium Level Power



MODEL	SuperServer® SYS-2028U-TR4+ SYS-2028U-TRT+ SYS-2028U-TR4T+ SYS-2028U-TRTP+	SuperServer® SYS-6028U-TR4+ SYS-6028U-TRT+ SYS-6028U-TR4T+ SYS-6028U-TRTP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server 	<ul style="list-style-type: none"> Virtualization Cloud Computing High End Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 8 PCI-E Add-on cards 24x 2.5" SAS3 hot-swap drive bays supported 160W CPU support 1000W Titanium Level (96%+) Power Supply 2 SATA DOM support with embedded power 	<ul style="list-style-type: none"> Flexible LAN options 24 DIMM slots 8 PCI-E Add-on cards 24x 2.5" SAS3 hot-swap drive bays supported 160W CPU support 1000W Titanium Level (96%+) Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER● X10DRU-i+	SUPER● X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	1 PCI-E 3.0 x 16 (FH, 10.5"L); -TR4+/TRT+/TRTP+: 7 PCI-E 3.0 x 8 (5 FH, 10.5"L, 1 LP, 1 Internal LP) -TR4T+: 6 PCI-E 3.0 x 8 (4 FH, 10.5"L, 1 LP, 1 Internal LP)	1 PCI-E 3.0 x 16 (FH, 10.5"L); -TR4+/TRT+/TRTP+: 7 PCI-E 3.0 x 8 (5 FH, 10.5"L, 1 LP, 1 Internal LP) -TR4T+: 6 PCI-E 3.0 x 8 (4 FH, 10.5"L, 1 LP, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-TR4+: 4 GbE ports; -TRT+: 2 10Gbase-T ports; -TR4T+: 4 10Gbase-T ports; -TRTP+: 2 10G SFP+ ports 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port	-TR4+: 4 GbE ports; -TRT+: 2 10Gbase-T ports; -TR4T+: 4 10Gbase-T ports; -TRTP+: 2 10G SFP+ ports 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24 hot-swap 2.5" drive bays support; Default 10 SATA3 ports, Optional 24 SAS3 ports via AOCs	12 hot-swap 3.5" drive bays support; Default 10 SATA3 ports, Optional 12 SAS3 ports via AOCs
Peripheral Bays	N/A	N/A
Power Supply	1000W Titanium Level (96%+) Power Supply	1000W Titanium Level (96%+) Power Supply
Cooling System	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	2U Rackmount 437 x 89 x 705.3mm (17.2" x 3.5" x 27.76")	2U Rackmount 437 x 89 x 723.3mm (17.2" x 3.5" x 28.46")

* Please check with your Supermicro sales representative for compatibility



New!

IU 4-GPU/Xeon Phi™



IU 3-GPU/Xeon Phi™



MODEL	SuperServer® SYS-1028GQ-TR SYS-1028GQ-TRT	SuperServer® SYS-1028GR-TR SYS-1028GR-TRT
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes 2D/3D and CAD Applications High-performance computing Oil & Gas Cloud and Virtualization needs Astrophysics 	<ul style="list-style-type: none"> 2D/3D and CAD Applications 3D Rendering Astrophysics Chemistry Cloud and Virtualization needs Cloud Computing Financial Analysis High-performance computing Oil & Gas
Outstanding Features	<ul style="list-style-type: none"> Up to 4 double width GPU cards in 1U Supports 16 DIMM DDR4-2133MHz 2000W Redundant Platinum Level high-efficiency power supplies 4x 2.5" SATA drives IPMI 2.0 + KVM with dedicated LAN GPU health monitoring with fan speed control 	<ul style="list-style-type: none"> Supports 16 DIMM DDR4-2133MHz 4x 2.5" SATA drives GPU health monitoring with fan speed control Up to 3 GPU cards in 1U
Serverboard	SUPER● X10DGQ	-TR: SUPER● X10DRG-H -TRT: SUPER● X10DRG-HT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 slots (4x GPU/Xeon Phi™ opt.) 2 PCI-E 3.0 x8 (in x16) low profile slot	3 PCI-E 3.0 x16 slots (3x GPU/Xeon Phi™ opt.) 1 PCI-E 3.0 x8 (in x16) low profile slot
Onboard Storage Controller	Intel® C612 controller for 4 SATA3 (6Gbps) Ports; RAID 0,1,5,10	Intel® C612 controller for 4 SATA3 (6Gbps) Ports; RAID 0,1,5,10
Connectivity	-TR: Dual LAN with Intel® i350 Gigabit Ethernet controller -TRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-TR: Dual LAN with Intel® i350 Gigabit Ethernet controller -TRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	2x 2.5" hot-swap SATA drive bays; 2x 2.5" internal HDDs	4x 2.5" hot-swap SAS/SATA drive bays
Peripheral Bays	N/A	N/A
Power Supply	Redundant 2000W Titanium Level high-efficiency power supplies	Redundant 1600W Platinum Level high-efficiency power supplies
Cooling System	9x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 894mm (17.2" x 1.7" x 35.2")	1U Rackmount 437 x 43 x 777mm (17.2" x 1.7" x 30.6")

* Please check with your Supermicro sales representative for compatibility

New!
Data Center Optimized

New!
Data Center Optimized



MODEL	SuperServer® SYS-6018R-MD (shown) SYS-6018R-MDR	SuperServer® SYS-6018R-TD
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> • Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Simulation & Automation 	<ul style="list-style-type: none"> • Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Database Processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • 500W Platinum Level high-efficiency power supply; or Redundant 400W Gold Level high-efficiency power supplies • IPMI 2.0 + KVM with Dedicated LAN • Cost Effective 	<ul style="list-style-type: none"> • 480W Platinum Level high-efficiency power supply • IPMI 2.0 + KVM with Dedicated LAN • Cost Effective
Serverboard	SUPER● X10DRD-L	SUPER● X10DRD-L
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8 (Full-Height, Half-Length)	1 PCI-E 3.0 x8 (Full-Height, Half-Length)
Onboard Storage Controller	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1	Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	-MD: 2x 2.5" or 1x 3.5" fixed SATA drive bays with bracket -MDR: 2x 2.5" fixed SATA drive bays with bracket	4x 3.5" hot-swap SATA HDD drive bays
Peripheral Bays	N/A	1 slim DVD-ROM drive (optional)
Power Supply	-MD: 500W Platinum Level high-efficiency power supply -MDR: Redundant 400W Gold Level high-efficiency power supplies	480W Platinum Level high-efficiency power supply
Cooling System	5x 4cm heavy duty counter-rotating fans with optimal fan speed control	2x blower + 1x 4cm fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 429mm (17.2" x 1.7" x 16.9")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative for compatibility



New!
Data Center Optimized
Onboard Dual SFP+



New!
Data Center Optimized



MODEL	SuperServer® SYS-6018R-TDTP SYS-6018R-TDTPR (shown)	SuperServer® SYS-6018R-TD8
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Data Center Cloud and Virtualization needs Hosting & Application delivery Database Processing & Storage Simulation & Automation 	<ul style="list-style-type: none"> Data Center Cloud and Virtualization needs Hosting & Application delivery Database Processing & Storage Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> 600W Platinum Level High-Efficiency Power Supply; or 500W Redundant Platinum Level IPMI 2.0 + KVM with Dedicated LAN 2x 10G SFP+ onboard 	<ul style="list-style-type: none"> 650W Platinum Level high-efficiency power supply IPMI 2.0 + KVM with Dedicated LAN 16 DIMM DDR4-2133MHz Up to 3 add-on cards 8x 3.5" & 2x 2.5" Fixed SATA Drives
Serverboard	SUPER® X10DRD-LTP	SUPER® X10DDW-i
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8 (Full-Height, Half-Length)	2 PCI-E 3.0 x16 (Full-Height, Half-Length) 1 PCI-E 3.0 (LP)
Onboard Storage Controller	Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® 82599ES 10 Gigabit Ethernet w/ SFP+	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA HDD drive bays	8x 3.5" & 2x 2.5" Fixed SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	N/A
Power Supply	-TDTP: 600W Platinum Level high-efficiency power supply -TDTPR: 500W Redundant Platinum Level high-efficiency power supplies	650W Platinum Level high-efficiency power supply
Cooling System	5x 4cm heavy duty counter-rotating fans with optimal fan speed control	6x 4cm heavy duty counter-rotating fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 813mm (17.2" x 1.7" x 32")

* Please check with your Supermicro sales representative for compatibility

New!
Data Center Optimized

New!
Data Center Optimized



MODEL	SuperServer® SYS-6018R-TDW	SuperServer® SYS-1028R-TDW
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> • Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Database Processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Database Processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • 600W Platinum Level high-efficiency power supply • IPMI 2.0 + KVM with Dedicated LAN • 16 DIMM DDR4-2133MHz • Up to 3 add-on cards 	<ul style="list-style-type: none"> • 600W Platinum Level high-efficiency power supply • IPMI 2.0 + KVM with Dedicated LAN • 16 DIMM DDR4-2133MHz • Up to 3 add-on cards
Serverboard	SUPERMICR® X10DDW-i	SUPERMICR® X10DDW-i
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 (Full-Height, Half-Length) 1 PCI-E 3.0 (LP)	2 PCI-E 3.0 x16 (Full-Height, Half-Length) 1 PCI-E 3.0 (LP)
Onboard Storage Controller	Intel® C612 controller for 4 SATA3 (6Gbps) Ports; RAID 0,1,5,10	Intel® C612 controller for 8 SATA3 (6Gbps) Ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA HDD drive bays	8x 2.5" hot-swap SATA HDD drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	600W Platinum Level high-efficiency power supply	600W Platinum Level high-efficiency power supply
Cooling System	5x 4cm heavy duty counter-rotating fans with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")

* Please check with your Supermicro sales representative for compatibility



New!
WIO, NVMe Optimized



New!
WIO, Short-Depth 16.9"
Compact



MODEL	SuperServer® SYS-1028R-WTNR SYS-1028R-WTNR-T	SuperServer® SYS-1028R-WMR SYS-1028R-WMRT
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s; up to 145W TDP
Key Applications	<ul style="list-style-type: none"> Enterprise Performance Native NVMes Cost-effective Storage optimized 8 SATA3 ports and 2 NVMe/SATA3 hybrid ports High-density, Enterprise Performance, Cost-effective 16 DIMM slots 	<ul style="list-style-type: none"> File/Print Server Application and data serving Clone of Server Clustering Business Critical Applications
Outstanding Features	<ul style="list-style-type: none"> 600W Platinum Level high-efficiency power supply IPMI 2.0 + KVM with Dedicated LAN 16 DIMM slots Up to 2 add-on cards 	<ul style="list-style-type: none"> Supports up to 2x AOCs Short-Depth 16.9"
Serverboard	-WTNR: SUPER● X10DRW-N -WTNR-T: SUPER● X10DRW-NT	-WMR: SUPER● X10DRW-E -WMRT: SUPER● X10DRW-ET
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 full-height, Half-length slots	2 PCI-E 3.0 x16 full-height, Half-length slots
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-WTNR: Dual LAN with Intel® Ethernet Controller i350-AM2 -WTNR-T: Dual LAN with Intel® X540 10GBase-T Ethernet Controller;	-WTNR: 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port -WTNR-T: Dual LAN with Intel® X540 10GBase-T Ethernet Controller;
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8 SATA3 ports and 2 NVMe /SATA3 hybrid ports	2x 2.5" fixed with bracket
Peripheral Bays	N/A	N/A
Power Supply	700W/750W redundant Platinum Level (PWS-706) or Gold Level (PWS-704) high-efficiency power supplies	400W Redundant Gold Level power supplies
Cooling System	5x 4cm heavy duty counter-rotating fans with optimal fan speed control	4x 40x56mm PWM fan; ; 2x fans for AOC cooling
Form Factor	1U Rackmount 437 x 43 x 630mm (17.2" x 1.7" x 24.8")	1U Rackmount 437 x 43 x 429mm (17.2" x 1.7" x 16.9")

* Please check with your Supermicro sales representative for compatibility

New!
W10 1U
12Gbps SAS 3.0 HW RAID
Optional NVMe

New!
W10 1U
10 SATA3 2.5"

New!
W10 1U



MODEL	SuperServer® SYS-1028R-WC1R(T)	SuperServer® SYS-1028R-WTR(T)	SuperServer® SYS-6018R-WTR(T)
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Disk Backup & Recovery Downloads e-Business Email Server Enterprise Server Web Server 	<ul style="list-style-type: none"> Hosting Cloud & Virtualization VDI Unified Communications 	<ul style="list-style-type: none"> Hosting Cloud & Virtualization VDI Unified Communications
Outstanding Features	<ul style="list-style-type: none"> 2 SATA DOM support with built-in power SAS 3.0 (12Gbps) support 16 DIMM slots Up to 2 add-on cards Redundant 700W/750W Platinum Level high efficiency power supplies Optional two 2.5" NVMe drives support 	<ul style="list-style-type: none"> 2 SATA DOM support with built-in power 16 DIMM slots Up to 2 add-on cards Redundant 700W/750W Platinum Level high efficiency power supplies 10x SATA3 ports 	<ul style="list-style-type: none"> 2 SATA DOM support with built-in power 2x 10GBase-T Ports Redundant 700W/750W Platinum Level high efficiency power supplies 16 DIMM slots Up to 2 add-on cards
Serverboard	-WC1R: SUPER® X10DRW-i -WC1RT: SUPER® X10DRW-iT	-WTR: SUPER® X10DRW-i -WTRT: SUPER® X10DRW-iT	-WTR: SUPER® X10DRW-i -WTRT: SUPER® X10DRW-iT
Chipset	Intel® C612 Chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 (FHHL)	2 PCI-E 3.0 x16 (FHHL) 1 PCI-E 3.0 x8 Mezzanine for HBA cards	2 PCI-E 3.0 x16 (FHHL) 1 PCI-E 3.0 x8 Mezzanine for HBA cards
Onboard Storage Controller	SAS3 Avago® 3108 (12Gbps) HW RAID controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60; 2GB DDR3 Cache; C612 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-WC1R: Dual LAN with Intel® i350 Gigabit Ethernet Controllers -WC1RT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-WTR: Dual LAN with Intel® i350 Gigabit Ethernet Controllers -WTRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-WTR: Dual LAN with Intel® i350 Gigabit Ethernet Controllers -WTRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap SAS/SATA + 2x 2.5" SATA/ NVMe drive bays	10x 2.5" hot-swap SAS/SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	N/A	N/A	1 slim DVD-ROM drive (optional)
Power Supply	Redundant 700W/750W Platinum Level high-efficiency power supplies with I²C & PMBus	Redundant 700W/750W Platinum Level high-efficiency power supplies with I²C & PMBus	Redundant 700W/750W Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative for compatibility



New!
Short Depth, DDR4,
8x DIMMs, SAS3



New!
Short Depth, DDR4,
8x DIMMs, SAS3
Redundant Power Supplies



MODEL	SuperServer® SYS-1028R-MCT	SuperServer® SYS-1028R-MCTR
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> • Data Center • Web Server • Enterprise Server • Managed Hosting 	<ul style="list-style-type: none"> • Data Center • Web Server • Enterprise Server • Managed Hosting
Outstanding Features	<ul style="list-style-type: none"> • IPMI 2.0 + KVM with dedicated LAN • 600W Platinum Level high-efficiency power supply • Short-Depth • 2x 10GBase-T Ports • Avago® 3108 controller for 8 SAS3 (12Gbps) hot-swappable drives 	<ul style="list-style-type: none"> • IPMI 2.0 + KVM with dedicated LAN • Redundant 600W Platinum Level high-efficiency power supplies • Short-Depth • 2x 10GBase-T Ports • Avago® 3108 controller for 8 SAS3 (12Gbps) hot-swappable drives
Serverboard	SUPER® X10DRL-CT	SUPER® X10DRL-CT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8
Onboard Storage Controller	Avago® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60; Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10	Avago® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60; Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® Ethernet Controller I210; Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® Ethernet Controller I210; Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap SATA/SAS drive bays	8x 2.5" hot-swap SATA/SAS drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	600W Platinum Level high-efficiency power supply	Redundant 600W Platinum Level high-efficiency power supplies
Cooling System	4x 4cm high performance PWM fans with optimal fan speed control	4x 4cm high performance PWM fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative for compatibility



*Short Depth
DDR4 8x DIMMs,*



*Short Depth
DDR4 8x DIMMs,
Redundant Power Supplies*



Mainstream UP



MODEL	SuperServer® SYS-6018R-MT	SuperServer® SYS-6018R-MTR	SuperServer® SYS-5019S-L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Intel® E3-1200 v5, Core i3 Gen 6, LGA1151 Socket H4
Key Applications	<ul style="list-style-type: none"> • Data Center • Web Server • Enterprise Server • Managed Hosting 	<ul style="list-style-type: none"> • Data Center • Web Server • Enterprise Server • Managed Hosting 	<ul style="list-style-type: none"> • Low Power, Low Cost Applications
Outstanding Features	<ul style="list-style-type: none"> • 480W Platinum Level high-efficiency power supply • IPMI 2.0 + KVM with dedicated LAN • Short-Depth 	<ul style="list-style-type: none"> • 400W Redundant Gold Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN • Short-Depth 	<ul style="list-style-type: none"> • Supports Low Power CPU • Compact Form Factor • Less than 12 inches depth • 1x PCI-E 3.0 x8 expansion slot • Up to 1x internal 3.5", 2x 2.5" drives (option)
Serverboard	SUPER® X10DRL-i	SUPER® X10DRL-i	SUPER® X11SSL-F
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C232 Express chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 4x ECC/non-ECC UDIMM slots, up to 64GB DDR4-2133MHz
Expansion Slots	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8	1x PCI-E 3.0 x8 expansion slot
Onboard Storage Controller	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C232 Express chipset
Connectivity	Dual Intel® i210 single port Gigabit Ethernet LAN	Dual Intel® i210 single port Gigabit Ethernet LAN	2x USB 2.0, USB 3.0, VGA, Serial
VGA/Audio	AST2400 VGA	AST2400 VGA	Integrated video from Aspeed BMC
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Built-in Aspeed BMC with IPMI 2.0, KVM, and more
Drive Bays	4x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SATA drive bays	Up to 1x internal 3.5", 2x 2.5" drives (option)
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	
Power Supply	480W Platinum Level high-efficiency power supply	Redundant 400W Gold Level high-efficiency power supplies	200W high-efficiency power supply
Cooling System	4x 4cm heavy duty counter-rotating fans with optimal fan speed control	4x 4cm heavy duty counter-rotating fans with optimal fan speed control	2x 4cm chassis internal fan
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U rackmount 437 x 43 x 287mm (17.2" x 1.7" x 11.3")

* Please check with your Supermicro sales representative for compatibility

*Mainstream UP**Mainstream UP**Mainstream UP*

MODEL	SuperServer® SYS-5019S-ML	SuperServer® SYS-5019S-M	SuperServer® SYS-5019S-MR
Processor Support	Intel® Xeon® processor E3-1200 v5 product family, Intel® 6th Generation Core™ i3 series, Intel® Celeron®, Intel® Pentium®, Socket H4 (LGA 1151) supported	Intel® Xeon® processor E3-1200 v5 product family, Intel® 6th Generation Core™ i3 series, Intel® Celeron®, Intel® Pentium®, Socket H4 (LGA 1151) supported	Intel® Xeon® processor E3-1200 v5 product family, Intel® 6th Generation Core™ i3 series, Intel® Celeron®, Intel® Pentium®, Socket H4 (LGA 1151) supported
Key Applications	<ul style="list-style-type: none"> Entry level, Cost effective 	<ul style="list-style-type: none"> High Flexibility, VM, Communication File/Print, Web Hosting 	<ul style="list-style-type: none"> HA, File/Print Server Web Hosting, VM
Outstanding Features	<ul style="list-style-type: none"> Support Intel VHD (with selected CPU) and NM M.2 mini-PCI-E connector: Support 2280 Compact, less than 15 inches depth Up to 2x internal 3.5", 3x 2.5" drives (option) 	<ul style="list-style-type: none"> M.2 mini-PCI-E support 2280 form factor Up to 4 hot-swap 3.5" drives Front USB 3.0 ports Quick Release Rails 1x PCI-E 3.0 x8 (x16) expansion slot SuperDOM support (SATA DOM support) 2x GbE port, 1x dedicated IPMI port 	<ul style="list-style-type: none"> Supermicro Battery Back Up (BBP®) option Support Intel VHD (with selected CPU) and NM Redundant 400W high-efficiency power Up to 4 hot-swap 3.5" drives Internal fixed drive options 2x GbE port, 1x dedicated IPMI port Front USB 3.0 ports Quick Release Rails
Serverboard	SUPER● X11SSH-F	SUPER● X11SSH-F	SUPER● X11SSH-F
Chipset	Intel® C236 Express chipset	Intel® C236 Express chipset	Intel® C236 Express chipset
System Memory (Max.)*	Up to 4x ECC UDIMM slots, up to 64GB DDR4-2133MHz	Up to 4x ECC UDIMM slots, up to 64GB DDR4-2133MHz	Up to 4x ECC UDIMM slots, up to 64GB DDR4-2133MHz
Expansion Slots	1x PCI-E 3.0 x8 add-on card slot	1x PCI-E 3.0 x8 (in x16)	1x PCI-E 3.0 x8 (in x16)
Onboard Storage Controller	Intel® C236 Express chipset	Intel® C236 Express chipset	Intel® C236 Express chipset
Connectivity	USB 3.0, 2x USB 2.0, VGA, Serial	2x USB 3.0 (front/rear), USB 2.0, VGA, Serial	2x USB 3.0 (front/rear), USB 2.0, VGA, Serial
VGA/Audio	Integrated VGA from Aspeed BMC	Integrated VGA from Aspeed BMC	Integrated video from Aspeed BMC
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Built-in Aspeed BMC with IPMI 2.0, KVM, and more
Drive Bays	Up to 2x internal 3.5"; 3x 2.5" drives (option)	4x 3.5" Hot-swap SATA3 bays w/ RAID	4x 3.5" Hot-swap SATA3 bays w/ RAID
Peripheral Bays	1x slim DVD-ROM drive bay	1x slim DVD-ROM drive bay	1x slim DVD-ROM drive bay
Power Supply	350W high-efficiency power supply	350W high-efficiency power supply	Redundant 400W high-efficiency power Supermicro Battery Back Up (BBP®) option
Cooling System	2x 4cm chassis internal fan	4x 4cm chassis internal fan	4x 4cm chassis internal fan
Form Factor	1U Rackmount 437 x 43 x 366mm (17.2" x 1.7" x 14.4")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative for compatibility



Mainstream UP



Mainstream UP



Embedded Security and Surveillance Appliance Server UP



MODEL	SuperServer® SYS-5019S-MN4	SuperServer® SYS-5019S-WR	SuperServer® SYS-5019S-M2
Processor Support	Intel® Xeon® processor E3-1200 v5 product family, Intel® 6th Generation Core™ i3 series, Intel® Celeron®, Intel® Pentium®, Socket H4 (LGA 1151) supported	Intel® Xeon® processor E3-1200 v5 product family, Intel® 6th Generation Core™ i3 series, Intel® Celeron®, Intel® Pentium®, Socket H4 (LGA 1151) supported	Intel® 6th Gen Core™ i7, i5, i3, Pentium®, Celeron® processor in LGA1151
Key Applications	<ul style="list-style-type: none"> General purpose, SMB, Web Hosting Domain Controller, File/Print Front USB 3.0 ports Quick Release Rails 	<ul style="list-style-type: none"> HA, High flexibility, VM, Communication 	<ul style="list-style-type: none"> Security and Surveillance Appliance Server Secure Storage
Outstanding Features	<ul style="list-style-type: none"> M.2 mini-PCI-E support 2280 Support Intel VHD (with selected CPU) and NM SATA DOM support 	<ul style="list-style-type: none"> 2x PCI-E 3.0 x8, 1x PCI-E 3.0 x4 (x8) add-on card slot M.2 mini-PCI-e connector (PCI-e 3.0 x2) 2x PCI-E 3.0 x8 (or 1x16) and 1 x8 (x4 signal) add-on card slots 1+1 Redundant 500W high-efficiency power Up to 4 hot-swap 3.5" drives 	<ul style="list-style-type: none"> Supports 6th Gen Core i7, i5, i3 in 1U 2x DP, DVI-I, total 3x independent display 4x 3.5" SATA3 (SAS3 option) hot-swap drive bays Intel vPro™ and AMT 2x Gigabit LAN with AMT 1x PCI Express 3.0 x16 FH, FL slot 7 year life cycle
Serverboard	SUPER● X11SSH-LN4F	SUPER● X11SSW-F	SUPER● X11SSZ-QF
Chipset	Intel® C236 Express chipset	Intel® C236 Express chipset	Intel® Q170 chipset
System Memory (Max.)*	Up to 4x ECC UDIMM slots, up to 64GB DDR4-2133MHz	Up to 4x ECC UDIMM slots, up to 64GB DDR4-2133MHz	Up to 4 DIMMs, 64 GB of 2133MHz DDR4 UDIMM NON-ECC
Expansion Slots	1x PCI-E 3.0 x8 (in x16)	2x PCI-E 3.0 x8 1x PCI-E 3.0 x4 (x8) add-on card slot	1x PCI Express 3.0 x16 FH, FL slot
Onboard Storage Controller	Intel® C236 Express chipset	Intel® C236 Express chipset	Intel® Q170 chipset
Connectivity	Quad LAN with Intel® Ethernet Controller i210-AT; 2x USB 3.0 (front/rear), USB 2.0, VGA, Serial	USB 2.0, USB 3.0, VGA, Serial	4x USB 3.0 (2x rear), 9x USB 2.0 (2x rear) 1x USB 2.0 Type A 2x Serial header 1x SuperDOM (shared) Audio header
VGA/Audio	Integrated video from Aspeed BMC	Integrated VGA from Aspeed BMC	Built-in from BMC ALC 888S HD Audio
Management	Built-in Aspeed BMC with IPMI 2.0, KVM, and more	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Integrated BMC with IPMI 2.0, KVM
Drive Bays	4x 3.5" Hot-swap SATA3 bays w/ RAID	Up to 4 hot-swap 3.5" drives	4x 3.5" SATA3 (SAS3 option) hot-swap drive bays, Intel RST
Peripheral Bays	1x slim DVD-ROM drive bay	N/A	1x slim DVD-ROM drive bay
Power Supply	350W high-efficiency power supply	Redundant 500W high-efficiency power supply	350W high-efficiency power supply
Cooling System	4x 4cm chassis internal fan	4x 4cm chassis internal fan	4x 4cm internal fans
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U rackmount 437 x 43 x 594mm (17.2" x 1.7" x 23.4")

* Please check with your Supermicro sales representative for compatibility



New!
Embedded, vPro
3 Independent Displays



New!
Embedded, vPro
3 Independent Displays



New!
Tower Server, 24/7 Operation,
Unparalleled Reliability



MODEL	SuperServer® SYS-1019S-M2	SuperServer® SYS-5029S-TN2	SuperServer® SYS-5039D-I
Processor Support	Intel® 6th Generation Core™ i7/i5/i3 series, Intel® Celeron® Intel® Pentium®, LGA1151 Socket H4 supported	Intel® 6th Generation Core™ i7/i5/i3 series, Intel® Celeron® Intel® Pentium®, LGA1151 Socket H4	Intel® 6th Generation Core™ i3 series; Intel® Xeon® processor E3-1200 V5 series
Key Applications	<ul style="list-style-type: none"> Industrial Automation & Control Military Compact Server VOIP and Network Appliance Medical Applications 	<ul style="list-style-type: none"> Database Processing & Storage High Performance NAS Servers Security Appliance and Video Surveillance Web Server for Small and Medium Business 	<ul style="list-style-type: none"> Application and data serving CAD/CAM/CAE Medical Applications Oil & Gas SOHO Entry-Level Server
Outstanding Features	<ul style="list-style-type: none"> Remote management via IPMI or vPro 2x Gigabit LAN ports, HDMI/DP/DVI-I, 3 independent displays Full Height and Full Length add on card support Power redundancy or BBP support Embedded long life 	<ul style="list-style-type: none"> Up to 4 Hot-Swap 3.5" SATA3 HDD, 1 internal 2.5" fixed HDD and 1 M.2 (Mkey 2242/80 PCI-E 3.0 x4) Remote management via vPro technology 2x Gigabit LAN ports DP, HDMI and DVI-I: 3 independent displays Embedded long life Quiet Operation 	<ul style="list-style-type: none"> Cost effective & Tool-less design Cost effective UP platform Cost optimized
Serverboard	SUPER● X11SSZ-QF	SUPER● X11SSV-Q	SUPER● X11SSL-F
Chipset	Intel® Q170	Intel® Q170	Intel® C232 chipset
System Memory (Max.)*	Up to 64GB Unbuffer, DDR4-2133MHz in 4 DIMM slots	Up to 32GB Unbuffered non-ECC SO-DIMM, DDR4-2133MHz, in 2 DIMM slots	Up to 64GB Unbuffered ECC, DDR4-2133MHz in 4 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 (in x16 slot)	1 x PCI-E 3.0 x16 slot (Low profile) 1 x M.2 (Mkey 2242/80 PCI-E 3.0 x4) 1 x Mini-PCI-E with mSATA support	1 PCI-E 3.0 x8 (in x16 slot); 1 PCI-E 3.0 x8; 1 PCI-E 3.0 x4 (in x8 slot)
Onboard Storage Controller	Intel® Q170 Express controller for 2 SATA3 (6 Gbps) ports; RAID 0,1	Intel® Q170 Express controller for 5 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C232 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	4x USB 3.0, 1x USB 2.0 Type A TPM 1.2 onboard Header	4x USB 3.0, 2x USB 2.0 front, 1x USB 2.0 Type A 2x Serial Port, TPM 1.2 onboard Header	Dual LAN with Intel® Ethernet Controller I210-AT
VGA/Audio	1 HDMI, 1 DP (DisplayPort), 1 DVI-I, 1 VGA, Intel® HD Graphics 1 BMC integrated Matrox G200; ALC 888S HD Audio	1 HDMI, 1 DP (Display Port), 1 DVI-D, Intel® HD Graphics, 3 Independent Displays	1 VGA, 1 Aspeed AST2400 BMC
Management	AMT; IPMI 2.0; KVM with dedicated LAN; NMI; SuperDoctor® 5; vPro; Watchdog	AMT; vPro; SuperDoctor® 5	IPMI2.0; NMI; SPM; SSM; SUM; SuperDoctor® 5; Watchdog
Drive Bays	2x 2.5" fixed with bracket	4x 3.5" hot-swap SAS/SATA 2x 2.5" fixed drive bay	4x 3.5" fixed drive bays
Peripheral Bays	N/A	1x slim DVD-ROM drive bays	2x 5.25" drive bays
Power Supply	1x PWS-407P-1R, Platinum Level and support 2nd redundant PSU PWS-407P-1R or battery backup unit PWS-206B-1R (optional)	250W Bronze Level Power Supply	300W high-efficiency power supply
Cooling System	4x 40x56mm PWM fan; 2x fans for AOC cooling (optional)	1x 12cm rear exhaust fan, SNK-P0046A4 (optional)	1x 9cm (2050 RPM) rear exhaust fan
Form Factor	1U Rackmount 437 x 43 x 429mm (17.2" x 1.7" x 16.9")	Mini-Tower 210 x 240 x 280mm (8.27" x 9.45" x 11")	Mid-Tower 362 x 184 x 425mm (14.25" x 7.25" x 16.75")

* Please check with your Supermicro sales representative for compatibility



UP GPU/Xeon Phi™

UP GPU/Xeon Phi™

*UP W10
Flexible I/O
Storage Array*



MODEL	SuperServer® SYS-1018GR-T	SuperServer® SYS-5018GR-T	SuperServer® SYS-1018R-WC0R
Processor Support	Single Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Single Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Single Intel® Xeon® Processor E5-2600/1600 v3 and product family
Key Applications	<ul style="list-style-type: none"> Oil and gas HPC cluster computer nodes 	<ul style="list-style-type: none"> Oil and gas HPC cluster computer nodes 	<ul style="list-style-type: none"> DataCenter Applications Security Server Appliance Video Server Virtualization Server Web Server
Outstanding Features	<ul style="list-style-type: none"> 1400W Platinum Level Digital Power Supply 6x 2.5" SATA drives Cost effective UP platform GPU health monitoring with fan speed control IPMI 2.0 + KVM with dedicated LAN UID LED 	<ul style="list-style-type: none"> 1400W Platinum Level Digital power supply 3x 3.5" SAS/SATA drive bays Cost effective UP platform GPU health monitoring with fan speed control IPMI 2.0 + KVM with dedicated LAN UID LED 	<ul style="list-style-type: none"> 8x SATA3 (SAS3 option) + 2x SATA3 2.5" hot-swap drive bays 2 PCI-E 3.0 x16 slots; 1 PCI-E 3.0 x8 slot Redundant 750W 1+1 power supplies 2 Gigabit Ethernet Ports Up to 3 add-on cards
Serverboard	SUPER● X10SRG-F	SUPER● X10SRG-F	SUPER● X10SRW-F
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 512GB ECC, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 512GB ECC, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8	2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8	2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 (Total 3 add-on card slots)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual LAN with Intel® i350 Gigabit Ethernet Controller	2x GbE port, 2x USB 2.0, USB 3.0, VGA, Serial
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	6x 2.5" hot-swap SAS/SATA drive bay	3x 3.5" hot-swap SAS/SATA	8x SATA3 (SAS3 option) + 2x SATA3 hot-swap drive bays (w/ RAID option)
Peripheral Bays	N/A	N/A	N/A
Power Supply	1400W Platinum Level Digital high-efficiency power supply with I°C & PMBus	1400W Platinum Level Digital high-efficiency power supply with I°C & PMBus	Redundant 750W Platinum Level high-efficiency power supplies
Cooling System	8x 4cm heavy duty counter-rotating fans with air shroud & optimal fan speed control	8x 4cm high-performance counter-rotating PWM fans with optimal fan speed control	5x counter-rotating 40mm fans
Form Factor	1U Rackmount 437 x 43 x 724mm (17.2" x 1.7" x 28.5")	1U Rackmount 437 x 43 x 716mm (17.2" x 1.7" x 28.2")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")

* Please check with your Supermicro sales representative for compatibility
 ** LRDIMM only supported by E5-2600 v3



New!
UP W10
 Flexible I/O, Storage Array



UP, Cost-Effective
 Redundant / Non-Redundant
 Options



UP, Cost-Effective
 Redundant / Non-Redundant
 Options



MODEL	SuperServer® SYS-5018R-WR	SuperServer® SYS-5018R-M	SuperServer® SYS-5018R-MR
Processor Support	Single Intel® Xeon® Processor E5-2600/1600 v3 and product family	Single Intel® Xeon® Processor E5-2600 v3 product family	Single Intel® Xeon® Processor E5-2600 v3 product family
Key Applications	<ul style="list-style-type: none"> Data Center Data Deduplication & Replication Database Processing & Storage DataCenter Applications Engineering Design FireWall Applications 	<ul style="list-style-type: none"> DataCenter Applications Server Appliance Mainstream Server Usage Mission-Critical 	<ul style="list-style-type: none"> DataCenter Applications Server Appliance Mainstream Server Usage Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> Hot-swap 4x SATA3 drive bays 2 PCI-E x16 3.0 slots 1 PCI-E x8 slot 2 Gigabit Ethernet Ports Up to 3 add-on cards 	<ul style="list-style-type: none"> 350W high-efficiency power supply Short-depth (19.8"D) 	<ul style="list-style-type: none"> Redundant 400W high-efficiency power supplies w/ BBP™ module support Short-depth (19.8"D)
Serverboard	SUPER● X10SRW-F	SUPER● X10SRi-F	SUPER● X10SRi-F
Chipset	Intel® C612 Chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 (Total 3 add-on card slots)	1 x16 PCI-E 3.0 slot	1 x16 PCI-E 3.0 slot
Onboard Storage Controller	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,10	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,10	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,10
Connectivity	2x GbE port, 2x USB 2.0, USB 3.0, VGA, Serial	4x USB 2.0 (front/rear), USB 3.0, VGA, Serial	4x USB 2.0 (front/rear), USB 3.0, VGA, Serial
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4x SATA3 hot-swap drive bays (w/ RAID option)	4x 3.5" hot-swap SATA3 bays	4x 3.5" hot-swap SATA3 bays
Peripheral Bays	Optional slim optical device bay, optional FDD/USB bay	Optional slim optical device bay, optional FDD/USB bay	Optional slim optical device bay, optional FDD/USB bay
Power Supply	Redundant 500W Platinum Level high-efficiency power supplies	350W high-efficiency power supply	Redundant 400W high-efficiency power supplies with optional BBP™ module support
Cooling System	4x counter-rotating 40mm fans	4x 40mm mid-fan	4x 40mm mid-fan
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	Short-depth 1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	Short-depth 1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative for compatibility

** LRDIMM only supported by E5-2600 v3

New!

Embedded
Atom 8-Core Rangeley with
7 LAN with 6 ports bypass

24 DIMMs, 10GBase-T
Data Center Optimized



MODEL	SYS-5018A-TN7B	SuperServer® SYS-6017R-TDT+
Processor Support	Atom Rangeley C2758	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Network Security Appliance • FireWall Applications • Virtualization Server • Embedded Applications 	<ul style="list-style-type: none"> • Big Data Analytics, Cloud • Virtualization needs • Cloud Computing • Compute Intensive Application • Compute Intensive Storage Environments • Data Center • HPC • Virtualization
Outstanding Features	<ul style="list-style-type: none"> • 7xGbE LAN with 6 ports bypass • 8-Core Atom Rangeley up to 64GB ECC Memory • 7xGbE LAN with 6 ports bypass • 8-Core Atom Rangeley • Embedded long life • Full size mSATA support • Up to 64GB DDR3 1600MHz ECC 	<ul style="list-style-type: none"> • 24 DIMM slots • 2x 10GBase-T Ports • 600W Platinum Level high-efficiency power supply • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® A1SRM-LN7F-2758	SUPER® X9DRD-iT+
Chipset	Intel Atom C2758	Intel® C602 chipset
System Memory (Max.)*	64GB Unbuffered ECC/non-ECC, DDR3-1600MHz in 4 DIMM slotsx8 Width only	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	1 FH (Full-height, Half-length)	1 PCI-E 3.0 x16
Onboard Storage Controller	SoC controller for 4 SATA2 (3 Gbps) ports; RAID 2SATA3 (6 Gbps)	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Quad LAN with Intel® C2000 SoC; Single LAN with Intel® Ethernet Controller I210-AT; Dual LAN with Intel® Ethernet Controller I350-AM2	Dual LAN with Intel® X540 10GBase-T Ethernet controller
VGA/Audio	1 VGA, 1 Aspeed AST2400 BMC	Matrox® G200eW video controller
Management	IPMI2.0; NMI; SUM; SuperDoctor® 5; Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	1x 3.5" fixed drive bay or 2x2.5" drive bay with optional bracket	4x 3.5" hot-swap SATA HDD bays
Peripheral Bays	N/A	1 slim DVD-ROM drive (optional)
Power Supply	200W Multi-output Gold Level power supply	600W Platinum Level high-efficiency power supply with I ² C & PMBus
Cooling System	2x 4cm counter-rotating PWM fan, support up to three system fans	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	Mini-1U 17.2" (437mm) x 1.7" (43mm) x 11.3" (287mm)	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative for compatibility



1U 2-GPU/Xeon Phi™



1U 3-GPU/Xeon Phi™



1U 3-GPU/Xeon Phi™



MODEL	SuperServer® SYS-1027GR-TRF+ SYS-1027GR-TRFT+	SuperServer® SYS-1027GR-72R2 SYS-1027GR-72RT2	SuperServer® SYS-1027GR-TR2 SYS-1027GR-TRT2
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to dual 8.0GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to dual 8.0GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to dual 8.0GT/s
Key Applications	<ul style="list-style-type: none"> • 2D/3D and CAD Applications • 3D Rendering • Astrophysics • Chemistry • Cloud and Virtualization needs • Cloud Computing • Financial Analysis • High-performance computing • Oil & Gas 	<ul style="list-style-type: none"> • 2D/3D and CAD Applications • 3D Rendering • Astrophysics • Chemistry • Cloud and Virtualization needs • Cloud Computing • Financial Analysis • High-performance computing • Oil & Gas 	<ul style="list-style-type: none"> • 2D/3D and CAD Applications • 3D Rendering • Astrophysics • Chemistry • Cloud and Virtualization needs • Cloud Computing • Financial Analysis • High-performance computing • Oil & Gas
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 1800W Redundant Platinum Level high-efficiency power supplies • 4x 2.5" SATA drives • Up to 2 GPU/Xeon Phi™ cards in 1U 	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 4x 2.5" SAS/SATA drives • Up to 3 GPU/Xeon Phi™ cards in 1U • GPU/Xeon Phi™ health monitoring with fan speed control • Avago® 2208 controller for 4 SAS/SATA (6Gbps) hot-swappable drives 	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 4x 2.5" SATA drives • Up to 3 GPU/Xeon Phi™ cards in 1U • GPU health monitoring with fan speed control • 1600W Redundant Platinum Level high-efficiency power supplies
Serverboard	-TRF+: SUPER® X9DRG-HF+ -TRFT+: SUPER® X9DRG-HTF+	-72R2: SUPER® X9DRG-HF+II -72RT2: SUPER® X9DRG-HTF+II	-TR2: SUPER® X9DRG-HF+II -TRT2: SUPER® X9DRG-HTF+II
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 slots (2 GPU/XeonPhi opt.); 1 PCI-E 3.0 x8 (in x16) low-profile lot	3 PCI-E 3.0 x16 slots (3x GPU/XeonPhi opt.); 1 PCI-E 3.0 x8 (in x16) low profile slot	3 PCI-E 3.0 x16 slots (3x GPU/XeonPhi opt.); 1 PCI-E 3.0 x8 (in x16) low profile slot
Onboard Storage Controller	Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C602 AHCI controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Avago® 2208 controller for 4 SAS/SATA (6Gbps) hot-swappable drives	Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	-TRF+: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -TRFT+: Dual 10GBase-T ports with Intel® X540 controller	-72R2: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -72RT2: Dual 10GBase-T ports with Intel® X540 controller	-TR2: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -TRT2: Dual 10GBase-T ports with Intel® X540 controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor III; Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor III; Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor III; Watchdog
Drive Bays	4x 2.5" hot-swap SAS/SATA drive bay	4x 2.5" hot-swap SAS/SATA drive bay	4x 2.5" hot-swap SAS/SATA drive bay
Peripheral Bays	N/A	N/A	N/A
Power Supply	1800W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1600W Redundant Platinum Level high-efficiency redundant power supplies with I ² C & PMBus	1600W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	9x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x777mm (17.2" x 1.7" x 30.6")	1U Rackmount 437 x 43 x777mm (17.2" x 1.7" x 30.6")	1U Rackmount 437 x 43 x777mm (17.2" x 1.7" x 30.6")

* Please check with your Supermicro sales representative for compatibility



IU 3-GPU/Xeon Phi™

IU 3-GPU/Xeon Phi™

IU 4-GPU/Xeon Phi™



MODEL	SuperServer® SYS-1027GR-TRF SYS-1027GR-TRFT	SuperServer® SYS-1027GR-TSF	SuperServer® SYS-1027GR-TQF SYS-1027GR-TQFT
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8.0GT/s
Key Applications	<ul style="list-style-type: none"> Mission-critical applications, medical imaging, oil and gas simulation, quantum chemistry, financial simulation, astrophysics 	<ul style="list-style-type: none"> Mission-critical applications, medical imaging, oil and gas simulation, quantum chemistry, financial simulation, astrophysics 	<ul style="list-style-type: none"> Mission-critical applications, medical imaging, oil and gas simulation, quantum chemistry, financial simulation, astrophysics
Outstanding Features	<ul style="list-style-type: none"> Up to 3 GPU or Xeon Phi™ cards in 1U 4x 2.5" SATA drives IPMI 2.0 + KVM w/ dedicated LAN GPU/Xeon Phi™ health monitoring with fan speed control 1800W Redundant Platinum Level high-efficiency power 	<ul style="list-style-type: none"> Up to 3 GPU or Xeon Phi™ cards in 1U 4x 2.5" SATA drives IPMI 2.0 + KVM w/ dedicated LAN GPU/Xeon Phi™ health monitoring with fan speed control 1800W Platinum Level high-efficiency power 	<ul style="list-style-type: none"> Up to 4 PCI-E 3.0 x16 support 4 double width GPU or Xeon Phi™ cards in 1U 4x 2.5" SATA drives IPMI 2.0 + KVM w/ dedicated LAN GPU/Xeon Phi™ health monitoring with fan speed control 1800W Platinum Level high-efficiency power
Serverboard	-TRF: SUPER® X9DRG-HF -TRFT: SUPER® X9DRG-HTF	SUPER® X9DRG-HF	-TQF: SUPER® X9DRG-HF -TQFT: SUPER® X9DRG-HTF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 support 3 double width GPU/Xeon Phi™ cards 1 PCI-E 3.0 x8 (in x16 low-profile)	3 PCI-E 3.0 x16 support 3 double width GPU/Xeon Phi™ cards 1 PCI-E 3.0 x8 (in x16 low-profile)	4 PCI-E 3.0 x16 support 4 double width GPU/Xeon Phi™ cards 1 PCI-E 3.0 x8 (in x16 low-profile)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	-TRFT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors -TRF: Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	-TQFT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors -TQF: Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 2.5" hot-swap SATA drive bays	4x 2.5" hot-swap SATA drive bays	4x 2.5" hot-swap SATA drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1800W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1800W Platinum Level high-efficiency power supply with I²C & PMBus	1800W Platinum Level high-efficiency power supply with I²C & PMBus
Cooling System	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	12x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 787mm (17.2" x 1.7" x 31")	1U Rackmount 437 x 43 x 787mm (17.2" x 1.7" x 31")	1U Rackmount 437 x 43 x 787mm (17.2" x 1.7" x 31")

* Please check with your Supermicro sales representative for compatibility



WIO+



WIO+



WIO+



MODEL	SuperServer® SYS-1027R-WRF4+ SYS-1027R-WRFT+	SuperServer® SYS-6017R-N3RFT+	SuperServer® SYS-6017R-N3RF4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Cloud and Virtualization needs Hosting & Application delivery Database processing & Storage Simulation & Automation 	<ul style="list-style-type: none"> Cloud and Virtualization needs Hosting & Application delivery Database processing & Storage Simulation & Automation 	<ul style="list-style-type: none"> Cloud and Virtualization needs Hosting & Application delivery Database processing & Storage Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> Quad /Dual Gigabit Ethernet LAN Up to 3 add-on cards 700W Redundant Gold Level high-efficiency power supplies Eight 2.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> Dual Intel® 10GBase-T ports Up to 3 add-on cards 700W Redundant Gold Level high-efficiency power supplies Four 3.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> Quad Gigabit Ethernet LAN Up to 3 add-on cards 700W Redundant Gold Level high-efficiency power supplies Four 3.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN
Serverboard	-WRF4+: SUPER® X9DRW-3LN4F+ -WRFT+: SUPER® X9DRW-3TF+	SUPER® X9DRW-3TF+	SUPER® X9DRW-3LN4F+
Chipset	Intel® C606 chipset	Intel® C606 chipset	Intel® C606 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	Right slot: 1 PCI-E 3.0 x8 (LP/4.1"L) Left slot: 1 PCI-E 3.0 x16 (FH/10"L) 1 PCI-E 3.0 x8 (FH/6.6"L)	Right slot: 1 PCI-E 3.0 x8 (LP/4.1"L) Left slot: 1 PCI-E 3.0 x16 (FH/10"L) 1 PCI-E 3.0 x8 (FH/6.6"L)	Right slot: 1 PCI-E 3.0 x8 (LP/4.1"L) Left slot: 1 PCI-E 3.0 x16 (FH/10"L) 1 PCI-E 3.0 x8 (FH/6.6"L)
Onboard Storage Controller	Ready for SAS or SATA add-on card	Intel® C606 controller for 4 SAS/SATA2 (3Gbps) ports; RAID 0,1,10; Intel® C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C606 controller for 4 SAS/SATA2 (3Gbps) ports; RAID 0,1,10
Connectivity	-WRF4+: Quad LAN with Intel® i350 Gigabit Ethernet controller; -WRFT+: Dual LAN with Intel® i350 Gigabit Ethernet controller; Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors;	Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors Dual LAN with Intel® i350 Gigabit Ethernet controller	Quad LAN with 2x Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap SAS/SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus
Cooling System	6x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	6x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	6x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 676mm (17.2" x 1.7" x 26.6")	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")

* Please check with your Supermicro sales representative for compatibility



**WIO 12Gbps SAS3
HW RAID, NVMe**

**WIO
12Gbps SAS 3.0 HW RAID**

**WIO / HW SAS2 /
10GbE SFP+**



MODEL	SuperServer® SYS-1027R-WC1NR SYS-1027R-WC1NRT	SuperServer® SYS-1027R-WC1R SYS-1027R-WC1RT	SuperServer® SYS-1027R-72RFTP SYS-1027R-WTRFTP
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Compute Intensive Storage Environments • Database Applications • Data Center Applications 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Compute Intensive Storage Environments • Front-end Server and other Computing Intensive Applications 	<ul style="list-style-type: none"> • HPC • Compute Intensive Storage Environments • Data Center • Database Processing & Storage • Enterprise Server • Front-end Server and other Computing Intensive Applications
Outstanding Features	<ul style="list-style-type: none"> • Supports up to two 2.5" NVMe PCI-E SSDs • 10x 2.5" SAS/SATA drive bays • 16 DIMM slots • 2x 10GBase-T Ports • Avago® 3108 controller for 8 SAS 3.0 (12Gbps) hot-swappable drives 	<ul style="list-style-type: none"> • 10x 2.5" SAS/SATA drive bays • Avago® 3108 controller for 8 SAS 3.0 (12Gbps) hot-swappable drives • Up to 2 add-on cards (2 full-height & half-length) • 700W Redundant Gold Level high-efficiency power supplies 	<ul style="list-style-type: none"> • 3 PCI-E 3.0 cards in 1U • 2 10G SFP+ ports • Avago® 2208 controller for 8 SAS/SATA (6Gbps) hot-swappable drives • IPMI 2.0 + KVM with dedicated LAN
Serverboard	-WC1NR: SUPER® X9DRW-CF31 -WC1NRT: SUPER® X9DRW-CTF31	-WC1R: SUPER® X9DRW-CF31 -WC1RT: SUPER® X9DRW-CTF31	-72RFTP: SUPER® X9DRW-7TPF -WTRFTP: SUPER® X9DRW-iTPF
Chipset	Intel® C602J chipset	Intel® C602J chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 (FH, HL); Two CPUs required to enable the PCI-E slot	2 PCI-E 3.0 x16 (FH, HL); Both CPUs need to be installed for full access to PCI-E slots	Right slot: 1 PCI-E x8 (LP/6.6"L) Left slot: 1 PCI-E x16 (FH/6.6"L) 1 PCI-E x16 (FH/10"L)
Onboard Storage Controller	Avago® 3108 SAS 3.0 (12Gbps) HW RAID controller for 8 SAS 3.0 (12Gbps) ports; RAID 0,1,5,6,10,50,60; 2GB DDR3 Cache; C602J AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Avago® 3108 SAS 3.0 (12Gbps) HW RAID controller for 8 SAS 3.0 (12Gbps) ports; RAID 0,1,5,6,10,50,60; 2GB DDR3 Cache; C602J AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® C602 AHCI controller for 4 SATA2 (3 Gbps) ports; 2 SATA3 (6 Gbps) RAID 0,1,5,10 RAID 0,1,5,10 (Windows), RAID 0,1,10 (Linux); Intel® C602 SCU controller for 4 SATA2 (3 Gbps) ports; RAID 0,1,5,10; Avago® 2208 1GB DDR3 cache HW controller for 8 SAS2 (6Gbps) ports; RAID 0,1,5,6,10,50,60 (for -72RFTP only)
Connectivity	-WC1NR: Dual port Intel® i350 Gigabit LAN -WC1NRT: Dual LAN with Intel® X540 10GBase-T Ethernet Controller; 1 Realtek RTL8211E PHY (dedicated IPMI)	-WC1R: Dual port Intel® i350 Gigabit LAN -WC1RT: Dual LAN with Intel® X540 10GBase-T Ethernet Controller;	Dual port Intel® i350 Gigabit LAN and Dual 10Gb SFP+ with Broadcom BCM57810S
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics (-72RFTP)
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor III; Watchdog;	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	10x 2.5" hot-swap drive bays (8 SAS3 and 2 NVMe /SATA3)	10x 2.5" hot-swap SAS/SATA drive bays	8x 2.5" hot-swap HDD bays
Peripheral Bays	N/A	N/A	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus
Cooling System	6x 4cm heavy duty counter-rotating fans	4x 40x56mm counter-rotation PWM fan; 2x fans for AOC cooling. (Total of 6 fans included)	6x 4cm heavy duty PWM counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 676mm (17.2" x 1.7" x 26.6")

* Please check with your Supermicro sales representative for compatibility

**WIO / HW SAS2 /
10GbE SFP+ / BBP®**

**WIO
Cost Effective**

WIO

WIO



SuperServer® SYS-1027R-72BRFTP	SuperServer® SYS-6017R-WTRFTP+	SuperServer® SYS-6017R-72RFTP SYS-6017R-WTRFTP	SuperServer® SYS-1027R-N3RF
Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
<ul style="list-style-type: none"> HPC Compute Intensive Storage Environments Data Center Database Processing & Storage Enterprise Server Front-end Server and other Computing Intensive Applications 	<ul style="list-style-type: none"> HPC Compute Intensive Storage Environments Data Center Database Processing & Storage Enterprise Server Front-end Server and other Computing Intensive Applications 	<ul style="list-style-type: none"> HPC Compute Intensive Storage Environments Data Center Database Processing & Storage Enterprise Server Front-end Server and other Computing Intensive Applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter Data farm Front-end server and other computing intensive applications
<ul style="list-style-type: none"> 3 PCI-E 3.0 cards in 1U 2 10G SFP+ ports Avago® 2208 controller for 8 SAS/SATA (6Gbps) hot-swappable drives UPS Battery Option IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 24 Dimm support Intel® 82599 Dual port 10G SFP+ 2x SFP+ 10Gb LAN ports 2 PCI-E 3.0 (x16) 1 PCI-E 3.0 (x8) Low-profile 24 DIMM support 	<ul style="list-style-type: none"> 3 PCI-E 3.0 cards in 1U 2 10G SFP+ ports Avago® 2208 controller for 4 SAS/SATA (6Gbps) hot-swappable drives IPMI 2.0 + KVM with dedicated LAN 700W Redundant Gold Level high-efficiency power supplies 	<ul style="list-style-type: none"> Up to 2 add-on cards 700W Redundant Gold Level high-efficiency power supplies 10x 2.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN UID LED
SUPER● X9DRW-7TPF	SUPER● X9DRW-iTPF+	-72RFTP: SUPER● X9DRW-7TPF -WTRFTP: SUPER● X9DRW-iTPF	SUPER● X9DRW-3F
Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C606 chipset
Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Right slot: 1 PCI-E x8 (LP/6.6"L) Left slot: 1 PCI-E x16 (FH/6.6"L) 1 PCI-E x16 (FH/10"L)	Left Riser Slot: 1 PCI-E 3.0 x32 Right Riser Slot: 2 PCI-E 3.0 x16	Right slot: 1 PCI-E x8 (LP/6.6"L) Left slot: 1 PCI-E x16 (FH/6.6"L) 1 PCI-E x16 (FH/10"L)	Left slot: 2 PCI-E 3.0 x16 (2 FH/6.6"L)
Avago® 2208 controller for 8 SAS/SATA (6Gbps) ports; HW RAID 0, 1, 5, 6, 10, 50, 60; 1GB DDR3 cache (1333MHz)	Intel® C602J AHCI controller for 4 SATA2 (3 Gbps) ports; RAID 2SATA3 (6 Gbps) RAID 0,1,5,10 RAID 0,1,5,10 (Windows), RAID 0,1,10 (Linux)	Intel® C602 AHCI controller for 4 SATA2 (3 Gbps) ports; 2 SATA3 (6 Gbps) RAID 0,1,5,10 RAID 0,1,5,10 (Windows), RAID 0,1,10 (Linux); Intel® C602 SCU controller for 4 SATA2 (3 Gbps) ports; RAID 0,1,5,10; Avago® 2208 1GB DDR3 cache HW controller for 8 SAS2 (6Gbps) ports; RAID 0,1,5,6,10,50,60 (for -72RFTP only)	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10; 2 SATA3 (6Gbps) ports; RAID 0,1,10
Dual port Intel® i350 Gigabit LAN + Dual port Broadcom BCM57810S 10Gb SFP+	Dual LAN with Intel® i350 Gigabit Ethernet Controller; Dual LAN with Intel® 82599ES 10 Gigabit Ethernet w/ SFP+	Dual port Intel® i350 Gigabit LAN and Dual 10Gb SFP+ with Broadcom BCM57810S	Dual LAN with Intel® i350 Gigabit Ethernet controller
Matrox® G200eW graphics	1 Nuvoton WPCM450 BMC	Matrox® G200eW graphics (-72RFTP)	Matrox® G200eW graphics
IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
8x 2.5" hot-swap HDD bays	4x 3.5" hot-swap SAS/SATA HDD bays	4x 3.5" hot-swap HDD bays	10x 2.5" hot-swap SAS/SATA drive bays
Front side USB	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	N/A
700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus;	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus
Additional two 200W Battery Backup Power Modules			
6x 4cm heavy duty PWM counter-rotating fans with air shroud with optimal fan speed control	5x 40x56mm PWM fan; 1x fan for PCI card cooling	6x 4cm heavy duty PWM counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
1U Rackmount	1U Rackmount	1U Rackmount	1U Rackmount
437 x 43 x 676mm (17.2" x 1.7" x 26.9")	437 x 43 x 705mm (17.2" x 1.7" x 27.75")	437 x 43 x 705mm (17.2" x 1.7" x 27.75")	437 x 43 x 597mm (17.2" x 1.7" x 23.5")



WIO



WIO



WIO



MODEL	SuperServer® SYS-1027R-WRF	SuperServer® SYS-6017R-NTF	SuperServer® SYS-6017R-WRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter Data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> Cloud and Virtualization needs, Hosting & Application delivery, Database processing & Storage, Simulation & Automation 	<ul style="list-style-type: none"> Cloud and Virtualization needs, Hosting & Application delivery, Database processing & Storage, Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> Up to 2 add-on cards 700W Redundant Gold Level high-efficiency power supplies 8x 2.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN UID LED 	<ul style="list-style-type: none"> 16 DIMM slots 600W Platinum Level power supplies Up to 2 add-on cards IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> Up to 2 add-on cards 700W Redundant Gold Level high-efficiency power supplies Four 3.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9DRW-iF	SUPER● X9DRW-iF	SUPER● X9DRW-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Left slot: 2 PCI-E 3.0 x16 (2 FH/6.6"L)	Left slot: 2 PCI-E 3.0 x16 (FH/6.6"L)	Left slot: 2 PCI-E 3.0 x16 (FH/6.6"L)
Onboard Storage Controller	Ready for SAS or SATA add-on card	Intel® C602 controller for 4 SATA2 (3Gbps) or 2 SATA3 + 2 SATA2 ports; RAID 0,1,10	Ready for SAS or SATA add-on card
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® III, Watch Dog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® III, Watch Dog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® III, Watch Dog
Drive Bays	8x 2.5" hot-swap SAS/SATA drive bays	4x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies with i°C & PMBus	600W Platinum Level high-efficiency power supply with i°C & PMBus	700W Redundant Gold Level high-efficiency power supplies with i°C & PMBus
Cooling System	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")



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MODEL	SuperServer® SYS-1027R-73DARF	SuperServer® SYS-1027R-73DBRF	SuperServer® SYS-1027R-73DAF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s
Key Applications	<ul style="list-style-type: none"> Data Center HPC Enterprise Server Compute Intensive Storage Environments 	<ul style="list-style-type: none"> Data Center HPC Enterprise Server Compute Intensive Storage Environments 	<ul style="list-style-type: none"> Data Center HPC Enterprise Server Compute Intensive Storage Environments
Outstanding Features	<ul style="list-style-type: none"> 700W Redundant Gold Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 700W Redundant Gold Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 560W Gold Level high-efficiency IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DRD-7LN4F	SUPER® X9DRD-7LN4F	SUPER® X9DRD-7LN4F
Chipset	Intel® C602J chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8 (full-height, full-length)	1 PCI-E 3.0 x8 (full-height, full-length)
Onboard Storage Controller	Avago® 2308 controller for 8 SAS/SATA (6Gbps) ports; RAID 0,1,10	Avago® 2308 controller for 8 SAS/SATA (6Gbps) ports; RAID 0,1,10 Intel® C602J controller for 2 SATA3 (6Gbps) ports; RAID 0, 1	Avago® 2308 controller for 8 SAS/SATA (6Gbps) ports; RAID 0,1,10
Connectivity	Quad LAN with Intel® i350 Gigabit Ethernet controller	Quad LAN with Intel® i350 Gigabit Ethernet controller	Quad LAN with Intel® i350 Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap SATA/SAS HDD bays	10x 2.5" hot-swap SATA/SAS HDD bays	8x 2.5" hot-swap SATA/SAS HDD bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	N/A	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies	700W Redundant Gold Level high-efficiency power supplies	560W Gold Level high-efficiency power supply
Cooling System	6x 4cm heavy duty counter-rotating fans with optimal fan speed control	6x 4cm heavy duty counter-rotating fans with optimal fan speed control	6x 4cm heavy duty counter-rotating fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")

* Please check with your Supermicro sales representative for compatibility



*Data Center Optimized
Cost Effective*



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Cost Effective*



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Cost Effective*



MODEL	SuperServer® SYS-6017R-TDLF (Bulk*)	SuperServer® SYS-6017R-TDLRF (Bulk*)	SuperServer® SYS-6017R-TDF (Bulk*)
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s
Key Applications	<ul style="list-style-type: none"> Data Center HPC Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center HPC Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center HPC Web Server Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> 350W Gold Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Cost Effective 	<ul style="list-style-type: none"> 500W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN Cost Effective 	<ul style="list-style-type: none"> 480W Platinum Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Cost Effective
Serverboard	SUPER® X9DRD-LF	SUPER® X9DRD-LF	SUPER® X9DRD-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16 (full-height, full-length)	1 PCI-E 3.0 x16 (full-height, full-length)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	2x 3.5" hot-swap SATA HDD bays	2x 3.5" hot-swap SATA HDD bays	4x 3.5" hot-swap SATA HDD bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	350W Gold Level high-efficiency power supply	500W Redundant Platinum Level high-efficiency power supplies	480W Platinum Level high-efficiency power supply with I ² C & PMBus
Cooling System	2x blower fans with optimal fan speed control	2x blower fans with optimal fan speed control	2x blower fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative for compatibility
† Bulk Package options available upon request

*Data Center Optimized**Data Center Optimized**Mainstream Short-Depth*

MODEL	SuperServer® SYS-6017R-TDAF	SuperServer® SYS-6017R-TDF+ (Bulk*)	SuperServer® SYS-6017R-M7UF (Bulk*)
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Data Center HPC Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center HPC Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center Web Server Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> 600W Platinum Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 600W Gold Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 400W Gold Level high-efficiency power supply Option for BBP® (PWS-206B-1R) or 2nd power supply for redundancy IPMI 2.0 + KVM with dedicated LAN Short-Depth
Serverboard	SUPER® X9DRD-iF	SUPER® X9DRD-EF	SUPER® X9DRL-7F
Chipset	Intel® C602 chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 (full-height, full-length)	1 PCI-E 3.0 x8 (full-height, full-length)	1 PCI-E 3.0 x8 (full-height, full-length)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602J controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Avago® 2208 controller for 4 SATA/SAS (6Gbps) ports; RAID 0, 1, 10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Intel® i210 Dual Port Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA HDD bays	4x 3.5" hot-swap SATA HDD bays	4x 3.5" hot-swap SATA/SAS HDD bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	600W Platinum Level high-efficiency power supply with I ² C and PMBus	600W Gold Level high-efficiency power supply with PFC	400W Gold Level high-efficiency power supply; Option for BBP® (PWS-206B-1R) or 2nd power supply for redundancy.
Cooling System	4x 4cm heavy duty fans counter-rotating with optimal fan speed control	2x blower + 1x 4cm fans with optimal fan speed control	5x 4cm heavy duty fans counter-rotating with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative for compatibility



**Mainstream
Short-Depth**



**Mainstream
Short-Depth**



**Big Data
Cost Effective High Density
DataNode**



MODEL	SuperServer® SYS-6017R-M7RF	SuperServer® SYS-6017R-MTLF	SuperServer® SYS-6017R-73THDP+ SYS-6017R-73HDP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v2 product family with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 v2 product family with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to dual 8.0GT/s
Key Applications	<ul style="list-style-type: none"> Data Center Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center Web Server Enterprise Server 	<ul style="list-style-type: none"> Big Data Analytics
Outstanding Features	<ul style="list-style-type: none"> 400 Redundant Gold Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Short-Depth 	<ul style="list-style-type: none"> 480W Platinum Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Short-Depth 	<ul style="list-style-type: none"> 12x 3.5" data drives in IU 16 DIMM slots Cost optimized High-density, Enterprise Performance, Cost-effective
Serverboard	SUPER® X9DRL-7F	SUPER® X9DRL-EF	-73THDP+: SUPER® X9DRFF-7TG+ -73HDP+: SUPER® X9DRFF-7G+
Chipset	Intel® C602J chipset	Intel® C602J chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8	1x PCI-E 2.0 x4 (in x8, half-height) slot
Onboard Storage Controller	Avago® 2208 controller for 4 SATA/SAS (6Gbps) ports; RAID 0, 1, 10	Intel® C602J controller for 2 SATA (6Gbps) ports; RAID 0, 1 2 SATA (3Gbps) ports; RAID 0, 1, 5, 10	Avago® 2308 controller for 8 SAS2 (6Gbps) ports; RAID 0,1,10; Intel® C602 AHCI controller for 4 SATA2 (3Gbps) ports; 2 SATA3 (6Gbps) RAID 0,1,5,10;
Connectivity	Intel® i210 Dual Port Gigabit Ethernet LAN	Intel® i210 Dual Port Gigabit Ethernet LAN	-73THDP+: Dual Intel® X540 10GBase-T Ethernet Controller -73HDP+: Dual LAN with Intel® i350 Gigabit Ethernet Controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA/SAS HDD bays	4x 3.5" hot-swap SATA HDD bays	12x 3.5" fixed drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	N/A
Power Supply	400W Redundant Gold Level high-efficiency power supplies	480W Platinum Level high-efficiency power supply	650W high-efficiency power supply w/ PMBus
Cooling System	5x 4cm heavy duty fans counter-rotating with optimal fan speed control	5x 4cm heavy duty fans counter-rotating with optimal fan speed control	4x 40x56mm PWM fan; 4x 40x28mm PWM fan
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 908mm (17.2" x 1.7" x 35.75")

* Please check with your Supermicro sales representative for compatibility



UIO



UIO



UIO



MODEL	SuperServer® SYS-6017B-NTF	SuperServer® SYS-6017B-URF	SuperServer® SYS-1027B-URF
Processor Support	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s
Key Applications	<ul style="list-style-type: none"> HPC Cluster Computer Data Center Front-end Server 	<ul style="list-style-type: none"> HPC Cluster Computer Data Center Front-end Server 	<ul style="list-style-type: none"> HPC Cluster Computer Data Center Front-end Server
Outstanding Features	<ul style="list-style-type: none"> 384GB DDR3-1600 MHz SDRAM 12 DIMM slots 600W Gold Level power supply 	<ul style="list-style-type: none"> 384GB DDR3-1600 MHz SDRAM 12 DIMM slots 500W Redundant Platinum Level power supply 	<ul style="list-style-type: none"> 384GB DDR3-1600 MHz SDRAM 12 DIMM slots 500W Redundant Platinum Level power supply
Serverboard	SUPER® X9DBU-iF	SUPER® X9DBU-iF	SUPER® X9DBU-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 384GB of ECC 1600 SDRAM in 12 DIMM slots	Up to 384GB of ECC 1600 SDRAM in 12 DIMM slots	Up to 384GB of ECC 1600 SDRAM in 12 DIMM slots
Expansion Slots	2 PCI-E 3.0 x8 (1 FH/13.5"L, 1 FH/6.6"L)	1 UIO, 1 PCI-E 3.0 x8 (FH/13.5"L)	1 UIO, 1 PCI-E 3.0 x8 (FH/13.5"L)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1,10 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Ready for SAS or SATA add-on card	Ready for SAS or SATA add-on card
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays (Optional SAS controller card)	8x 2.5" hot-swap SATA drive bays (optional SAS controller card)
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	600W Gold Level high-efficiency power supply	500W Redundant Platinum Level high-efficiency power supplies	500W Redundant Platinum Level high-efficiency power supplies
Cooling System	2x 97L x 94W x 37H mm 5K rpm cooling blower	4x counter-rotating 4cm PWM fans	4x counter-rotating 4cm PWM fans
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")

* Please check with your Supermicro sales representative for compatibility

*Mainstream
Short-Depth*

*Mainstream
Short-Depth*

*Mainstream
Short-Depth*



MODEL	SuperServer® SYS-6017B-MTF SYS-6017B-MTLF	SuperServer® SYS-6017B-MTRF	SuperServer® SYS-1027B-MTF
Processor Support	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s
Key Applications	<ul style="list-style-type: none"> Data Center Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center Web Server Enterprise Server 	<ul style="list-style-type: none"> Data Center HPC Enterprise Server Compute Intensive Storage Environments
Outstanding Features	<ul style="list-style-type: none"> 440W Platinum Level / 350W Gold Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Cost Effective Short-Depth 	<ul style="list-style-type: none"> 400W Redundant Gold Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN Cost Effective Short-Depth 	<ul style="list-style-type: none"> 600W Platinum Level Digital high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN Cost Effective Short-Depth
Serverboard	SUPER® X9DBL-iF	SUPER® X9DBL-iF	SUPER® X9DBL-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 192GB of ECC DDR3-1600 MHz SDRAM in 6 DIMM slots	Up to 192GB of ECC DDR3-1600 MHz SDRAM in 6 DIMM slots	Up to 192GB of ECC DDR3-1600 MHz SDRAM in 6 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 2 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Intel® 82574L Dual Port Gigabit Ethernet LAN	Intel® 82574L Dual Port Gigabit Ethernet LAN	Intel® 82574L Dual Port Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA HDD bays	4x 3.5" hot-swap SATA HDD bays	8x 2.5" hot-swap SATA HDD bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	-MTF: 440W Platinum Level high-efficiency power supply with I ² C and PMBus -MTLF: 350W Gold Level high-efficiency power supply	400W Redundant Gold Level high-efficiency power supplies with I ² C and PMBus	600W Platinum Level Digital high-efficiency power supply with I ² C and PMBus
Cooling System	4x 4cm heavy duty fans counter-rotating with optimal fan speed control	4x 4cm heavy duty fans counter-rotating with optimal fan speed control	4x 4cm heavy duty fans counter-rotating with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 508mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative for compatibility



Embedded
Best Performance per Watt,
Less than 10" Depth
UP

Mainstream
High-Connectivity with
Quad LAN

Mainstream
Reliable Performance
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MODEL	SuperServer® SYS-5018D-FN4T	SuperServer® SYS-5018D-MTLN4F	SuperServer® SYS-5018D-MTRF SYS-5018D-MTF
Processor Support	Xeon D-1540, SoC 8 Core, 45W, 2.0-2.6GHz	Single Intel® Xeon® E3-1200 v3, 4th gen. Core i3, Pentium®, Celeron® processors; Single socket H3 (LGA 1150) supports	Single Intel® Xeon® E3-1200 v3, 4th gen. Core i3, Pentium®, Celeron® processors; Single socket H3 (LGA 1150) supports
Key Applications	<ul style="list-style-type: none"> Networking Appliance Edge Computing Device Security Gateway Compact Cloud Server 	<ul style="list-style-type: none"> Data Center HPC Enterprise Server Compute Intensive Storage Environments 	<ul style="list-style-type: none"> Data Center HPC Enterprise Server Compute Intensive Storage Environments
Outstanding Features	<ul style="list-style-type: none"> 2x Gigabit + 2x 10G LAN ports Less than 10" depth Up to 2x 3.5" or 4x 2.5" SATA3 device 1x PCI-E 3.0 x16 add-on card slot Dedicated management port M.2 Supported. PCI-E 3.0 x4 2280, 2242 	<ul style="list-style-type: none"> 350W Gold Level high-efficiency power supply 4x 3.5" SATA drives Four 3.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN Optimized for server appliance Quad Gigabit Ethernet LAN SATA 3.0 (6Gbps) support 	<ul style="list-style-type: none"> 400W Redundant high-efficiency power supply w/ optional BBP® module (-MTRF) 4x 3.5" SATA drives Four 3.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN Optimized for server appliance Dual Gigabit Ethernet LAN 4x SATA 3.0 (6Gbps) support
Serverboard	SUPER® X10SDV-8C-TLN4F	SUPER® X10SLM+-LN4F	SUPER® X10SLM-F
Chipset	Intel Xeon D-1540, SoC	Intel® C224 chipset	Intel® C224 chipset
System Memory (Max.)*	Up to 4 DIMMs, 128 GB of 2133MHz DDR4 RDIMM or 64GB UDIMM	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 slots	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 slots
Expansion Slots	1x PCI E 3.0 x16 add-on card slot	1 PCI-E 3.0 x16 FH expansion slot	1 PCI-E 3.0 (x8 in 16) FH expansion slot
Onboard Storage Controller	Intel SoC-based 2x 3.5" or 4x 2.5" SATA3 bays, SATA DOM support	Intel® C224 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C224 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	2x GbE + 2x 10G LAN ports 1x dedicated management port, 2x USB 3.0	Quad LAN with Intel® Ethernet Controller i210AT	Dual LAN with Intel® Ethernet Controller i210AT + i217LM
VGA/Audio	Integrated VGA port	AST2400 VGA Optional front bezel cover	AST2400 VGA Supports BBP® module (-MTRF) Optional front bezel cover
Management	Integrated remote management with dedicated port	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Intel SoC-based 2x 3.5" or 4x 2.5" SATA3 fixed bays	4x 3.5" SATA3 Hot-swap Bays w/ RAID options	4x 3.5" SATA3 hot-swap bays w/ RAID options
Peripheral Bays	3.5" (default) or 2.5" (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	200W compact power supply	350W Gold Level high-efficiency power supply	-MTRF: 400W Redundant w/ optional BBP® module -MTF: 350W Gold Level high-efficiency power supply
Cooling System	CPU fan, 40mm chassis fan	4x 28mm fans standard (with option for additional fans for add-on card)	4x 28mm fans standard (with optional for additional fan for add-on card)
Form Factor	1U Rackmount (less than 10" depth) 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")

* Please check with your Supermicro sales representative for compatibility

**Mainstream
Cost-Effective
Compact Server Appliance
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**Mainstream
Storage UP, SAS2**

1U UP 2-GPU/Xeon Phi™



MODEL	SuperServer® SYS-5018D-MF	SuperServer® SYS-1018D-73MTF	SuperServer® SYS-1017GR-TF
Processor Support	Single Intel® Xeon® E3-1200 v3, 4th gen. Core i3, Pentium, Celeron processors ; Single socket H3 (LGA 1150) supports	Single Intel® Xeon® E3-1200 v3, 4th Gen Core i3 (Haswell-DT, LGA 1150), up to 4C/8T	Single Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Automation, Cloud and Virtualization needs, Cloud Computing, Corporate Database, Corporate- WINS, DNS, Print, Login, Data Center, Data Farm, Data Warehouse, Database Processing & Storage, Disk Backup & Recovery, Downloads e-Business, Email Server, Embedded Applications, Engineering Design, Hosting & Application delivery Industrial Automation & Control, Instrumentation, Large Database 	<ul style="list-style-type: none"> Automation, Cloud and Virtualization needs, Cloud Computing, Corporate Database, Corporate- WINS, DNS, Print, Login, Data Center, Data Farm, Data Warehouse, Database Processing & Storage, Disk Backup & Recovery, Downloads e-Business, Email Server, Embedded Applications, Engineering Design, Hosting & Application delivery Industrial Automation & Control, Instrumentation, Large Database 	<ul style="list-style-type: none"> GPU Server Mission-critical applications Enterprise server Oil & gas applications Financial, 3D rendering, chemistry applications HPC, and mdical applications
Outstanding Features	350W Gold Level high-efficiency power supply Compact size chassis Cost effective UP platform	330W Gold Level high-efficiency power supply 8x 2.5" SAS/SATA drives Compact size chassis Cost effective UP storage platform	Up to 2 GPU cards in 1U 6x 2.5" SATA drives 1400W Platinum Level Digital high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X10SLL-F	SUPER® X10SL7-F	SUPER® X9SRG-F
Chipset	Intel® C222 chipset	Intel® C222 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 slots	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 (x8 in 16) PCI-E 3.0 Full-Height Expansion Slot	1 (x8 in 16) PCI-E 3.0 Full-Height Expansion Slot	2 PCI-E 3.0 x16 support 2 double width GPU cards 1 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	2x 3.5" fixed SATA3 w/ RAID options	Avago® 2308 with 8x SAS 6Gbps; RAID 0, 1, 1E, 10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® Ethernet Controller i210AT + i217LM	Dual LAN with Intel® Ethernet Controller i210AT	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA 4x USB 2.0 DOM power connector Supports 2.5" HDD/SSD via optional bracket	AST2400 VGA DOM power connector Optional front bezel cover; LCD option	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	2x 3.5" fixed SATA3 w/ RAID options	8x 2.5" SAS2/SATA3 Hot-swap Bays w/ RAID option	6x 2.5" hot-swap SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	N/A
Power Supply	350W Gold Level high-efficiency power supply	330W Gold Level high-efficiency power supply	1400W Platinum Level Digital high-efficiency power supply with I ² C & PMBus
Cooling System	2x 4cm counter-rotating PWM fan., Dual counter-rotating fans	3x 40x28mm PWM fan; 1x fans for AOC cooling	8x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 396mm (17.2" x 1.7" x 14.5")	1U Rackmount 437 x 43 x 507mm (17.2" x 1.7" x 19.98")	1U Rackmount 437 x 43 x 724mm (17.2" x 1.7" x 28.5")

* Please check with your Supermicro sales representative for compatibility

** LRDIMM only supported by E5-2600 v3



1U UP 2-GPU/Xeon Phi™

UP WIO

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MODEL	SuperServer® SYS-5017GR-TF	SuperServer® SYS-5017R-WRF	SuperServer® SYS-1017R-MTF
Processor Support	Single Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Single Intel® Xeon® Processor E5-2600/1600 and E5-2600/1600 v2 product families with QPI up to 8GT/s	Single Intel® Xeon® Processor E5-2600/1600 and E5-2600/1600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • GPU Server • Mission-critical applications • Enterprise server • Oil & gas applications • Financial, 3D rendering, chemistry applications • HPC, and mdical applications 	<ul style="list-style-type: none"> • Connectivity/storage computer nodes • Datacenter • Data farm, • Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> • HPC cluster computer nodes • Datacenter • Data farm • Front-end server and other computing intensive applications
Outstanding Features	Up to 2 GPU cards in 1U 3x 3.5" SATA drives 1400W Platinum Level Digital high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN	500W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN	330W Gold Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9SRG-F	SUPER® X9SRW-F	SUPER® X9SRi-F
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 support 2 double width GPU cards 1 PCI-E 3.0 x8 (low-profile)	2 PCI-E 3.0 x16 1 PCI-E 3.0 x8 (low-profile)	1 PCI-E 3.0 x16
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 1 SATA2 (3Gbps) ports; RAID 0,1,5	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1,10; RAID 0,1,5,10 (Windows) 2 SATA2 (3Gbps) ports; RAID 0,1,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 (Windows)
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	3x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SATA drive bays	8x 2.5" hot-swap SATA drive bays
Peripheral Bays	N/A	1 slim DVD ROM (optional)	1 slim DVD ROM (optional)
Power Supply	1400W Platinum Level Digital high-efficiency power supply with I ² C & PMBus	500W Redundant Platinum Level high-efficiency power supplies with PMBus	330W Gold Level high-efficiency power supply
Cooling System	8x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	3x 4cm heavy duty counter-rotating fans with optimal fan speed control	3x 4cm fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 716mm (17.2" x 1.7" x 28.2")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 508mm (17.2" x 1.7" x 19.98")

* Please check with your Supermicro sales representative for compatibility

** LRDIMM only supported by E5-2600 v3



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New!
WIO
Short Depth
3 add-on cards



MODEL	SuperServer® SYS-5017R-MTF SYS-5017R-MTRF	SuperServer® SYS-5017R-MF	SuperServer® SYS-1017R-WR
Processor Support	Single Intel® Xeon® Processor E5-2600 and E5-2600/1600 v2 product families with QPI up to 8GT/s	Single Intel® Xeon® Processor E5-2600/1600 and E5-2600/1600 v2 product families with QPI up to 8GT/s	Intel® Romley-EP LGA2011 Socket R2 E5-2600/1600 v2 family
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter Data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter Data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> GPU Computing
Outstanding Features	<ul style="list-style-type: none"> IPMI 2.0 + KVM with dedicated LAN -MTRF: 400W Redundant Gold Level high-efficiency power supplies (with optional Battery Backup (BBP™)) 	<ul style="list-style-type: none"> 350W Gold Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> Up to 3 add-on cards Full Height, Full Length Double-Width GPU support
Serverboard	SUPER● X9SRi-F	SUPER● X9SRi-F	SUPER● X9SRW-F
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16	2 x16 PCI-E 3.0, 1 x8 PCI-E 3.0 slot Full Height, Full Length Double-Width GPU support
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	4x USB 2.0 (rear), Serial 2x GbE port
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Dedicated IPMI 2.0 via BMC
Drive Bays	4x 3.5" hot-swap SATA drive bays	1x 3.5" fixed (or 2x 2.5" fixed with bracket, optional)	2x 2.5" internal fixed SATA3 bays w/ RAID
Peripheral Bays	1 slim DVD ROM (optional)	1 slim DVD ROM (optional)	N/A
Power Supply	-MTF: 350W Gold Level high-efficiency power supply; -MTRF: 400W Redundant Gold Level high-efficiency power supplies (with optional Battery Backup (PWS-206B-1R))	350W Gold Level high-efficiency power supply	Redundant 400W Gold Level power w/ BBP® option
Cooling System	4x 4cm fans with optimal fan speed control	2x 4cm fans with optimal fan speed control	4x 40mm cooling fans + 2x AOC cooling fans (option)
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.85")	1U Rackmount 437 x 43 x 369mm (17.2" x 1.7" x 14.55")	1U Rackmount Short-depth 437 x 43 x 429mm (17.2" x 1.7" x 16.9")

* Please check with your Supermicro sales representative for compatibility
** LRDIMM only supported by E5-2600 v3



**Embedded
Compact server appliance**



**Embedded
Low Power**



**Embedded
Low Power
Front I/O**



MODEL	SuperServer® SYS-5017K-N6	SuperServer® SYS-5018A-TN4	SuperServer® SYS-5018A-FTN4
Processor Support	Single socket FCBGA 1284; Intel® Pentium® B915C processor (15W, 1.5GHz, 3M, Gladden)	Intel® Atom™ Processor C2750	Intel® Atom™ Processor C2758
Key Applications	<ul style="list-style-type: none"> Space-efficient, compact design Fast to build and deploy Gateway, file-sharing, security 	<ul style="list-style-type: none"> Application and data serving, Automation, Cloud and Virtualization needs Corporate- WINS, DNS, Print, Login, e-Business, Embedded Applications, Hosting & Application delivery, Industrial Automation & Control, NAS Servers, Security SOHO Entry-Level Server, Web Server, Web Server for Small and Medium Business 	<ul style="list-style-type: none"> Application and data serving, Automation, Cloud and Virtualization needs Corporate- WINS, DNS, Print, Login, e-Business, Embedded Applications, Hosting & Application delivery, Industrial Automation & Control, NAS Servers, Security SOHO Entry-Level Server, Web Server, Web Server for Small and Medium Business
Outstanding Features	<ul style="list-style-type: none"> Single socket FCBGA 1284; Intel® Pentium® B915C processor (15W, 1.5GHz, 3M, Gladden) Intel® Communication Chipset 8903 200W Low-noise power supply w/ PFC 	<ul style="list-style-type: none"> 1 PCI-E x8 slot 200W Low-Noise power supply 4x 2.5" SATA drives Compact size chassis, cost-effective UP platform IPMI 2.0 + KVM with dedicated LAN Optimized for small business 	<ul style="list-style-type: none"> 1 PCI-E x8 slot 200W Low-Noise power supply 4x 2.5" SATA drives Compact size chassis, cost-effective UP platform IPMI 2.0 + KVM with dedicated LAN Optimized for small business Front I/O and Support Intel® QuickAssist Acceleration Technology
Serverboard	SUPER● X9SKV-B915	SUPER● A1SAi-2750F	SUPER● A1SRi-2758F
Chipset	Intel® Communication Chipset 8903	System on Chip	System on Chip
System Memory (Max.)*	Up to 32GB ECC DDR3 1600/1333MHz SODIMM in 4 DIMM slots	Up to 32GB ECC DDR3 1600/1333MHz SODIMM in 4 DIMM slots	Up to 32GB ECC DDR3 1600/1333MHz SODIMM in 4 DIMM slots
Expansion Slots	1x PCI-E 2.0 x8 slot via riser	1x PCI-E 2.0 x8 slot via riser card	1x PCI-E 2.0 x8 slot via riser card
Onboard Storage Controller	SoC SATA2 (3Gbps)	SoC controller for 4 SATA2 (3Gbps) ports; 2 SATA3 (6Gbps)	SoC controller for 4 SATA2 (3Gbps) ports; 2 SATA3 (6Gbps)
Connectivity	Dual port GbE LAN with 2 Intel® i210AT; Intel® i350AM4 quad port Programmable GbE LAN Bypass	Quad LAN with Marvell® Alaska® 88E1543	Quad LAN with Marvell® Alaska® 88E1543
VGA/Audio	N/A	AST2400 VGA 4x USB3.0, 2 x USB2.0	AST2400 VGA 4x USB3.0, 2 x USB2.0
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	2x 3.5" fixed HDD (no expansion slot), or 1x 3.5" fixed HDD (low profile slot only), or 4x 2.5" fixed HDD (no expansion slot), or 2x 2.5: fixed HDD (full height and half length)	2x 3.5" fixed HDD (no expansion slot), or 1x 3.5" fixed HDD (low profile slot only), or 4x 2.5" fixed HDD (no expansion slot), or 2x 2.5: fixed HDD (full height and half length)	2x 3.5" fixed HDD (no expansion slot), or 1x 3.5" fixed HDD (low profile slot only), or 4x 2.5" fixed HDD (no expansion slot), or 2x 2.5: fixed HDD (full height and half length)
Power Supply	200W Low Noise AC-DC power supply with PFC	200W Low-Noise AC-DC power supply with PFC	200W Low-Noise AC-DC power supply with PFC
Cooling System	Built-in passive CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan	Built-in CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan	Built-in CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan
Form Factor	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")

* Please check with your Supermicro sales representative for compatibility



Embedded
Compact server appliance

AVOTON Solution
Best for Entry Web Hosting
Low Power

Mainstream UP



MODEL	SuperServer® SYS-5017A-EF	SuperServer® SYS-5018A-MLTN4	SuperServer® SYS-5019S-MT
Processor Support	Single Atom S1260 (Centerton) SoC, 8.5W, 2C/4T	Intel® Atom™ Processor C2550	Intel® E3-1200 v5, Core i3 Gen 6, LGA1151 Socket H4
Key Applications	<ul style="list-style-type: none"> Embedded Applications 	<ul style="list-style-type: none"> Cloud and Virtualization needs, Cloud Computing, Corporate- WINS, DNS, Print, Login, Data Center, Database Applications, DataCenter Applications e-Business, Enterprise Server FireWall Applications, Gateway, provisioning servers, High End Enterprise Server, Server Appliance Virtualization Server Web Server, Web Server for Small and Medium Business 	<ul style="list-style-type: none"> Storage HN, VM, Hosting Server Compact File Server
Outstanding Features	<ul style="list-style-type: none"> Compact size chassis Cost effective UP platform SATA 3.0 (6Gbps) support Short-depth, space saving design 	<ul style="list-style-type: none"> 1 PCI-E x8 slot 2 Internal 3.5" SATA drive bays 200W low-power supply Compact size chassis Cost effective UP platform IPMI 2.0 + KVM with dedicated LAN SATA 3.0 (6Gbps) support Short-depth, space saving design 	<ul style="list-style-type: none"> 2x 10G Base-T LAN ports Intel Node Management Up to 4x hot-swap 3.5" SATA3 drives Optional slim optical drive or fixed internal 1x PCI-E add-on card slot Front USB 3.0 ports Quick Release Rails
Serverboard	SUPER® X9SBAA-F	SUPER® A1SAM-2550F	SUPER® X11SSH-TF
Chipset	System on Chip	System on Chip chipset	Intel® C236 Express Chipset
System Memory (Max.)*	Up to 8GB of single SODIMM Socket ECC DDR3-1333	Up to 64GB Unbuffered ECC/non-ECC, DDR3-1600MHz in 4 DIMM slots	Up to 4x ECC/non-ECC UDIMM slots, up to 64GB DDR4-2133MHz
Expansion Slots	1x PCI 32-bit 3.3V	1 PCI-E 2.0 x8 (FH/HL)	1x PCI-E 3.0 x8 (in x16) add-on card slot
Onboard Storage Controller	N/A	SoC controller for 4 SATA2 (3Gbps) ports; RAID 2 SATA3 (6Gbps);	Intel® C236 Express Chipset
Connectivity	Dual LAN with Intel® Ethernet Controller i350-AM2	Quad LAN with SoC	2x USB 2.0, USB 3.0(front/rear), VGA, Serial
VGA/Audio	Matrox G200eW 2 Fast UART 16550 Serial Port (1 via header and 1 at rear) DOM power connector support 1x VGA Port Others TPM 1.2 header 2x USB 3.0 ports (2 rear)	AST2400 VGA	Integrated video from Aspeed BMC
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI2.0; NMI; SuperDoctor V; Watchdog	Built-in Aspeed BMC with IPMI 2.0, KVM, and more
Drive Bays	2x 3.5" fixed or 4x 2.5" fixed SATA3 (optional)	2x 3.5" internal drive bays 4x 2.5" fixed SATA3 (optional)	Up to 4x hot-swap 3.5" SATA3 drives
Power Supply	200W Low Noise AC-DC power supply with PFC	200W Low Noise AC-DC power supply with PFC	330W high-efficiency power supply
Cooling System	Built-in passive CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan	1x 10cm 3,800 RPM PWM blower fan	4x 4cm chassis internal fan
Form Factor	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	1U rackmount 426x 43 x 356mm(16.8 " x 1.7" x 14")	1U rackmount 437 x 43 x 504mm (17.2 " x 1.7" x 19.85")

* Please check with your Supermicro sales representative for compatibility



AVOTON Solution
Mainstream
4-Core Atom



8-Core Atom Rangeley
Embedded
(QuickAssist)



MODEL	SuperServer® SYS-5018A-MLHN4	SuperServer® SYS-5018A-MHN4
Processor Support	Intel® Atom™ Processor C2550	Intel® Atom™ Processor C2758
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs, Cloud Computing, Corporate- WINS, DNS, Print, Login, Data Center, Database Applications, DataCenter Applications • e-Business, Enterprise Server • FireWall Applications, Gateway, provisioning servers, High End Enterprise Server, Server Appliance • Virtualization Server • Web Server, Web Server for Small and Medium Business 	<ul style="list-style-type: none"> • Cloud and Virtualization needs, Cloud Computing, Corporate- WINS, DNS, Print, Login, Data Center, Database Applications, DataCenter Applications • e-Business, Enterprise Server • FireWall Applications, Gateway, provisioning servers, High End Enterprise Server, Server Appliance • Virtualization Server • Web Server, Web Server for Small and Medium Business
Outstanding Features	<ul style="list-style-type: none"> • 1 PCI-E x8 slot • 200W low-power supply • 4 hot-swap 3.5" SATA/SAS Drive Bays • IPMI 2.0 + KVM with dedicated LAN • Optimized for Power Saving and Improved Cooling • SATA 3.0 (6Gbps) support 	<ul style="list-style-type: none"> • 1 PCI-E x8 slot • 200W low-power supply • 4 hot-swap 3.5" SATA/SAS Drive Bays • IPMI 2.0 + KVM with dedicated LAN • Optimized for Power Saving and Improved Cooling • SATA 3.0 (6Gbps) support
Serverboard	SUPER® A1SAM-2550F	SUPER® A1SRM-2758F
Chipset	System on Chip chipset	System on Chip chipset
System Memory (Max.)*	Up to 64GB ECC/non-ECC UDIMM, DDR3-1600MHz in 4 DIMM slots	Up to 64GB ECC/non-ECC UDIMM, DDR3-1600MHz in 4 DIMM slots
Expansion Slots	1 PCI-E 2.0 x8 (FH/HL)	1 PCI-E 2.0 x8 (FH/HL)
Onboard Storage Controller	SoC controller for 4 SATA2 (3Gbps) ports; RAID 2 SATA3 (6Gbps)	SoC controller for 4 SATA2 (3Gbps) ports; RAID 2 SATA3 (6Gbps);
Connectivity	Quad LAN with SoC	Quad LAN with Intel® C2000 SoC;
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI2.0; NMI; SuperDoctor V; Watchdog	IPMI2.0; NMI; SuperDoctor V; Watchdog
Drive Bays	4x 3.5" hot-swap SAS/SATA	4x 3.5" hot-swap SAS/SATA
Power Supply	200W Low Noise AC-DC power supply with PFC	200W Low Noise AC-DC power supply with PFC
Cooling System	2x 4cm high performance PWM fan	2x 4cm high performance PWM fan
Form Factor	1U rackmount 437 x 43 x 503mm (17.2 " x 1.7" x 19.85")	1U rackmount 437 x 43 x 503mm (17.2 " x 1.7" x 19.85")

* Please check with your Supermicro sales representative for compatibility



Cold Storage



**Big Data
Cost-Effective High-Density DataNode**



MODEL	SuperServer® SSG-5018A-A(R/S)12L	SuperServer® SSG-5017R-iHDP
Processor Support	Intel® Atom™ Processor C2750	Single Intel® 2nd & 3rd Generation Core™ i3 series Intel® Celeron®, Pentium®, E3-1200/E3-1200 v2 series in LGA 1155 socket
Key Applications	<ul style="list-style-type: none"> Storage Nodes 	<ul style="list-style-type: none"> Big Data Analytics Unstructured Data Storage
Outstanding Features	<ul style="list-style-type: none"> Hardware Drive Power Control 1 PCI-E 2.0 x4 (in x8 slot) 12x 3.5" data drives in 1U Cost optimized RAID: IT Mode only SATADOM for OS drive 	<ul style="list-style-type: none"> 12x 3.5" data drives in 1U Cost optimized High-density, Enterprise Performance, Cost-effective 650W Platinum Level high-efficiency power supply
Serverboard	SUPERMICRO® A1SA7-2750F	SUPERMICRO® X9SCFF-F
Chipset	System on Chip chipset	Intel® C204 PCH chipset
System Memory (Max.)*	Up to 64GB ECC/non-ECC UDIMM, DDR3-1600MHz in 4 DIMM slots, x8 data width	Up to 32GB Unbuffered ECC; in 4 DIMM slots
Expansion Slots	1 PCI-E 2.0 x4 (LP, HL, in x8 slot)	1 PCI-E 3.0 x8 (LP)
Onboard Storage Controller	IT Mode	Intel® C204 AHCI controller for 4 SATA2 (3Gbps) ports; 2 SATA3 (6Gbps) for RAID 0,1,5,10
Connectivity	Dual LAN with SoC	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA	BMC integrated Matrox G200
Management	IPMI2.0; NMI; SuperDoctor® 5; Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	12x 3.5" drive bay	12x 3.5" drive bay
Peripheral	N/A	N/A
Power Supply	400W Redundant Gold Level high-efficiency power supplies	650W Platinum Level high-efficiency power supply
Cooling System	6x 40x28mm PWM fan;	4x 40x56mm PWM fan; 4x 40x28mm PWM fan
Form Factor	1U Rackmount 437 x 43 x 813mm (17.2" x 1.7" x 32")	1U Rackmount 437 x 43 x 908mm (17.2" x 1.7" x 35.75")

* Please check with your Supermicro sales representative for compatibility



*Embedded Compact server or
standalone appliance
with Mini PCI-E UP*



Mainstream



MODEL	SuperServer® SYS-5017A-EP	SuperServer® SYS-1017C-TF
Processor Support	Single Intel® Atom™ N2800 (2 Core) processor support, NM10 bridge	Single Intel® Xeon® processor E3-1200 & E3-1200 v2 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket
Key Applications	<ul style="list-style-type: none"> • Embedded Applications • Hosting & Application delivery • Industrial Automation & Control 	<ul style="list-style-type: none"> • Cloud and other virtualization needs • Hosting & application delivery • Database processing & storage, simulation • Automation
Outstanding Features	<ul style="list-style-type: none"> • Compact size chassis • Cost effective UP platform • SATA 2.0 support • Short-depth, space saving design 	<ul style="list-style-type: none"> • Higher I/O performance & low-TCO mainstream server • Four 2.5" SATA drive bays • 1 PCI-E x8 slot • IPMI 2.0 + KVM with dedicated LAN • 330W Gold Level high-efficiency power supply
Serverboard	SUPER® X9SCAA	SUPER® X9SCL-F
Chipset	Intel® NM10 Express chipset	Intel® C202 PCH chipset
System Memory (Max.)*	Up to 4GB of Non-ECC DDR-1066 in 2 DIMM slots	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM slots
Expansion Slots	1x 32-bit PCI slot (5.0V) 1x Mini-PCI-E with mSATA	1 PCI-E 2.0 x8
Onboard Storage Controller	Intel® NM10 Express controller for 2 SATA2 (3Gbps) ports	Intel® 4 SATA (3Gbps) RAID 0,1,5,10 (Windows) Optional RAID 0,1,10 (Linux)
Connectivity	Dual LAN with Intel® 82574L Ethernet Controller	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers
VGA/Audio	Integrated Intel® GMA 3650 7.1 HD Audio	Nuvoton Graphics
Management	SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	2x 3.5" fixed SATA2 HDDs; 2x 2.5" HDDs (optional)	4x 2.5" hot-swap SATA drive bays
Peripheral	N/A	1 slim DVD-ROM drive (optional)
Power Supply	200W Low Noise AC-DC power supply with PFC	330W Gold Level high-efficiency power supply
Cooling System	Built-in passive CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan	3x 4cm heavy duty fans with optimal fan speed control
Form Factor	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	1U Rackmount 426 x 43 x 558mm (16.8" x 1.7" x 21.95")

* Please check with your Supermicro sales representative for compatibility



UP



UP



UP
6Gbps SATA3



MODEL	SuperServer® SYS-5017C-LF	SuperServer® SYS-5017C-MF	SuperServer® SYS-5017C-TF
Processor Support	Single Intel® Xeon® processor E3-1200 & E3-1200 v2 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket (Max. TDP ≤ 45W)	Single Intel® Xeon® processor E3-1200 & E3-1200 v2 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket	Single Intel® Xeon® processor E3-1200 & E3-1200 v2 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket
Key Applications	<ul style="list-style-type: none"> File server E-mail server Web server for small business and other server applications 	<ul style="list-style-type: none"> Client nodes Firewalls, web, email, file servers Clustering, NAS storage, and other space constrained applications 	<ul style="list-style-type: none"> File server E-mail server Web server for small business and other server applications
Outstanding Features	<ul style="list-style-type: none"> Optimized for server appliance 1 PCI-E x8 IPMI 2.0 + KVM with dedicated LAN Cost effective UP platform 200W low-power supply 	<ul style="list-style-type: none"> Compact size chassis Optimized for server appliance 350W Gold Level high-efficiency power supply Cost effective UP platform 	<ul style="list-style-type: none"> Optimized for server appliance SATA3 6Gbps support 350W Gold Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9SCL-F	SUPER® X9SCL-F	SUPER® X9SCM-F
Chipset	Intel® C202 PCH chipset	Intel® C202 PCH chipset	Intel® C204 PCH chipset
System Memory (Max.)*	32GB UDIMM* ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM slots	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM slots	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM slots
Expansion Slots	1 PCI-E 2.0 x8	1 PCI-E 2.0 x8	1 PCI-E 2.0 x8
Onboard Storage Controller	Intel® 2 SATA (3Gbps) RAID 0,1,5,10 (Windows) Optional RAID 0,1,10 (Linux)	Intel® 2 SATA (3Gbps) RAID 0,1,5 (Windows) Optional RAID 0,1,10 (Linux)	2 SATA3 (6Gbps) 4 SATA2 (3Gbps) RAID 0,1 (Windows) RAID 0,1 (Linux)
Connectivity	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers
VGA/Audio	Nuvoton Graphics	Nuvoton Graphics	Nuvoton Graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Optional 1x 3.5" SATA2 or 2x 2.5" SATA2 drive bays	Optional 2x 3.5" or 2.5" internal drive bay	2x 3.5" hot-swap SATA 3/2 drive bays
Peripheral Bays	N/A	Optional 1 slim DVD-ROM drive	Optional 1 slim DVD-ROM drive
Power Supply	200W low power supply	350W Gold Level high-efficiency power supply	350W Gold Level high-efficiency power supply
Cooling System	2x 4cm counter-rotating fans with optimal fan speed control	2x 4cm counter-rotating fans with optimal fan speed control	2 x 10cm high performance PWM blower fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 287mm (17.2" x 1.7" x 11.3")	Mini-1U Rackmount 437 x 43 x 369mm (17.2" x 1.7" x 14.5")	1U Rackmount 426 x 43 x 574mm (16.8" x 1.7" x 22.6")

* Please check with your Supermicro sales representative for compatibility



UP

UP



MODEL	SuperServer® SYS-5017C-MTF SYS-5017C-MTRF	SuperServer® SYS-5017C-URF	SuperServer® SYS-5017P-TLN4F SYS-5017P-TF
Processor Support	Single Intel® Xeon® processor E3-1200 & E3-1200 v2 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket	Single Intel® Xeon® processor E3-1200 & E3-1200 v2 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket	Single embedded 3rd Gen. Intel® Core i7-3612QE Mobile ECC processor (up to 3.1GHz, 6M Cache) and Core i5-3610ME (2.7GHz)
Key Applications	<ul style="list-style-type: none"> File server E-mail server Web server for small business and other server applications 	<ul style="list-style-type: none"> Gateway, provisioning servers Simulation and modeling Application and data serving High-performance computing 	<ul style="list-style-type: none"> Client nodes, firewalls, web, email, file servers, clustering, NAS storage, and other space constrained applications
Outstanding Features	<ul style="list-style-type: none"> Optimized for small business IPMI 2.0 + KVM with dedicated LAN Cost effective UP platform -MTRF: 400W Redundant Gold Level high-efficiency power supplies (with optional Battery Backup (BBP™)) 	<ul style="list-style-type: none"> Optimized for small business IPMI 2.0 + KVM with dedicated LAN Cost effective UP platform 500W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> Compact size chassis Optimized for server appliance Cost effective UP platform
Serverboard	SUPER® X9SCL-F	SUPER® X9SPU-F	-TLN4F: SUPER® X9SPV-LN4F-3QE -TF: SUPER® X9SPV-3610ME
Chipset	Intel® C202 PCH chipset	Intel® C216 Express PCH chipset	Intel® QM77 Chipset
System Memory (Max.)*	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM slots	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM slots	16GB UDIMM ECC Unb. DDR3 1333/1066/800 MHz So-DIMM in 2 DIMM slots
Expansion Slots	1 PCI-E 2.0 x8	1 PCI-E 3.0 x16, 2 PCI-E 2.0 x4 (in x8 slot); UIO	1x PCI-E 3.0 x16 slot
Onboard Storage Controller	Intel® 4 SATA (3Gbps) RAID 0,1,5,10 (Windows) Optional RAID 0,1,10 (Linux)	Intel® 4 SATA (3Gbps) RAID 0,1,5,10 (Windows) Optional RAID 0,1,10 (Linux)	4x SATA2 3Gbps w/ RAID 0, 1, 5, 10; 2x SATA3 6Gbps w/ RAID 0, 1
Connectivity	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers	Dual LAN with Intel® 82574L Gigabit Ethernet controller	Quad/Dual LAN with Intel® 82574L Gigabit Ethernet controllers 4x/2x Gigabit LAN ports
VGA/Audio	Nuvoton Graphics	Nuvoton Graphics	Intel HD 4000 Graphics ALC 889HD Audio
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SATA drive bays	2x 3.5" or 4x 2.5" internal SATA2 drive bays (optional)
Peripheral Bays	Optional 1 slim DVD-ROM drive	Optional 1 slim DVD-ROM drive	N/A
Power Supply	-MTF: 350W Gold Level high-efficiency power supply; -MTRF: 400W Redundant Gold Level high-efficiency power supplies (with optional Battery Backup (PWS-206B-1R))	500W Redundant Platinum Level high-efficiency power supplies	200W Low-noise power supply w/ PFC
Cooling System	4 x 4cm heavy duty with air shroud with optimal fan speed control	4 x 4cm heavy duty with air shroud with optimal fan speed control	1x 4cm cooling fan (optional)
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.85")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")



2U GPU/Xeon Phi™
Xeon Phi™/Tesla® Kepler Ready!



2U WIO
Platinum Level Power,
16 DIMMs, 6 PCI-E 3.0 x8



2U DCO
Platinum Level Power,
16 DIMMs, up to 4 AOCs
4 NVMe



MODEL	SuperServer® SYS-2028GR-TR(T) SYS-2028GR-TRH(T)	SuperServer® SYS-6028R-WTR SYS-6028R-WTRT	SuperServer® SYS-6028R-TDWNR
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> • 2D/3D and CAD Applications • 3D Rendering • Astrophysics • Chemistry • Cloud and Virtualization needs • Cloud Computing • Financial Analysis • High-performance computing • Oil & Gas 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Database Processing & Storage • Hosting & Application delivery • HPC cluster computer nodes • Simulation & Automation 	<ul style="list-style-type: none"> • Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Database Processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • Up to 6 PCI-E 3.0 x16 slots support 6 double-width GPU cards • 10x 2.5" SAS/SATA drive bays • 16 DIMM slots • GPU health monitoring with fan speed control • High-density, Enterprise Performance, Cost-effective 	<ul style="list-style-type: none"> • 2 SATA DOM support with built-in power • Redundant 740W Platinum Level high-efficiency power supplies • Supports 16 DIMM DDR4-2133MHz • Up to 6 add-on cards 	<ul style="list-style-type: none"> • Redundant 920W Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with Dedicated LAN • Supports 16 DIMM DDR4-2133MHz • Up to 4 add-on cards • NVMe Support
Serverboard	-TR/TRH: SUPER® X10DRG-H -TRT/TRHT: SUPER® X10DRG-HT	-WTR: SUPER® X10DRW-i -WTRT: SUPER® X10DRW-iT	SUPER® X10DDW-iN
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	-TR(T): 4x PCI-E 3.0 x16 slots (GPU/XeonPhi™ opt.); 1 x PCI-E 3.0 x8 (in x16) low profile slot; -TRH(T): 6x PCI-E 3.0 x16 slots (GPU/XeonPhi™ opt.); 1x PCI-E 3.0 x8 (in x16) low profile slot	6 PCI-E 3.0 x8 (2 FHFL, 2 FHHL, 2LP)	3 PCI-E 3.0 x8 (FH/FL) & 1 PCI-E 3.0 (LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 8 SATA3 (6Gbps) Ports; RAID 0,1,5,10
Connectivity	-TR/TRH: Dual LAN with Intel® i350 Gigabit Ethernet controller -TRT/TRHT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-WTR: Dual LAN with Intel® i350 Gigabit Ethernet Controllers; -WTRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	Dual LAN with Intel® i350 Gigabit Ethernet Controllers
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	10 x 2.5" hot-swap SAS/SATA drive bay	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" SATA + 4x 2.5" NVMe drive bay
Peripheral Bays	N/A	1 slim DVD-ROM drive (optional)	N/A
Power Supply	Redundant 2000W Platinum Level high-efficiency power supplies	Redundant 740W Platinum Level high-efficiency power supplies with i°C & PMBus	Redundant 920W Platinum Level high-efficiency power supplies with i°C & PMBus
Cooling System	5x 8cm heavy duty fans with optimal fan speed control	3x 8cm (7000 RPM) hot-swap PWM cooling fan	3x 80x80x38mm heavy duty counter-rotating fans with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 787mm (17.2" x 3.5" x 31")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Mainstream
2U SAS3/SATA3
Quad LAN, 24 DIMMs, 10GBase-T



Mainstream
8x SAS3 (12Gbps) and
8x SATA3 (6Gbps)



2U Remote Workstation



MODEL	SuperServer® SYS-2028R-C1R4+ SYS-2028R-C1RT4+	SuperServer® SYS-2028R-C1R SYS-2028R-C1RT	SuperServer® SYS-6028UX-TR4
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Application and data serving Compute Intensive Application Database Processing & Storage High Availability Storage Appliance Platform Hosting & Application delivery 	<ul style="list-style-type: none"> Application and data serving Business Critical Applications Compute Intensive Application Database Processing & Storage DataCenter Applications Mission-critical applications Simulation & Automation 	<ul style="list-style-type: none"> Remote Workstation Financial Market
Outstanding Features	<ul style="list-style-type: none"> 8x 2.5" SAS/8x 2.5" SATA drive bays 24 DIMM slots Redundant 920W Platinum Level high-efficiency Avago® 3108 controller for 8 SAS3 (12Gbps) hot-swappable 2.5" drives Up to 6 add-on cards 2 SATA DOM support with built-in power 	<ul style="list-style-type: none"> 8x SAS3 (12Gbps) and 8x SATA3 (6Gbps) 2.5" drives 2 SATA DOM support with embedded power 16 DIMM slots Redundant 920W Platinum Level high-efficiency Supports up to 7 expansion cards 	<ul style="list-style-type: none"> Up to 4 double width GPU cards Up to 12 hot-swap 3.5" HDD Optional SAS3 and NVMe support Flexible LAN port options
Serverboard	-C1R4+: SUPER® X10DRC-LN4+ -C1RT4+: SUPER® X10DRC-T4+	-C1R: SUPER® X10DRH-C -C1RT: SUPER® X10DRH-CT	SUPER® X10DRU-X
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16; 3 PCI-E 3.0 x8; 1 PCI-E 2.0 x4 (in x8 slot) low profile add on cards	1 PCI-E 3.0 x16; 6 PCI-E 3.0 x8 low profile add on cards.	3 PCI-E 3.0 x16 (FH, 10.5" length) 3 PCI-E 3.0 x8; (1x in x16 slot FH, 10.5" length, 1 low profile, 1 internal low profile)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 Avago® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; Avago® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; Optional 12 SAS3 drive support; Optional 4 NVMe drive support via 2x AOC-2UR8N4-I2XT
Connectivity	-C1R4+: Quad LAN with Intel® i350 Gigabit Ethernet Controllers; -C1RT4+: Quad 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-C1R: Dual LAN with Intel® i350 Gigabit Ethernet Controllers; -C1RT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	4 Gigabit Ethernet; 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" 12Gbps SAS3 and 8x 2.5" 6Gbps SATA3 (Total 16 hot-swap drives)	8x 2.5" SAS3 (12Gbps) and 8x 2.5" 6Gbps SATA3 (Total 16 hot-swap drives)	12 hot-swap 3.5" drives bays
Peripheral Bays	USB Support: Rear: 2x 3.0 + 2x 2.0; Front: 2x 2.0, 1x Type A, optional 1x 5.25" DVD-ROM drive; support either 1x slim or 1x 5.25" DVD drive	USB Support: Rear: 2x3.0 + 2x2.0, Front: 2x2.0, and 1x Type A; optional DVD-ROM drive; support either 1x slim or 1x 5.25" DVD drive	N/A
Power Supply	Redundant 920W Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 920W Platinum Level (94%) high efficiency power supplies	Redundant 1000W Titanium Level Digital high-efficiency power supply
Cooling System	3x 8cm high-performance PWM fans	3x 8cm high-performance PWM fans	4 heavy duty fans w/ Optimal Fan Speed Control; 1 Air Shroud
Form Factor	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 37 x 89 x 723.3mm (17.2" x 3.5" x 28.46")

* Please check with your Supermicro sales representative for compatibility



Cost-Optimized
DDR4 16x DIMMs,
2x LAN Ports, 6x Add-on Cards



I/O Optimized
2U 8-bay Hot-swap
3.5" HDDs w/ 16 DIMMs



UP WIO
Multiple AOC
Expansion Option



MODEL	SuperServer® SYS-6028R-T SYS-6028R-TT	SuperServer® SYS-6028R-TR SYS-6028R-TRT	SuperServer® SYS-5028R-WR
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Single Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Database Processing & Storage • Connectivity/Storage Computer Nodes • Data Warehouse
Outstanding Features	<ul style="list-style-type: none"> • 16 DIMM slots • 650W Gold Level high-efficiency power supply • IPMI 2.0 + KVM with dedicated LAN • 6x 3.5" hot-swap drive bays • 2 SATA DOM support with built-in power 	<ul style="list-style-type: none"> • 16 DIMM slots • Redundant 740W Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN • 8x 3.5" hot-swap SATA3 drive bays • 2 SATA DOM support with built-in power 	<ul style="list-style-type: none"> • 8x 3.5" Hot-swap SATA3 bays w/ RAID • Redundant 500W Platinum Level power • 5 PCI-E 3.0 x8 slots
Serverboard	-T: SUPER● X10DRi -TT: SUPER● X10DRi-T	-TR: SUPER● X10DRi -TRT: SUPER● X10DRi-T	SUPER● X10SRW-F
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 (LP) 3 PCI-E 3.0 x8 (LP)	3 PCI-E 3.0 x16 (LP) 3 PCI-E 3.0 x8 (LP)	5 PCI-E 3.0 x8 slots
Onboard Storage Controller	Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 8 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-T: Dual LAN with Intel® i350 Gigabit Ethernet controller; or -TT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-TR: Dual LAN with Intel® i350 Gigabit Ethernet controller; -TRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	2x GbE port, 1x dedicated IPMI port
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	6x 3.5" hot-swap drive bays	8x 3.5" hot-swap SATA3 drive bays	8x 3.5" Hot-swap SATA3 bays w/ RAID; optional fixed drive bays
Peripheral Bays	1 slim DVD/DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1x slim DVD-ROM drive bay 2x USB 2.0 ports (option)
Power Supply	650W high-efficiency power supply	Redundant 740W Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 500W Platinum Level power supplies optional BBP™ module support
Cooling System	4x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x middle cooling fans
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.6")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility

** LRDIMM only supported by E5-2600 v3



2U Storage
3x Avago® 3108 HW controller
Low Latency



2U Storage
3x Avago® 3008 IT Mode controller
Low Latency



2U UP Storage
SAS 3.0,
12x 3.5" hot-swap HDDs



MODEL	SuperStorage SSG-2028R-ACR24H	SuperStorage SSG-2028R-ACR24L	SuperStorage SSG-5028R-E1CR12L
Processor Support	Dual Intel® Xeon® Processor E5-2600/1600 v3 product families with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product families with QPI up to 9.6 GT/s	Single Intel® Xeon® Processor E5-2600/1600 v3 product families with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> High Performance NAS Servers Web Cache Corporate Database Database Processing & Storage HPC Large Database 	<ul style="list-style-type: none"> Corporate Database Database Processing & Storage HPC Large Database Web Cache 	<ul style="list-style-type: none"> Connectivity/Storage Computer Nodes Application and data serving High Availability Storage Appliance Platform
Outstanding Features	<ul style="list-style-type: none"> 145W CPU support 3x Avago® 3108 HW controller SAS3.0 (12Gbps) support 16 DIMM support DDR4-2133MHz 2x 10GBase-T Ports IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 145W CPU support 3x 3008 IT mode controller 16 DIMM support DDR4-2133MHz IPMI 2.0 + KVM with dedicated LAN SAS3.0 (12Gbps) support 2x 10GBase-T Ports 	<ul style="list-style-type: none"> Avago® 3008 controller onboard Remote management via dedicated IPMI BMC 12x 3.5" hot-swap SAS3 drive bays Dual JBOD expansion ports
Serverboard	SUPER● X10DRH-iT	SUPER● X10DRH-iT	SUPER● X10SRH-CLN4F
Chipset	Intel® C612 Express chipset	Intel® C612 Express chipset	Intel® C612 Express chipset
System Memory (Max.)*	1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots	1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8	4x PCI-E 3.0 (x8/4, x16/8, x8) + 2x PCI-E 2.0 (x8/4, x4/2); Slot 1 occupied by JBOD expansion port
Onboard Storage Controller	3x Avago® 3108 controller	3x AOC-S3008L-L8e	Avago® 3008 onboard controller IR mode
Connectivity	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	4x GbE port, 1x dedicated IPMI port
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS3/SATA3 drive bay w/ full SES-II support	24x 2.5" hot-swap SAS3/SATA3 drive bay w/ full SES-II support	12x 3.5" Hot-swap SAS3 Drive Bays 2x 2.5" optional hot-swap drive bays
Peripheral Bays	Optional 2x 2.5" Rear Hot-Swap Drive Bays	Optional 2x 2.5" Rear Hot-Swap Drive Bays	N/A
Power Supply	Redundant 920W Platinum Level Digital high-efficiency power supplies	Redundant 920W Platinum Level Digital high-efficiency power supplies	Redundant 920W Platinum Level Digital high-efficiency power supplies
Cooling System	3x cooling fans	3x cooling fans	3x cooling fans
Form Factor	2U Rackmount	2U Rackmount	2U Rackmount 437 x 89 x 648mm (17.2"x3.5"x25.6")

* Please check with your Supermicro sales representative for compatibility

** LRDIMM only supported by E5-2600 v3

New!

2U Storage
High Availability Storage
Platform



New!

2U Storage
X10 SAS3 HW RAID controller
Storage Expandable



2U Storage

X10 SAS3 HW RAID controller
Storage Expandable



2U Storage
Storage Expandable



SSG-2028R-DE2CR24L	SSG-6028R-E1CR12T	SSG-6028R-E1CR12N	SSG-6028R-E1CR12H SSG-6028R-E1CR12L
Dual Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Dual Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Dual Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Dual Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s
<ul style="list-style-type: none"> High Availability Storage Appliance Platform 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN
<ul style="list-style-type: none"> Redundant DP SBB supporting 24x 2.5" HDD Intel® X540 Dual port 10GBase-T Dual JBOD Expansion Ports NV-DIMM support Up to 3 add-on cards Redundant 920W Platinum Level (94%+) Power Supplies 	<ul style="list-style-type: none"> Onboard LSI 3108 SAS3 HW RAID controller 12x 3.5" hot-swap SAS3/SATA3 drive bays Supports dual 145W Haswell CPU Supports 16 DIMM DDR4 up to 2133MHz Dual 10G BaseT Redundant 920W Platinum Level (94%+) Power Supplies 	<ul style="list-style-type: none"> Avago® 3108 SAS3 HW RAID controller 2x 3.5" SAS3/SATA3 drive bays 145W CPU support 24 DIMM slots 4x 10G BaseT Dual JBOD Expansion Ports Redundant 920W Platinum Level high efficiency power supplies 	<ul style="list-style-type: none"> -E1CR12H: Avago® 3108 SAS3 HW RAID controller -E1CR12L: X10 SAS3 IT mode controller 12x 3.5" SAS3/SATA3 drive bays 145W CPU support 16 DIMM slots Dual 10G BaseT Dual JBOD Expansion Ports Redundant 920W Platinum Level high efficiency power supplies
SUPER●	SUPER●X10DRH-CT	SUPER●X10DRi-T4+	SUPER●X10DRH-iT
Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
Up to 256GB Registered ECC, DDR4-2133MHz in 8 DIMM slots	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
3 PCI-E 3.0 x8 Low profile expansion slots per controller	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD Expansion Port	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD expansion port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD expansion port
Avago® 3008 SAS controller	Avago® 3108 SAS3 onboard controller card	Avago® 3108 SAS3 add-on controller card	-E1CR12H: Avago® 3108 SAS3 HW RAID controller -E1CR12L: X10 SAS3 IT mode controller
Dual LAN with 10GBase-T with Intel® X540 10GbE Controller per node 1Gb private Ethernet between controller nodes	Dual 10GBase-T with Intel® X540 10GbE Controller	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller
AST2400 VGA	AST2400 VGA	AST2400 VGA	AST2400 VGA
IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
24x 2.5" hot-swap SAS drive bay with SES2	12x 3.5" hot-swap SAS3/SATA3 drive bay	12x 3.5" hot-swap SAS3/SATA3 drive bay; optional 2x 2.5" internal fixed drive bay	12x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay
N/A	2x 2.5" optional rear hot-swap drive bay	N/A	N/A
Redundant 920W Platinum Level high-efficiency power supplies with I/C and PMBus	920W Redundant Platinum Level high-efficiency power supplies with I2C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I/C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I/C & PMBus
8x 4cm PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans
2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 23.5")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")



New!
2U Storage
16x 3.5" SAS3
w/ HW RAID controller,
Storage Expandable



New!
2U Storage
48 Bay NVMe Drive



New!
2U Storage
48 Bay SAS3
Storage Expandable



MODEL	SSG-6028R-E1CR16T	SSG-2028R-NR48N	SSG-2028R-E1CR48N SSG-2028R-E1CR48L
Processor Support	Dual Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Dual Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Dual Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> Avago® 3108 SAS3 HW RAID controller 16x 3.5" Hot-swap SAS3 bays Supports dual 145W Haswell CPU 16 DIMM support Dual 10G BaseT 1280W Platinum Level redundant high-efficiency power supplies 	<ul style="list-style-type: none"> 48x 2.5" NVMe Drive in 2U Form Factor Supports dual 145W Haswell CPU 24 DIMM sockets Support SIOM Card for Multiple IO Option Redundant 1600W Titanium Level high-efficiency power supplies 	<ul style="list-style-type: none"> 48x 2.5" Drive in 2U Form Factor -E1CR48N: Onboard Avago® 3108 SAS3 HW RAID controller; -E1CR48L: Onboard Avago® 3008 SAS3 IT Mode controller Supports dual 145W Haswell CPU 24 DIMM sockets Support SIOM Card for Multiple IO Option Redundant 1600W Titanium Level high-efficiency power supplies
Serverboard	SUPER●X10DRH-CT	SUPER●X10DSC+	SUPER●X10DSC+
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 occupied by controller	2 PCI-E 3.0 x16 1 PCI-E 3.0 x8	2 PCI-E 3.0 x16 1 PCI-E 3.0 x8
Onboard Storage Controller	Avago® 3108 SAS3 onboard controller	Onboard NVMe controller	-E1CR48N: Avago® 3108 SAS3 add-on controller card; -E1CR48L: Avago® 3008 SAS3 add-on controller card
Connectivity	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	SIOM card for multiple IO option.	SIOM card for multiple IO option.
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	16x 3.5" hot-swap SAS3/SATA3 drive bays	48x 2.5" hot-swap NVMe SAS3/SATA3 drive bays	48x 2.5" hot-swap SAS3/SATA3 drive bays
Peripheral Bays	2x 2.5" optional rear hot-swap drive bays	2x 2.5" optional rear hot-swap drive bays	2x 2.5" optional rear hot-swap drive bays
Power Supply	1280W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus	1600W Redundant Titanium Level high-efficiency power supplies with iFC & PMBus	1600W Redundant Titanium Level high-efficiency power supplies with iFC & PMBus
Cooling System	4x 8cm hot-swap redundant PWM cooling fans	5x 8cm hot-swap redundant PWM cooling fans	5x 8cm hot-swap redundant PWM cooling fans
Form Factor	2U Rackmount 437 x 89 x 705mm (17.2" x 3.5" x 27.5")	2U Rackmount 437 x 89 x 684mm (17.2" x 3.5" x 30")	2U Rackmount 437 x 89 x 684mm (17.2" x 3.5" x 27.5")



2U Storage
X10 SAS3 HW RAID controller
Storage Expandable



2U Storage
X10 SAS3 HW RAID controller
Storage Expandable



2U Storage
X10 SAS3 IT mode controller
Storage Expandable



MODEL	SSG-2028R-E1CR24N	SSG-2028R-E1CR24H	SSG-2028R-E1CR24L
Processor Support	Dual Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Dual Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Dual Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> Avago® 3108 SAS3 HW RAID controller 24x 2.5" Hot-swap SAS3 bays 145W CPU support 24 DIMM slots Quad 10GBase-T Ports Dual JBOD Expansion Ports 920W Redundant Platinum Level high-efficiency 	<ul style="list-style-type: none"> Avago® 3108 SAS3 HW RAID controller 24x 2.5" Hot-swap SAS3 bays 145W CPU support 16 DIMM slots Dual 10GBase-T Dual JBOD Expansion Ports 920W Redundant Platinum Level high-efficiency 	<ul style="list-style-type: none"> X10 SAS3 IT mode controller 24x 2.5" Hot-swap SAS3 bays 145W CPU support 16 DIMM slots Dual 10GBase-T Ports Dual JBOD Expansion Ports 920W Redundant Platinum Level high-efficiency
Serverboard	SUPER® X10DRi-T4+	SUPER® X10DRH-iT	SUPER® X10DRH-iT
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD expansion port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD expansion port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD expansion port
Onboard Storage Controller	Avago® 3108 SAS3 add-on controller card	Avago® 3108 SAS3 add-on controller card	Avago® 3008 SAS3 add-on controller card
Connectivity	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS3/SATA3 drive bay; optional 2x 2.5" internal fixed drive bay	24x 2.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	24x 2.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay
Peripheral Bays	N/A	N/A	N/A
Power Supply	Redundant 1000W Titanium / 920W Platinum Level high-efficiency power supplies with iPC and PMBus	Redundant 1000W Titanium / 920W Platinum Level high-efficiency power supplies with iPC and PMBus	Redundant 1000W Titanium / 920W Platinum Level high-efficiency power supplies with iPC and PMBus
Cooling System	3x 8cm hot-swap redundant PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans
Form Factor	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")



New!
Embedded
Compact Mini Tower
3 Independent Displays



Embedded
Compact Mini Tower
Atom Appliance



Embedded
Compact Mini Tower
Xeon® D-1540, 8-Core, 45W
Dual 10GbE LAN and Dual GbE



MODEL	SYS-5028L-TN2	SYS-5028A-TN4	SYS-5028D-TN4T
Processor Support	Intel® Xeon® E3-1200 v3 and Core i7/i5/i3	Intel® Atom™ Processor C2758	Intel® Xeon® processor D-1540
Key Applications	<ul style="list-style-type: none"> Compact Cloud Server Database Processing & Storage High Performance NAS Servers Business Intelligence Security Appliance and Video Surveillance Web Server for Small and Medium Business 	<ul style="list-style-type: none"> Embedded Applications Cloud and Virtualization needs NAS Servers SOHO Entry-Level Server Corporate- WINS, DNS, Print, Login e-Business 	<ul style="list-style-type: none"> Network Security Appliance Compact Cloud Server High Performance NAS Servers Virtualization Server Business Critical Applications Web Server for Small and Medium Business
Outstanding Features	<ul style="list-style-type: none"> Up to 4 Hot-Swap 3.5" SATA3 HDD and 2 internal 2.5" fixed HDD DP, HDMI and DVI-I: 3 independent displays 2x Gigabit LAN ports TPM 1.2 Headers Up to 16GB DDR3 non-ECC 1600MHz SODIMM 1x PCI-E 3.0 x16 slot 	<ul style="list-style-type: none"> 8-Core Atom Rangelong Long Life Compact Mini Tower 4x 3.5" SATA Hot Swap Tray and 2 x2.5" internal HDD bay Support up to 64G ECC SODIMM One low profile expansion slot for PCI-E2.0x8 	<ul style="list-style-type: none"> Intel® Xeon® processor D-1540, Single socket FCBGA 1667; 8-Core, 45W 2x Gigabit + 2x 10G LAN ports Up to 4 Hot-Swap 3.5" SATA3 HDD and 2 internal 2.5" fixed HDD Up to 128GB ECC RDIMM DDR4 2133MHz or 64GB ECC/non-ECC UDIMM in 4 sockets 1x Low Profile PCI-E 3.0 x16 and 1x M.2 PCI-E 3.0 x4, M Key 2242/2280 IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPERMICRO® X10SLV-Q	SUPERMICRO® A1SRi-2758F	SUPERMICRO® X10SDV-TLN4F
Chipset	Intel® Q87 chipset	Intel Atom C2758	System on Chip chipset
System Memory (Max.)*	16 GB, DDR3-1600MHz non-ECC in 2x 204-pin SODIMM	Up to 64 GB ECC SODIMM 4 DIMM slots	128GB Registered ECC, DDR4-2133MHz or 64GB Unbuffered ECC/non-ECC, DDR4-2133MHz in 4 DIMM slots
Expansion Slots	1x PCI-E 3.0 x16 slot 1x Mini-PCI-E w/ mSATA support	1 PCI-E 2.0 x8	1 PCI-E 3.0 x16 (Low Profile) 1 M.2 PCI-E 3.0 x4 M Key 2242/2280
Onboard Storage Controller	On board controller for 4x SATA 3.0 ports (6Gbps) with RAID 0,1,5,10	SoC controller for 4 SATA2 (3 Gbps) ports; RAID 2SATA3 (6 Gbps)	SoC controller for 6 SATA3 (6 Gbps) ports
Connectivity	2x USB 3.0 ports (rear) 4x USB 2.0 ports (2 rear, 2 front via headers) 2x RJ45 Gigabit Ethernet LAN ports	Quad LAN with Intel® C2000 SoC	2x USB 3.0 ports (rear) 2x USB 2.0 ports (front panel)
VGA/Audio	Intel HD 4600 Graphics, Processor Graphic -1x DisplayPort, 1x HDMI, 1x DVI-I, 3 Independent Displays ALC 888S HD Audio	AST2400 VGA	AST2400 VGA
Management	Intel® Node Manager, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SAS/SATA 2x 2.5" fixed drive bay	4x 3.5" SATA Hot Swap Tray and 2 x2.5" internal HDD bay	4x 3.5" hot-swap SAS/SATA 2x 2.5" fixed drive bay
Peripheral Bays	1x slim DVD-ROM drive bay	1x slim DVD-ROM drive bay	1x slim DVD-ROM drive bay
Power Supply	1U 250W Flex ATX Multi-output Bronze power supply	1U 250W Flex ATX Multi-output Bronze power supply	1U 250W Flex ATX Multi-output Bronze power supply
Cooling System	1x 12cm rear exhaust fan 1x Active CPU cooler	1x 12cm rear exhaust fan	1x 12cm rear exhaust fan 1x Active CPU cooler
Form Factor	Mini-Tower 210 x 240 x 279.4mm (8.27" x 9.45" x 11")	Mini-Tower 210 x 240 x 279.4mm (8.27" x 9.45" x 11")	Mini-Tower 210 x 240 x 279.4mm (8.27" x 9.45" x 11")

* Please check with your Supermicro sales representative for compatibility

EX DP

32 DIMMs, 2U, 2 Node,
Dual E7-8800/4800/2800 v2
(15-Core)



EX DP

32 DIMMs, 2U, 2 Node,
Dual E7-8800/4800/2800 v2
(15-Core)



MODEL	SuperServer® SYS-2028UT-BC1NRT	SuperServer® SYS-2028UT-BTNRT
Processor Support	Dual Intel Xeon Processor E7-8800 / 4800 / 2800 v2 (Ivy Bridge-EX) product families with QPI up to 8GT/s	Dual Intel Xeon Processor E7-8800 / 4800 / 2800 v2 (Ivy Bridge-EX) product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> High-performance computing HPC Virtualization 	<ul style="list-style-type: none"> High-performance computing HPC Virtualization
Outstanding Features	<ul style="list-style-type: none"> 2 hot swappable nodes in 2U 2x 10GBase-T Ports IPMI 2.0 + KVM with dedicated LAN Avago® 3108 controller for 8 SAS3 (12 Gbps) hot-swappable drives Micro LP PCI-E 2.0 x 8 	<ul style="list-style-type: none"> 2 hot swappable nodes in 2U 2x 10GBase-T Ports IPMI 2.0 + KVM with dedicated LAN Micro LP PCI-E 2.0 x 8
Serverboard	SUPER® X10DBT-T	SUPER® X10DBT-T
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 2TB ECC LRDIMM DDR3, 1600MHz in 32 DIMM slots	Up to 2TB ECC LRDIMM DDR3, 1600MHz in 32 DIMM slots
Expansion Slots	2x PCI-E 3.0 x16 FH/HL 1x PCI-E 3.0 x8 MicroLP card	2x PCI-E 3.0 x16 FH/HL 1x PCI-E 3.0 x8 MicroLP card
Onboard Storage Controller	Twin set of Avago® 3108 SAS3 (12Gbps); RAID 0,1,5,6,10,50	
Connectivity	Dual 10GBase-T ports with Intel® X540 controller	Dual 10GBase-T ports with Intel® X540 controller
VGA/Audio	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	2x NVMe drive bays; 8x 2.5" hot-swap SATA3 HDD bays	2x NVMe drive bays; 8x 2.5" hot-swap SATA3 HDD bays
Peripheral Bays	N/A	N/A
Power Supply	1280W Redundant Platinum Level Digital (95%+) high-efficiency power supplies	1280W Redundant Platinum Level Digital (95%+) high-efficiency power supplies
Cooling System	4x 8cm PWM fans	4x 8cm PWM fans
Form Factor	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")

* Please check with your Supermicro sales representative for compatibility



2U 6-GPU/Xeon Phi™

2U 4-GPU/Xeon Phi™

2U 4-GPU/Xeon Phi™



MODEL	SuperServer® SYS-2027GR-TRFH SYS-2027GR-TRFHT	SuperServer® SYS-2027GR-TRF SYS-2027GR-TRFT	SuperServer® SYS-2027GR-TR2 SYS-2027GR-TRT2
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> GPU/Xeon Phi™ Server Mission-critical application Enterprise server Large database, e-business, on-line transaction processing Oil & gas, and medical application 	<ul style="list-style-type: none"> GPU/Xeon Phi™ Server Mission-critical application Enterprise server Large database, e-business, on-line transaction processing Oil & gas, and medical application 	<ul style="list-style-type: none"> 2D/3D and CAD Applications 3D Rendering, Astrophysics, Chemistry Cloud and Virtualization needs Cloud Computing Financial Analysis High-performance computing Oil & Gas
Outstanding Features	<ul style="list-style-type: none"> Up to 6 GPU/Xeon Phi™ cards in 2U 10x 2.5" SATA drives GPU/Xeon Phi™ health monitoring with fan speed control 1800W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> Up to 4 GPU or Xeon Phi™ cards in 2U 10x 2.5" SATA drives GPU/Xeon Phi™ health monitoring with fan speed control 1800W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> 10x 2.5" SAS/SATA drive bays 130W CPU support 16 DIMM slots GPU health monitoring with fan speed control High-density, Enterprise Performance, Cost-effective
Serverboard	-TRFH: SUPER● X9DRG-HF -TRFHT: SUPER● X9DRG-HTF	-TRF: SUPER● X9DRG-HF -TRFT: SUPER● X9DRG-HTF	-TR2: SUPER● X9DRG-HF+II -TRT2: SUPER● X9DRG-HTF+II
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	6 PCI-E 3.0 x16 support 6 double width GPU/Xeon Phi™ cards 1 PCI-E 3.0 x8 (in x16 low-profile)	4 PCI-E 3.0 x16 support 4 double width GPU/Xeon Phi™ cards 1 PCI-E 3.0 x8 (in x16 low-profile) 1 PCI-E 2.0 x4 (in x16 FHFL)	4 PCI-E x16 slots (GPU/Xeon Phi™ opt.); 1 PCI-E x8 (in x16) low profile slot; 1 PCI-E x4 (in x16)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,10	Intel® C602 AHCI controller for 4 SATA2 (3 Gbps) ports; RAID 2SATA3 (6 Gbps)0,1,10; Intel® C602 SCU controller for 4 SATA2 (3 Gbps) ports; RAID 0,1,10
Connectivity	-TRFHT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors -TRFH: Dual LAN with Intel® i350 Gigabit Ethernet controller	-TRFT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors -TRF: Dual LAN with Intel® i350 Gigabit Ethernet controller	-TR2: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -TRT2: Dual 10GBase-T ports with Intel® X540 controller
VGA/Audio	Matrox® G200eW graphic	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	10x 2.5" hot-swap SATA drive bays	10x 2.5" hot-swap SATA drive bays	10x 2.5" hot-swap SATA drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1800W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1800W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1600W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	5x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	5x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	5x 8cm heavy duty fans with intelligent cooling fan speed control
Form Factor	2U Rackmount 437 x 89 x 775mm (17.2" x 3.5" x 30.5")	2U Rackmount 437 x 89 x 775mm (17.2" x 3.5" x 30.5")	2U Rackmount 437 x 89 x 787mm (17.2" x 3.5" x 31")

* Please check with your Supermicro sales representative for compatibility



2U 4-GPU/Xeon Phi™



**WIO+
SAS2 HW RAID /
10GbE SFP+**



**WIO+
SAS2 HW RAID
10GbE SFP+**



MODEL	SuperServer® SYS-2027GR-TSF	SuperServer® SYS-6027R-72RFTP+	SuperServer® SYS-2027R-72RFTP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 v2 family with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Big Data Analytics • Chemistry • Cloud Computing • High-performance computing • HPC cluster computer nodes • Oil & Gas 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Compute Intensive Storage Environments • Database Processing & Storage • Enterprise Server • Front-end Server and other Computing Intensive Applications 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Compute Intensive Storage Environments • Database Processing & Storage • Enterprise Server • Front-end Server and other Computing Intensive Applications
Outstanding Features	<ul style="list-style-type: none"> • 10x 2.5" SAS/SATA drive bays • 1800W Platinum Level high-efficiency power supply • Up to 4 PCI-E 3.0 x16 slots support 4 double-width GPU cards in 2U 	<ul style="list-style-type: none"> • 10x 3.5" SAS/SATA drive bays • 24 DIMM slots • 2x 10G SFP+ & 2x 1G LAN ports • Avago® 2208 controller onboard • Up to 5 add-on cards 	<ul style="list-style-type: none"> • 16x 2.5" SAS/SATA drive bays • 24 DIMM slots • 2x 10G SFP+ & 2x 1G LAN ports • Avago® 2208 controller onboard • Up to 5 add-on cards
Serverboard	SUPER® X9DRG-HF	SUPER® X9DRW-7TPF+	SUPER® X9DRW-7TPF+
Chipset	Intel® C602 chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 support 4 double width GPU/Xeon Phi™ cards 1 PCI-E 3.0 x8 (in x16 low-profile) 1 PCI-E 2.0 x4 (in x16 FHFL)	Riser card support: Left side - 1 PCI-E 3.0 x16 (FH, 16.5"L), 2 PCI-E 3.0 x8 slots; Right side - 2 PCI-E 3.0 x8 slots	Riser card support: Left side - 1 PCI-E 3.0 x16 (FH, 16.5"L), 2 PCI-E 3.0 x8 slots; Right side - 2 PCI-E 3.0 x8 slots
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,10	Avago® 2208 controller for 8 SAS2 (6Gbps) ports; HW RAID 0, 1, 5, 6, 10; 1GB DDR3 cache (1333MHz); Intel® C602J AHCI controller for 2 SATA3 (6Gbps) ports	Avago® 2208 controller for 8 SAS2 (6Gbps) ports; HW RAID 0, 1, 5, 6, 10; 1GB DDR3 cache (1333MHz); Intel® C602J AHCI controller for 2 SATA3 (6Gbps) ports
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet Controller, Intel® 82599ES 10 Gigabit Ethernet w/ SFP+	Dual LAN Intel® i350 Gigabit Ethernet Controller, Intel® 82599ES 10 Gigabit Ethernet w/ SFP+
VGA/Audio	Matrox® G200eW graphics	Matrox G200eW graphics	Matrox G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0, KVM/media over LAN with dedicated LAN port SuperDoctor III; Watchdog;	IPMI 2.0, KVM/media over LAN with dedicated LAN port SuperDoctor III; Watchdog
Drive Bays	10x 2.5" hot-swap SATA drive bays	10x 3.5" hot-swap SAS/SATA Drive Bays	16x 2.5" hot-swap SAS/SATA Drive Bays, 1x 5.25" drive bay
Peripheral Bays	N/A	1x slim DVD-ROM drive (optional); 1x USB + COM port tray (optional)	1x slim DVD-ROM drive (optional); 1x USB + COM port tray (optional)
Power Supply	1800W Platinum Level high-efficiency power supply with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with PMBus & Quiet Mode	920W Redundant Platinum Level high-efficiency power supplies with PMBus & Quiet Mode
Cooling System	5x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	4x 80mm high-performance fan; Air shroud with optimal fan speed control	4x 80mm high-performance fan; Air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 775mm (17.2"x 3.5" x 30.5")	2U Rackmount 437 x 89 x 705mm (17.2"x 3.5" x 27.75")	2U Rackmount 437 x 89 x 684mm (17.2"x 3.5" x 26.93")



WIO+



WIO+



MODEL	SuperServer® SYS-6027R-N3RFT+ SYS-6027R-N3RF4+	SuperServer® SYS-2027R-N3RFT+ SYS-2027R-N3RF4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Data Center • Front-end Server and other Computing Intensive Applications • HPC
Outstanding Features	<ul style="list-style-type: none"> • Dual Intel® 10Gb Ethernet 10GBase-T ports (-N3RFT+) • 920W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • Dual Intel® 10Gb Ethernet 10GBase-T ports (-N3RFT+) • 920W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	-N3RFT+: SUPER® X9DRW-3TF+ -N3RF4+: SUPER® X9DRW-3LN4F+	-N3RFT+: SUPER® X9DRW-3TF+ -N3RF4+: SUPER® X9DRW-3LN4F+
Chipset	Intel® C606 chipset	Intel® C606 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	Right slot: 2 PCI-E 3.0 x8 (LP/6.6L) Left slot: 2 PCI-E 3.0 x16 (1 FH/16.5"L, 1 FH 10"L); 2 PCI-E 3.0 x8 (1 FH/16.5"L, 1FH/6.6"L)	Right slot: 2 PCI-E 3.0 x8 (LP/6.6L) Left slot: 2 PCI-E 3.0 x16 (1 FH/16.5"L, 1 FH 10"L); 2 PCI-E 3.0 x8 (1 FH/16.5"L, 1FH/6.6"L)
Onboard Storage Controller	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10 2 SATA3 (6Gbps) ports; RAID 0,1,10	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10 2 SATA3 (6Gbps) ports; RAID 0,1,10
Connectivity	-N3RFT+: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors; Dual LAN with Intel® i350 Gigabit Ethernet controller -N3RF4+: Quad LAN with dual Intel® i350 Gigabit Ethernet controller	-N3RFT+: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors; Dual LAN with Intel® i350 Gigabit Ethernet controller -N3RF4+: Quad LAN with dual Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200ew graphics	Matrox® G200ew graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	10x 3.5" hot-swap SAS/SATA drive bays	16x 2.5" hot-swap SAS/SATA drive bay 1x 5.25" drive bay
Peripheral Bays	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	4x 8cm hot-swap cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 705mm (17.2"x 3.5" x 27.75")	2U Rackmount 437 x 89 x 684mm (17.2"x 3.5" x 26.93")

* Please check with your Supermicro sales representative for compatibility



MODEL	SuperServer® SYS-6027R-N3RF	SuperServer® SYS-2027R-WRF	SuperServer® SYS-6027R-WRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9DRW-3F	SUPER● X9DRW-iF	SUPER● X9DRW-iF
Chipset	Intel® C606 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Left slot: 4 PCI-E 3.0 x8 (2 FH/13.5"L, 2FH/6.6"L)	Left slot: 4 PCI-E 3.0 x8 (2 FH/13.5"L, 2FH/6.6"L)	Left slot: 4 PCI-E 3.0 x8 (2 FH/13.5"L, 2FH/6.6"L)
Onboard Storage Controller	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10	Ready for SAS/SATA add-on card	Ready for SAS/SATA add-on card
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200ew graphics	Matrox® G200eW graphics	Matrox® G200ew graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SAS/SATA drive bays	16x 2.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)
Power Supply	740W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 684mm (17.2" x 3.5" x 26.93")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



24 DIMM DCO
Data Center Optimized



Data Center Optimized



MODEL	SuperServer® SYS-6027R-CDNRT+	SuperServer® SYS-6027R-TDARF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Big Data Analytics • Cloud and Virtualization needs • Cloud Computing • Compute Intensive Application • Data Center • HPC • Virtualization 	<ul style="list-style-type: none"> • Data Center • HPC • Enterprise Server • Compute Intensive Storage Environments
Outstanding Features	<ul style="list-style-type: none"> • 920W Redundant Platinum Level high-efficiency power supplies • 24 DIMM slots • 2x 10GBase-T Ports • Up to 4 add-on cards • IPMI 2.0 + KVM with dedicated LAN • NVMe Support 	<ul style="list-style-type: none"> • Optimized for Power Saving and Improved Cooling • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9DRD-CNT+	SUPER● X9DRD-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 (FHHL) 2 PCI-E 3.0 x8 (FHHL) 1 PCI-E 3.0 x8 Low-Profile	1 PCI-E 3.0 x16 (low-profile) 4 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	Avago® 3108 SAS3 (12Gbps) HW RAID controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60; 2GB DDR3 Cache	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® X540 10GBase-T Ethernet controller Matrox® G200ew graphics	Dual LAN with Intel® i350 Gigabit Ethernet controller Matrox® G200ew graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" SATA/SAS + 4x 2.5" NVMe drive bay	8x 3.5" hot-swap SATA HDD bays
Peripheral Bays	N/A	1 slim DVD-ROM drive (optional)
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I2C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I²C and PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Data Center Optimized



Mainstream



MODEL	SuperServer® SYS-6027R-73DAR	SuperServer® SYS-6027R-3RF4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Data Center • HPC • Enterprise Server • Compute Intensive Storage Environments 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • Optimized for Power Saving and Improved Cooling • 740W Redundant Platinum Level high-efficiency power supplies • 4 LAN ports • IPMI 2.0 + KVM with dedicated LAN • Avago® 2308 controller for 8 SAS2 ports 	<ul style="list-style-type: none"> • 24 DIMM slots • SAS support • 4 LAN ports • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DRD-7LN4F	SUPER® X9DR3-LN4F+
Chipset	Intel® C602J chipset	Intel® C606 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	6 PCI-E 3.0 x8 (low-profile)	4 PCI-E 3.0 x16 (low-profile) 1 PCI-E 3.0 x8 (low-profile) 1 PCI-E 3.0 x4 (in x8 low-profile)
Onboard Storage Controller	Avago® 2308 controller for 8 SAS/SATA (6Gbps) ports; RAID 0,1,10	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10; 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps); RAID 0,1,5,10
Connectivity	Quad LAN with Dual Intel® i350 Gigabit Ethernet controller	Quad LAN with 2x Intel® i350 Gigabit Ethernet controller
	Matrox® G200ew graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SAS HDD bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive bay (optional)
Power Supply	740W Redundant Platinum Level high-efficiency power supplies with iPC and PMBus	740W Redundant Platinum Level high-efficiency power supplies with iPC & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Mainstream



Mainstream



MODEL	SuperServer® SYS-6027R-TRF	SuperServer® SYS-6027R-72RF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • 16 DIMM slots • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 16 DIMM slots • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN • Avago® 2208 controller for 8 SAS2 ports
Serverboard	SUPER® X9DRi-F	SUPER® X9DRH-7F
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 (low-profile) 3 PCI-E 3.0 x8 (low-profile)	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8
Onboard Storage Controller	Intel® C602 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,10; 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Avago® 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 and Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller Matrox® G200eW graphics	Dual LAN with Intel® i350 Gigabit Ethernet Controller Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS2 Avago® RAID drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive bay (optional)
Power Supply	740W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	740W Redundant Platinum Level high-efficiency power supplies with iC & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Mainstream



Mainstream



*SBB 2U Storage
High Availability Storage Platform*



MODEL	SuperServer® SYS-6027R-72RFT	SuperServer® SYS-6027R-72RFT+	SuperStorage SSG-2027B-DE2R24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation 	<ul style="list-style-type: none"> • Redundant node/set • High Availability Storage Appliance Platform
Outstanding Features	<ul style="list-style-type: none"> • 16 DIMM slots • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN • Avago® 2208 controller for 8 SAS2 ports 	<ul style="list-style-type: none"> • 24 DIMM slots • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN • Avago® 2208 controller for 8 SAS2 ports 	<ul style="list-style-type: none"> • Dual JBOD Expansion Ports • NV-DIMM slots • 920W Redundant Platinum Level (94%+) power supplies • Up to 3 add-on cards
Serverboard	SUPER● X9DRH-7TF	SUPER● X9DR7-TF+	SUPER● X9DBS-F-2U
Chipset	Intel® C602 Chipset	Intel® C602J Chipset	Intel® C602J Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Two sets of up to 192GB Registered ECC 48GB Unbuffered ECC/non-ECC 6 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8	2 PCI-E 3.0 x16, 4 PCI-E 3.0 x8	Two sets of 3 PCI-E 3.0 x8 (LP) slots
Onboard Storage Controller	Avago® 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 and Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Avago® 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602J AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Two sets of Avago® 2308 SAS Dual Core controller
Connectivity	Dual 10GBase-T with Intel® X540 10GbE Controller	Dual 10GBase-T with Intel® X540 10GbE Controller	Two sets of dual LAN with Intel® Ethernet Controller i350-AM2
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0, KVM/media over LAN with dedicated LAN port
Drive Bays	8x 3.5" hot-swap SAS2 Avago® RAID drive bays	8x 3.5" hot-swap SAS2 drive bays	24x 2.5" hot-swap SAS2 drive bay with SES2
Peripheral Bays	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)	N/A
Power Supply	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans with optimal fan speed control	3x 8cm (7000 RPM) hot-swap PWM cooling fan	10x 4cm PWM cooling fans; air shroud
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 679mm (17.2" x 3.5" x 26.75")

* Please check with your Supermicro sales representative for compatibility



Storage
3x Avago® 3008 IT Mode adapter
Low Latency



Storage SAS3 HW RAID
Storage Expandable



MODEL	SuperStorage SSG-2027R-AR24NV	SuperStorage SSG-2027R-E1CR24N
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Low latency applications using SSD, 15K Media & RAID • High-capacity network caching server • OLTP Database, Index server • HPC Cluster Applications 	<ul style="list-style-type: none"> • Cloud and Virtualization needs • Compute Intensive Storage Environments • Data Farm • Enterprise Server • Media/Streaming • NAS and IP-SAN • Virtualization
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • IPMI 2.0 + KVM with dedicated LAN • NV-DIMM slots • SAS 3.0 (12Gbps) support • Direct attached 	<ul style="list-style-type: none"> • 130W CPU support • 24 DIMM slots & 4 LAN ports (4x 1G) • Dual JBOD Expansion Ports • Hardware RAID Supports up to 240 HDD/SSD • IPMI 2.0 + KVM with dedicated LAN • RAID 0,1,5,6,10,50,60 • Redundant 920W Platinum Level (94%+) Power Supplies • SAS 3.0 (12Gbps) support
Serverboard	SUPER● X9DRH-iF-NV	SUPER● X9DRi-LN4F+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots; Supports ADR based NV-DIMM technology	Up to 768GB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 24 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16; 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by HBA	4 PCI-E 3.0 x16; 1 PCI-E 3.0 x8; 1 PCI-E 3.0 x8 (in x4 slot); Slot 1 & 2 Occupied by HW RAID Controller and JBOD Expansion Port
Onboard Storage Controller	Avago® 3008 controller for 24 SAS 3.0 (12Gbps) ports; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,10; Intel® C602 AHCI controller for 2 SATA3 (6Gbps) ports; RAID 4SATA2 (3Gbps)0,1,5,10	Hardware RAID Avago® 3108 (AOC)
Connectivity	Dual LAN with Intel® Ethernet Controller i350-AM2 Matrox® G200eW graphics	Quad 1G LAN with Intel i350 Gigabit Ethernet controller Matrox® G200eW graphics
Management	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS 3.0 drive bays	24x 2.5" hot-swap SAS3/SATA3 drive bay; optional 2x 2.5" internal fixed drive bay
Peripheral Bays	Optional 2x 2.5" Rear Hot-swap Drive Bays	N/A
Power Supply	920W Redundant high-efficiency power supplies	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus
Cooling System	3x 8cm high-performance PWM fans	3x 8cm high-performance fans with air shroud & optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")

* Please check with your Supermicro sales representative for compatibility



**Storage SAS3 in IT mode
Storage Expandable**



**Storage SAS3 HW RAID
Storage Expandable**



MODEL	SuperStorage SSG-2027R-E1CR24L	SuperStorage SSG-6027R-E1CR12N
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN • NAS and IP-SAN • Unstructured Data Storage • Virtualization 	<ul style="list-style-type: none"> • Cloud Computing • Compute Intensive Storage Environments • Enterprise Server • Media/Streaming • NAS and IP-SAN • Web Server
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 512GB DDR3 SDRAM • Dual JBOD Expansion Ports • High-density, Enterprise Performance, Cost-effective • IPMI 2.0 management with dedicated LAN • Redundant 920W Platinum Level (94%+) Power Supplies • SAS 3.0 (12Gbps) support • Up to 4 add-on cards 	<ul style="list-style-type: none"> • 12x 3.5" drives • 130W CPU support • 24 DIMM slots • 94% Digital high-efficiency redundant power supplies • Dual JBOD Expansion Ports • Hardware RAID Supports up to 240 HDD/SSD • IPMI 2.0 + KVM with dedicated LAN • Quad Gigabit Ethernet LAN • RAID 0,1,5,6,10,50,60 • SAS 3.0 (12Gbps) support
Serverboard	SUPER● X9DRD-EF	SUPER● X9DRI-LN4F+
Chipset	Intel® C602J Chipset	Intel® C602 Chipset
System Memory (Max.)*	Up to 1TB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 16 DIMM slots	Up to 768GB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 24 DIMM slots
Expansion Slots	6 PCI-E 3.0 x8 (LP, HL); Slot 1 & 2 occupied by HBA and JBOD Expansion Port	4 PCI-E 3.0 x16; 1 PCI-E 3.0 x8; 1 PCI-E 3.0 x8 (in x4 slot); Slot 1&2 Occupied by Hardware RAID Controller and JBOD Expansion Port
Onboard Storage Controller	IT Mode / HBA Avago® 3008	Hardware RAID Avago® 3108
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controllers	Quad 1G LAN with Intel i350 Gigabit Ethernet controller
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	12x 3.5" hot-swap SAS3/SATA3 drive bay with SES2; Optional Internal bracket for 2x 2.5" drives (fixed mounting)
Peripheral Bays	N/A	N/A
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm high-performance fans with air shroud & optimal fan speed control	3x 8cm high-performance PWM fans
Form Factor	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



*Storage SAS3 in IT mode
Storage Expandable*



*Storage
HW RAID Expandable*



Storage Expandable



MODEL	SuperStorage SSG-6027R-E1CR12L	SuperStorage SSG-2027R-E1R24N	SuperStorage SSG-2027R-E1R24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Cloud Computing Data Farm HPC cluster computer nodes NAS and IP-SAN SOHO Entry-Level Server Video Server Web Server 	<ul style="list-style-type: none"> Offers great performance in the widest number of storage applications High Capacity Expandable Storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server 	<ul style="list-style-type: none"> High Capacity Expandable Storage Next Generation Copy-on-write file systems Streaming Media, Data Recording, Video Surveillance Compliance Storage Business Continuity Disk-to-Disk Backup / Archive Virtual Tape Applications
Outstanding Features	<ul style="list-style-type: none"> 12x 3.5" drives 16 DIMM slots 512GB DDR3 1600/1333/1066 SDRAM 94% Digital high-efficiency redundant power supplies Dual JBOD Expansion Ports IPMI 2.0 + KVM with dedicated LAN Redundant 920W Platinum Level (94%+) Power Supplies SAS 3.0 (12Gbps) support Up to 4 add-on cards 	<ul style="list-style-type: none"> 24 DIMM slots Hardware RAID Avago2108(AOC) 920W Platinum Level (94%+) power supply Lights-out management Excellent Balance of CPU/Memory, Storage Performance and Value Dual JBOD Expansion Port 	<ul style="list-style-type: none"> OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply Lights-out management Dual JBOD Expansion Port
Serverboard	SUPER● X9DRD-EF	SUPER● X9DRi-LN4F+	SUPER● X9DRD-7LN4F-JBOD
Chipset	Intel® C602J Chipset	Intel® C602 Chipset	Intel® C602J Chipset
System Memory (Max.)*	Up to 1TB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	6 PCI-E 3.0 x8 (LP, HL); Slot 1 & 2 Occupied by JBOD Expansion Port and HBA	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8) Slot 1 & 2 occupied by JBOD Expansion Port	6x PCI-E 3.0 x8 slots (Low-profile) Slot 1 & 2 occupied by JBOD Expansion Port
Onboard Storage Controller	IT Mode / HBA Avago® 3008	Hardware RAID Avago® 2108(AOC)	Avago® 2308 / HBA
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controllers	Quad-1GbE	Quad-1GbE
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0, KVM/media over LAN with dedicated LAN port
Drive Bays	12x 3.5" hot-swap SAS3/SATA3 drive bay with SES2 ; Optional 2x 2.5" Hot-swap drive bays (rear)	24x 2.5" hot-swap SAS2/SATA3 drive bays; optional 2x 2.5" internal fixed drive bay	24x 2.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5" Hotswap SATA drive bays (rear)
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
Cooling System	3x 8cm high-performance PWM fans	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")

* Please check with your Supermicro sales representative for compatibility



Storage Expandable

Storage HW RAID Expandable

Storage 10G Optimized



MODEL	SuperStorage SSG-6027R-E1R12L	SuperStorage SSG-6027R-E1R12N	SuperStorage SSG-6027R-E1R12T
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> High Capacity Expandable Storage Next Generation Copy-on-write file systems Streaming Media, Data Recording, Video Surveillance Compliance Storage Business Continuity Disk-to-Disk Backup / Archive Virtual Tape Applications 	<ul style="list-style-type: none"> High Capacity Expandable Storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server 	<ul style="list-style-type: none"> Performance 10G Base-T Node for Scale-out clustered NAS/SAN Scale-Out content delivery Virtual Tape Applications
Outstanding Features	<ul style="list-style-type: none"> OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity Single JBOD Expansion Port Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply Lights-out management 	<ul style="list-style-type: none"> Offers great performance in the widest number of storage applications 24 DIMM slots Hardware RAID Avago2108(AOC) Single JBOD Expansion Port 920W Platinum Level(94%+) Lights-out management 	<ul style="list-style-type: none"> Balanced performance with built in 10G perfect for scale out storage nodes Dual Onboard 10G Base-T 920W Platinum Level(94%+) Lights-out management
Serverboard	SUPER● X9DRD-7LN4F-JBOD	SUPER● X9DRi-LN4F+	SUPER● X9DRH-7TF
Chipset	Intel® C602J Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	5x PCI-E 3.0 x8 slots (Low-profile) Slot 1 & 2 occupied by JBOD Expansion Port	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8) Slot 1 & 2 Occupied by JBOD Expansion Port and HBA	7 PCI-E 3.0 slots, (1 PCI-E 3.0 x16 and 6 PCI-E 3.0 x8)
Onboard Storage Controller	Avago® 2308 / HBA	Hardware RAID Avago® 2108(AOC)	Hardware RAID Avago® 2208
Connectivity	Quad-1GbE, Single JBOD expansion port (4x 6G lanes)	Quad-1GbE, Single JBOD expansion port (4x 6G lanes)	Dual 10GBase-T
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0, KVM/media over LAN with dedicated LAN port
Drive Bays	12x 3.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)	12x 3.5" hot-swap SAS2/SATA3 drive bays; optional 2x 2.5" internal fixed drive bay	12x 3.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")

* Please check with your Supermicro sales representative for compatibility



**Storage
Low Latency
3x 2208 RAID Controller**



**Enterprise-Class
Hyper-Speed**



**Enterprise-Class
Hyper-Speed**



MODEL	SuperStorage SSG-2027R-AR24	SuperServer® SYS-6027AX-TRF	SuperServer® SYS-6027AX-72RF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Low latency applications using SSD, 15K Media & RAID High-capacity network caching server OLTP Database, Index server HPC Cluster Applications 	<ul style="list-style-type: none"> Financial Analysis Business Critical Applications Enterprise Server Oil & Gas High Frequency Trading 	<ul style="list-style-type: none"> Financial Analysis Business Critical Applications Enterprise Server Oil & Gas Enterprise class Hyper-Speed High Frequency Trading
Outstanding Features	<ul style="list-style-type: none"> Dual Onboard 10G Base-T Hardware RAID controller for maximum CPU utilization Direct Attached Backplane, perfect for SSDs 920W Platinum Level (94%+) Lights-out management 	<ul style="list-style-type: none"> 10x 3.5 SATA/SAS drives Dual port IEEE 1394a headers 1280W Redundant Platinum Level Digital high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> SAS2 RAID 0,1,10,5,50,60 10x 3.5 SATA/SAS drives Dual port IEEE 1394a headers 1280W Redundant Platinum Level Digital high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DRH-7TF	SUPER® X9DAX-iF	SUPER® X9DAX-7F
Chipset	Intel® C602 Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	5 PCI-E 3.0 slots, (1 PCI-E 3.0 x16 and 4 PCI-E 3.0 x8) Slot 1 & 2 Occupied by RAID controller	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 UIO PCI-E 3.0 x8	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 UIO PCI-E 3.0 x8
Onboard Storage Controller	Hardware RAID Avago® 2208; 1 onboard + 2x AOC	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Avago® 2208 controller for 8 SAS2 ports HW RAID 0,1,5,6,10,50,60; Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual 10GBase-T	Intel® i350 Dual Port Gigabit Ethernet LAN	Intel® i350 Dual Port Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics 7.1 HD Audio	Matrox® G200eW graphics 7.1 HD Audio
Management	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS2/SATA3 drive bays; 2x 2.5" optional rear hot-swap drive bay	10x 3.5" hot-swap SATA/SAS HDD bays	10x 3.5" hot-swap SATA/SAS HDD bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Platinum Level (94%+) high-efficiency power supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with iFC & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with iFC & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	4x 80mm high-efficiency PWM fans with optimal fan speed control	4x 80mm high-efficiency PWM fans with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 704mm (17.2" x 3.5" x 27.7")	2U Rackmount 437 x 89 x 704mm (17.2" x 3.5" x 27.7")

* Please check with your Supermicro sales representative for compatibility



**Datacenter
Optimized**



UIO



UP



MODEL	SuperServer® SYS-6027B-TLF	SuperServer® SYS-6027B-URF	SuperServer® SYS-5027R-WRF
Processor Support	Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s	Single Intel® Xeon® Processor E5-2600/1600 and E5-2600/1600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Data Center Web Server 	<ul style="list-style-type: none"> HPC cluster computer nodes Data farm Data center Front-end server 	<ul style="list-style-type: none"> Cloud and Virtualization needs, Hosting & Application delivery, Database processing & Storage, Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> 650W AC-DC high-efficiency power supply Gold Level IPMI 2.0 + KVM with dedicated LAN Cost Effective 	<ul style="list-style-type: none"> 740W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 500W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DBL-iF	SUPER® X9DBU-iF	SUPER® X9SRW-F
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 192GB of ECC DDR3-1600 MHz SDRAM in 6 DIMM slots	Up to 384GB of ECC DDR3-1600 MHz SDRAM in 12 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI, 3 PCI-E x8, 1 PCI-E x16, 1 PCI-E 3.0 x4 (in x8)	1 UIO, 4 PCI-E 3.0 x4 (2 FH/13.5"L, 2 LP/6.6"L) 1 PCI-E 3.0 x8 (FH/13.5"L)	4 PCI-E 3.0 x8 1 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 4 SATA2 (3Gbps) ports; RAID 0, 1, 5, 10	Ready for SAS or SATA add-on card	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps); RAID 0,1,5,10
Connectivity	Intel® 82574L Dual Port Gigabit Ethernet LAN	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	6x 3.5" hot-swap SATA HDD bays	8 hot-swap 3.5" SAS/SATA drives bays (Optional SAS controller card)	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	650W Gold Level AC-DC high-efficiency power supply	740W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	500W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 80x80x38 mm high performance PWM fans with optimal fan speed control	3x heavy duty fans w/ Optimal Fan Speed Control; 1 Air Shroud	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 426 x 89 x 650mm (16.8" x 3.5" x 25.6")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility

** LRDIMM only supported by E5-2600 v3



Multi I/O
11 PCI-E Slots



3U Storage
X10 HW SAS3 controller
Storage Expandable



3U Storage
X10 SAS3 HW/IT mode controller
Storage Expandable



MODEL	SuperServer® SYS-6038R-TXR	SuperStorage SSG-6038R-E1CR16N	SuperStorage SSG-6038R-E1CR16H SSG-6038R-E1CR16L
Processor Support	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s; CPU TDP support Up to 145W	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Networking Telephony Surveillance DVR Industrial Server Solutions Head-node controller 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> 16 DIMM slots 10x PCI-E 3.0 x8, 1x PCI-E 2.0 x4 (in x8) 8x Hot-swap 3.5" HDD Bays and 2x 5.25" Drive Bays 2 SATA DOMs Support with Embedded Power 145W CPU support 	<ul style="list-style-type: none"> Avago® 3108 SAS3 HW RAID controller 16x 3.5" SAS3/SATA3 drive bays 130W CPU support 24 DIMM slots 4 x 10G BaseT Dual JBOD Expansion Ports 920W Platinum Level high efficiency power supply 	<ul style="list-style-type: none"> Avago® 3008 SAS3 IT mode controller 16x 3.5" Hot-swap SAS3 bays 130W CPU support 16 DIMM slots Dual 10G BaseT Dual JBOD Expansion Ports 920W Platinum Level high efficiency power supply
Serverboard	SUPER® X10DRX	SUPER® X10DRi-T4+	SUPER® X10DRH-iT
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	10 PCI-E 3.0 x8 (FH, FL), 1 PCI-E 3.0 x4 (in x8 slot)	2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD Expansion Port	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8, Slot 1 & 2 occupied by controller and JBOD Expansion Port
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Avago® 3108 SAS3 add-on controller card	-E1CR16H: Avago® 3108 SAS3 add-on controller card; -E1CR16L: Avago® 3008 SAS3 add-on controller card
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap and 2x 5.25" drive bay	16x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	16x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay
Peripheral Bays	1 optional Slim DVD-ROM bay	1 optional Slim DVD-ROM bay	1 optional Slim DVD-ROM bay
Power Supply	Redundant 1280W Platinum Level Digital power supplies w/PMBus supports	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	3x middle fans & 1x rear exhaust fan	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan
Form Factor	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")

* Please check with your Supermicro sales representative for compatibility

New!

SBB 3U Storage
High Availability Storage Platform

SBB 3U Storage
High Availability Storage Platform

3U Storage
HW RAID Expandable

3U Storage
Storage Expandable



Rackmount

SuperStorage SSG-6038R-DE2CR16L	SuperStorage SSG-6037B-DE2R16L	SuperStorage SSG-6037R-E1R16N	SuperStorage SSG-6037R-E1R16L
<p>Dual Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s</p> <ul style="list-style-type: none"> High Availability Storage Appliance Platform 	<p>Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8GT/s</p> <ul style="list-style-type: none"> High Availability Storage Appliance Platform Failover cluster Cluster in a Box 	<p>Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s</p> <ul style="list-style-type: none"> High Capacity Expandable storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server 	<p>Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s</p> <ul style="list-style-type: none"> High Capacity Expandable Storage Next Generation Copy-on-write file systems like Windows Storage Spaces, Oracle ZFS, Linux BTFS Streaming Media, Data Recording, Video Surveillance Compliance Storage Business Continuity Disk-to-Disk Backup / Archive Virtual Tape Applications
<ul style="list-style-type: none"> Redundant DP SBB supporting 16x 3.5" HDD Intel® X540 Dual port 10GBase-T Dual JBOD Expansion Ports NV-DIMM support Up to 3 add-on cards Redundant 920W Platinum Level (94%+) Power Supplies 	<ul style="list-style-type: none"> Dual JBOD Expansion Ports NV-DIMM slots 920W Redundant Platinum Level (94%+) power supplies Up to 3 add-on cards 8x lanes PCI-E 3.0 between nodes (NTB) 	<ul style="list-style-type: none"> Offers great performance in the widest number of storage applications 24 DIMM slots Hardware RAID Avago2108(AOC) 920W Platinum Level (94%+) power supply Lights-out management Dual JBOD expansion ports 	<ul style="list-style-type: none"> OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity Dual JBOD Expansion Ports Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply Lights-out management
SUPER● X10DRH-iT	SUPER● X9DBS-F	SUPER● X9DRi-LN4F+	SUPER● X9DRD-7LN4F-JBOD
Intel® C612 chipset	Intel® C602J Chipset	Intel® C602 Chipset	Intel® C602J Chipset
Up to 256GB Registered ECC, DDR4-2133MHz in 8 DIMM slots	Two sets of up to 192GB Registered ECC 48GB Unbuffered ECC/non-ECC 6 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
3 PCI-E 3.0 x8 (1x FHHL, 2x LPHL) expansion slots per controller	Two sets of 3 PCI-E 3.0 x8 (1 FH, 2 LP) expansion slots per controller	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8)	5x PCI-E 3.0 x8 slots (Full Height Half Length)
Avago® 3008 SAS3 controller	Two sets of Avago® 2308 SAS Dual Core controller	Hardware RAID Avago® 2108(AOC)	Avago® 2308 / HBA
Dual LAN with 10GBase-T with Intel® X540 10GbE Controller per node; 1Gb private Ethernet between controller nodes	Two sets of dual LAN with Intel® Ethernet Controller i350-AM2	Quad-1GbE, Dual JBOD expansion ports	Quad-1GbE, Dual JBOD expansion ports
AST2400 VGA	Two sets of 1 VGA, Nuvoton WPCM450 BMC	Matrox® G200eW graphics	Matrox® G200eW graphics
IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Two sets of IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port
16x 3.5" hot-swap SAS drive bay with SES2	16x 3.5" hot-swap SAS drive bay with SES2 (Shared)	16x 3.5" hot-swap SAS/SATA drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)	16x 3.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)
1 optional Slim DVD-ROM bay	N/A	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)
920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
12x 4cm PWM cooling fans;	12x 4cm PWM cooling fans; air shroud	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")

**11 PCI-E Slots****Mainstream
Supports 2x Passive
GPU or Xeon Phi™****Mainstream**

MODEL	SuperServer® SYS-6037R-TXRF	SuperServer® SYS-6037R-72RFT+	SuperServer® SYS-6037R-72RF SYS-6037R-72RFT
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Storage Environments like Data Deduplication, Replication, Virtual Tape, NAS and IP-SAN 	<ul style="list-style-type: none"> • Cloud and other virtualization needs, • Hosting & Application delivery • Database processing & Storage • Simulation, Automation 	<ul style="list-style-type: none"> • Cloud and other virtualization needs, • Hosting & Application delivery • Database processing & Storage • Simulation, Automation
Outstanding Features	<ul style="list-style-type: none"> • 980W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 24 DIMM slots • Supports 2 passive GPU/ Xeon Phi™ • 1280W Redundant Platinum Level Digital high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 16 DIMM slots • SAS 2.0 support • 920W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DRX+-F	SUPER® X9DR7-TF+	-72RF: SUPER® X9DRH-7F -72RFT: SUPER® X9DRH-7TF
Chipset	Intel® C602 chipset	Intel® C602J chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	10 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8)	2 PCI-E 3.0 x16, 4 PCI-E 3.0 x8	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 (4 in x16)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports & 8 SATA2 (3Gbps) ports	Avago® 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602J AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Avago® 2208 controller for 8 SAS2 (6Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual 10GBase-T LAN with Intel® 540 10Gb Ethernet controller	-72RF: Dual LAN with Intel® i350 Gigabit Ethernet controller -72RFT: Dual 10GBase-T LAN with Intel® 540 10Gb Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5 hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS2 drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive bay (optional) 2x 5.25" drive bays	1 slim DVD-ROM drive bay 2x 5.25" drive bays
Power Supply	980W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud, 1x 8cm exhaust fans with optimal fan speed control	4x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans, optimal fan speed control, and optional GPU fan kit, GPU air shroud, and 2x GPU power extension cables	3x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans with optimal fan speed control
Form Factor	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")

* Please check with your Supermicro sales representative for compatibility

**Tower Server,
24/7 Operation,
Unparalleled Reliability**

**Whisper-Quiet
25dB**

**21dB Whisper-Quiet
Tool-Less Design**



MODEL	SuperServer® SYS-5038D-i	SuperServer® SYS-5037C-i	SuperServer® SYS-5037C-T
Processor Support	Single Intel® 4th Generation Core™ i3/i5/i7 series, Intel® Xeon® processor E3-1200 v3 series	Intel® Xeon® E3-1200 v2 family and 3rd Generation Core™ i3 & Intel® Pentium family processors (LGA 1155, Socket H2)	Intel® Xeon® E3-1200 v2 family and 3rd Generation Core™ i3 & Intel® Pentium family processors (LGA 1155, Socket H2)
Key Applications	<ul style="list-style-type: none"> • Application and data serving • CAD/CAM/CAE • Medical Applications • Oil & Gas • SOHO Entry-Level Server 	<ul style="list-style-type: none"> • SOHO entry-level server, file server 	<ul style="list-style-type: none"> • Workstation, multimedia appliance, SOHO entry-level server
Outstanding Features	<ul style="list-style-type: none"> • Cost effective & Tool-less design • Cost effective UP platform • Cost optimized • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • Mini-tower formfactor • Tool-less chassis design • 300W Bronze level power supply • Whisper-quiet operation at 25dB • Extremely cost effective 	<ul style="list-style-type: none"> • Mid-tower form factor • Tool-less chassis design • 500W Bronze level low-noise power supply • Whisper-quiet operation at 21dB • 2 front USB 2.0 ports • Optional LCD display
Serverboard	SUPER● X10SLL-F	SUPER● X9SCL	SUPER● X9SCA
Chipset	Intel® C222 chipset	Intel® C202 PCH chipset	Intel® C204 PCH chipset
System Memory (Max.)*	Up to 32GB ECC/Non-ECC UDIMM in 4 slots; DDR3 up to 1600 MHz	32GB UDIMM ECC DDR3 1333/1066 SDRAM in 4 DIMM slots	32GB UDIMM ECC DDR3 1333/1066 SDRAM in 4 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8 (in x16 slot); 1 PCI-E 3.0 x8; 1 PCI-E 2.0 x4 (in x8 slot)	2 PCI-E 2.0 x8 (in x8 slot) 1 PCI-E 2.0 x4 (in x8 slot)	1 PCI-E 2.0 x 16, 2 PCI-E 2.0 x4 (in x8 slots), 3 PCI-32
Onboard Storage Controller	Intel® C222 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; Intel® C222 controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	6 SATA2 (3Gbps) RAID 0,1,5,10 (Window) Optional RAID 0,1,10 (Linux)	2 SATA3 (6Gbps); RAID 0, 1 (Window) 4 SATA2 (3Gbps); RAID 0,1,5,10 (Window) RAID 0,1,10 (Linux)
Connectivity	Single LAN with Intel® PHY i217LM; Single LAN with Intel® Ethernet Controller i210AT	Dual LAN with 2 x Intel® 82574L Gigabit Ethernet controllers	Dual LAN with 2 x Intel® 82574L Gigabit Ethernet controllers
VGA/Audio	AST2400 VGA	Nuvoton Graphics	Nuvoton Graphics
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	SuperDoctor® 5, Watchdog	SuperDoctor® 5, Watchdog
Drive Bays	2x 5.25" drive bay 4x 3.5" fixed drive bay	4x 3.5" HDD Bays 90-degree rotating tool-less hard drive cage	4x 3.5" HDD Bays 90-degree rotating tool-less hard drive cage 4x 2.5" Internal HDD/SSD bays (optional)
Peripheral Bays	1x standard 5.25" drive bay; 1x 3.5" internal fixed drive bay	2x 5.25" optical drive bays	2x 5.25" optical drive bays
Power Supply	300W high-efficiency power supply	300W Bronze Level low-noise power supply	500W Bronze Level low-noise power supply
Cooling System	1x 9cm (2050 RPM) rear exhaust fan; optional 1x 8cm fan for PCI card cooling	1x rear 9.2cm PWM fan with toolless design; Optional 1 x front 8cm cooling fan	1x rear 12cm (1850rpm) cooling fan; Optional 1 x front 12cm cooling fan
Form Factor	Mid-Tower 362 x 184 x 425mm (14.25" x 7.25" x 16.75")	Mini Tower 362 x 184 x 425mm (14.25" x 7.25" x 16.75")	Mid Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")

* Please check with your Supermicro sales representative for compatibility

New!**Supports 8 GPU/Xeon Phi™****Thunderbolt Support
Supports 4 GPU/Xeon Phi™**

MODEL	SuperServer® SYS-4028GR-TR(T)	SuperServer® SYS-7048GR-TR	SuperServer® SYS-6048R-TXR
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Intel® Xeon® processor E5-2600 v3 product family with QPI up to dual 9.6 GT/s; CPU TDP support up to 145W
Key Applications	<ul style="list-style-type: none"> • 3D Rendering • Astrophysics • Chemistry • Cloud and Virtualization needs • Cloud Computing • Compute Intensive Application 	<ul style="list-style-type: none"> • HPC cluster computer nodes • Simulation and Creation Design • Imaging and Computer Vision 	<ul style="list-style-type: none"> • Networking Telephony • Surveillance DVR • Industrial Server Solutions • Head-node controller
Outstanding Features	<ul style="list-style-type: none"> • Up to 8 GPU/Xeon Phi™ in 4U • 24 DIMM slots • 24x 2.5" SATA drives • GPU health monitoring with fan speed control • 4x 1600W Redundant Platinum Level power supplies 	<ul style="list-style-type: none"> • 1TB DDR4-2133MHz in 16 DIMMs • 7.1 HD Audio Header • Thunderbolt AOC support • 8x 3.5" hot-swap SATA drive bays • GPU health monitoring with fan speed control • Redundant 2000W Titanium Level power (1 in x16), 1x PCI-E 2.0 x4 (in x8) 	<ul style="list-style-type: none"> • Supports 16 DIMM DDR4-2133MHz • Up to 11 PCI-E 3.0 slots • 5 hot-swap 3.5" drives bays (SATA3 ports) • 3x 5.25" Peripheral Drive Bays • 2 SATA DOMs Support with Embedded Power
Serverboard	-TR: SUPERMICRO X10DRG-O+-CPU, X10DRG-O-PCI-E -TRT: SUPERMICRO X10DRG-OT+-CPU, X10DRG-O-PCI-E	SUPERMICRO X10DRG-Q	SUPERMICRO X10DRX
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	8x PCI-E 3.0 x16 (support up to 8 double width GPUs) 2x PCI-E 3.0 x8 1x PCI-E 2.0 x4	4 PCI-E 3.0 x16 (double-width), 2 PCI-E 3.0 x8 (1 in x16 slot), 1 PCI-E 2.0 x4 (in x8), Support Thunderbolt 2.0 AOC	10 PCI-E 3.0 x8 (FH, FL), 1 PCI-E 3.0 x4 (in x8 slot)
Onboard Storage Controller	RAID 0,1,5,10	Intel® C612 AHCI controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-TR: Dual LAN with Intel® i350 Gigabit Ethernet Controller; -TRT: Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® i350 Gigabit Ethernet Controllers	Dual LAN with Intel® i350 Gigabit Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24x hot-swap 2.5" SAS/SATA drives	8x hot-swap 3.5" SAS/SATA drives	5x 3.5" hot-swap and 3x 5.25" peripheral drive bays
Peripheral Bays	N/A	3x 5.25" drive bays in storage module - rotates 90° for Rackmount, 1x 3.5" fixed drive bay	1 optional Slim DVD-ROM bay
Power Supply	Four 1600W (2+2) Redundant Platinum Level high-efficiency power supplies with iC & PMBus	Redundant 2000W Titanium Level high-efficiency power supplies with iC & PMBus	Redundant 600W power supplies
Cooling System	8x 92mm RPM Hot-Swappable Cooling Fans	4x 92x38mm 4-pin PWM Middle Cooling Fans, 2x 80x38mm 4-pin PWM Rear Exhaust Fans	1x 92x38mm 4-pin PWM front intake fan 2x 80x38mm 4-pin PWM rear exhaust fans
Form Factor	4U Rackmount 437 x 178 x 737mm (17.2" x 7" x 29")	4U Tower 437 x 178 x 673mm (17.2" x 7" x 26.5")	4U Rackmount 437 x 178 x 525mm (17.2" x 7" x 20.68")

* Please check with your Supermicro sales representative for compatibility

New!
4U Storage
Double-Sided Storage

New!
4U Storage
60 Bay SAS3 Server
w/ HW RAID controller
Storage Expandable

New!
4U Storage
60 Bay SAS3 Server
w/ IT mode controller
Storage Expandable



MODEL	SuperStorage SSG-6048R-E1CR72L	SuperStorage SSG-6048R-E1CR60N	SuperStorage SSG-6048R-E1CR60L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> • CDN • Media/Streaming • NAS and IP-SAN • Unstructured Data Storage • Virtual Tape 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> • High Density 4U Server supports 72x 3.5" SAS3 drives • Supports dual 145W Haswell CPU • Supports 16 DIMM DDR4 up to 2133MHz • Support 72x 3.5" SAS3 HDD • 3x SAS3 IT mode controller • Dual 10G BaseT 	<ul style="list-style-type: none"> • 60x 3.5" Drive in 4U Form Factor • Avago® 3108 SAS3 HW RAID controller • Supports dual 145W Haswell CPU • 24 DIMM sockets • Support SIOM Card for Multiple IO Option • Redundant 2000W Titanium Level high-efficiency power supplies • LCD screen 	<ul style="list-style-type: none"> • 60x 3.5" Drive in 4U Form Factor • Avago® 3008 SAS3 controller • Supports dual 145W Haswell CPU • 24 DIMM sockets • Support SIOM Card for Multiple IO Option • Redundant 2000W Titanium Level high-efficiency power supplies • LCD screen
Serverboard	SUPER® X10DRH-iT	SUPER® X10DSC+	SUPER® X10DSC+
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	3x slots occupied by IT Mode disk controllers Avago® 3008; 4x Low profile slots available	2 PCI-E 3.0 x16 1 PCI-E 3.0 x8	2 PCI-E 3.0 x16 1 PCI-E 3.0 x8
Onboard Storage Controller	Intel® C612 controller for 6 SATA3	Avago® 3108 SAS3 w/ HW RAID controller	Avago® 3108 SAS3 w/ IT mode controller
Connectivity	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	SIOM card for multiple IO option	SIOM card for multiple IO option
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	72x 3.5" hot-swap SAS3/SATA3 drive bays with SES2	60x 3.5" hot-swap SAS3/SATA3 drive bay	60x 3.5" hot-swap SAS3/SATA3 drive bay
Peripheral Bays	Optional rear 2x 2.5" hot-swap drive bay	6x 2.5" rear hot-swap drive bay	6x 2.5" rear hot-swap drive bay
Power Supply	2000W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	2000W Redundant Titanium Level high-efficiency power supplies with I²C & PMBus	2000W Redundant Titanium Level high-efficiency power supplies with I²C & PMBus
Cooling System	7x 92mm hot-swap redundant PWM cooling fans	5x 8cm hot-swap redundant PWM cooling fans	5x 8cm hot-swap redundant PWM cooling fans
Form Factor	4U Rackmount 437 x 178 x 889mm (17.2"x7"x35")	4U Rackmount 447 x 178 x 906mm (17.6"x7"x35.66")	4U Rackmount 447 x 178 x 906mm (17.6"x7"x35.66")



4U Storage
X10 HW SAS3 controller
Storage Expandable



4U Storage
X10 SAS3HW/IT mode controller
Storage Expandable



4U Storage
X10 HW SAS3 controller
Storage Expandable



MODEL	SuperStorage SSG-6048R-E1CR24N	SuperStorage SSG-6048R-E1CR24H SSG-6048R-E1CR24L	SuperStorage SSG-6048R-E1CR36N
Processor Support	Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> • Avago® 3108 SAS3 HW RAID controller • 24x 3.5" Hot-swap SAS3 bays • 145W CPU support • 24 DIMM slots • 4x 10G BaseT • Dual JBOD Expansion Ports • 920W Platinum Level redundant high-efficiency power supplies 	<ul style="list-style-type: none"> • Avago® 3008 SAS3 IT mode controller • 24x 3.5" Hot-swap SAS3 bays • 145W CPU support • 16 DIMM slots • Dual 10G BaseT • Dual JBOD Expansion Ports • 920W Platinum Level redundant high-efficiency power supplies 	<ul style="list-style-type: none"> • Avago® 3108 SAS3 HW RAID controller • 145W CPU support • 24 DIMM slots • 36x 3.5" Hot-swap SAS3 bays • Dual JBOD Expansion Ports • 4x 10GBase-T Ports • 1280W Platinum Level redundant high-efficiency power supplies
Serverboard	SUPER [®] X10DRi-T4+	SUPER [®] X10DRH-iT	SUPER [®] X10DRi-T4+
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8); Slot 3 & 4 occupied by controller and JBOD Expansion Port	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8; Slot 1 & 2 occupied by controller and JBOD Expansion Port	2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD Expansion Port
Onboard Storage Controller	Avago® 3108 SAS3 add-on controller card	-E1CR24H: Avago® 3108 SAS3 add-on controller card; -E1CR24L: Avago® 3008 SAS3 add-on controller card	Avago® 3108 SAS3 add-on controller card
Connectivity	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	Quad LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24x 3.5" hot-swap SAS3 /SATA3 drive bay, 2x 2.5" optional rear hot-swap drive bay	24x 3.5" hot-swap SAS3 /SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	36x 3.5" hot-swap SAS3 /SATA3 drive bay; 4x 2.5" internal fixed drive bay
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with iC & PMBus
Cooling System	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan	7x 8cm high-performance PWM fans, air shroud
Form Factor	4U Rackmount 437 x 178 x 673mm (17.2"x7"x26.5")	4U Rackmount 437 x 178 x 673mm (17.2"x7"x26.5")	4U Rackmount 437 x 178 x 699mm (17.2"x7"x27.5")

4U Storage
X10 SAS3 IT controller
Storage Expandable



4U Storage
X10 HW SAS3 controller
Storage Expandable



4U UP Storage
SAS 3.0, 36x 3.5" hot-swap
HDDs



New!
4U Storage
High Availability Storage
Platform



SuperStorage SSG-6048R-E1CR36L	SuperStorage SSG-6048R-E1CR36H	SuperStorage SSG-5048R-E1CR36L	SuperStorage SSG-6048R-DE2CR24L
Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Single Intel® Xeon® Processor E5-2600/1600 v3 product families with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Connectivity/Storage Computer Nodes Database Processing & Storage 	<ul style="list-style-type: none"> High Availability Storage Appliance Platform
<ul style="list-style-type: none"> SAS3 controller in IT mode 1280W Platinum Level redundant high-efficiency power supplies 145W CPU support 36x 3.5" Hot-swap SAS3 bays Dual JBOD Expansion Ports Dual 10G BaseT 16 DIMM slots 	<ul style="list-style-type: none"> Avago® 3108 SAS3 HW RAID controller 1280W Platinum Level redundant high-efficiency power supplies 145W CPU support 36x 3.5" Hot-swap SAS3 bays Dual JBOD Expansion Ports Dual 10G BaseT 16 DIMM slots 	<ul style="list-style-type: none"> Avago® 3008 controller onboard Remote management via dedicated IPMI BMC 36x 3.5" Hot-swap SAS3 bays External port for JBOD connect 	<ul style="list-style-type: none"> Redundant DP SBB supporting 24x 3.5" HDD Intel® X540 Dual port 10GBase-T Dual JBOD Expansion Ports NV-DIMM support Up to 3 add-on cards Titanium Level Power Supply
SUPER® X10DRH-iT	SUPER® X10DRH-iT	SUPER® X10SRH-CLN4F	SUPER®
Intel® C612 chipset	Intel® C612 chipset	Intel® C612 Express chipset	Intel® C612 chipset
Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 512GB ECC LRDIMM**, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 256GB Registered ECC, DDR4-2133MHz in 8 DIMM slots per node
1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD Expansion Port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD Expansion Port	4x PCI-E 3.0 (x8/4, x16/8, x8) + 2x PCI-E 2.0 (x8/4, x4/2)	3 PCI-E 3.0 x8 (1x FHLL, 2x LPHL) expansion slots per controller
Avago® 3008 SAS3 add-on controller card in IT mode	Avago® 3108 SAS3 add-on controller card	Avago® 3008 onboard controller IR mode	Avago® 3008 SAS controller
Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	4x GbE port, 1x dedicated IPMI port	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller per node; 1Gb private Ethernet between controller nodes
AST2400 VGA	AST2400 VGA	AST2400 VGA	AST2400 VGA
IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
36x 3.5" hot-swap SAS3 /SATA3 drive bays; 2x 2.5" optional rear hot-swap drive bays; 4x 2.5" internal fixed drive bays	36x 3.5" hot-swap SAS3 /SATA3 drive bays; 2x 2.5" optional rear hot-swap drive bays; 4x 2.5" internal fixed drive bays	36x 3.5" Hot-swap SAS3 bays; 2x 2.5" optional rear hot-swap drive bays	24x 3.5" hot-swap SAS drive bay with SES2
N/A	N/A	N/A	N/A
1280W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1600W Redundant Titanium Level high-efficiency power supplies with I ² C & PMBus
7x 8cm high-performance PWM fans, air shroud	7x 8cm high-performance PWM fans, air shroud	7x 80mm middle cooling fans	8x 4cm PWM cooling fans
4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 647mm (17.2"x7"x23.5")



Mainstream
4U Standalone/Rackmount /
SAS3, 24 DIMMs



Mainstream
4U Standalone/Rackmount /
SAS3, 24 DIMMs



Mainstream
4U Standalone/Rackmount /
SAS3, 7 PCI-E 3.0



MODEL	SuperServer® SYS-7048R-TR	SuperServer® SYS-7048R-TRT	SuperServer® SYS-7048R-C1R
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Powerful multi tasking workstation (financial analysis, digital video editing, engineering design, scientific computing) 	<ul style="list-style-type: none"> Virtualization Powerful multi tasking workstation (financial analysis, digital video editing, engineering design, scientific computing) 	<ul style="list-style-type: none"> Big Data Analytics Compute Intensive Storage Environments DataCenter Applications Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> 16 DIMM slots Redundant 920W Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 8x 3.5" hot-swap SATA3 drive bays 2 SATA DOM support with built-in power 	<ul style="list-style-type: none"> 16 DIMM slots Redundant 920W Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 8x 3.5" hot-swap SATA3 drive bays 2 SATA DOM support with built-in power 	<ul style="list-style-type: none"> 2 SATA DOM support with embedded power 16 DIMM slots 8x 3.5" SATA3/8x 2.5" SAS3 hot-swap drive bays Redundant 920W Platinum Level high-efficiency Independent power & cooling control SATA 3.0 (6Gbps) support Supports up to 7 expansion cards
Serverboard	SUPER● X10DRi	SUPER● X10DRi-T	SUPER● X10DRH-C
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 3 PCI-E 3.0 x8	3 PCI-E 3.0 x16 3 PCI-E 3.0 x8	FH, FL support for 1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8 add on cards
Onboard Storage Controller	Intel® C612 controller for 8 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 8 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 Avago® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller;	Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	Dual LAN with Intel® i350 Gigabit Ethernet Controllers;
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SATA3 drive bays	8x 3.5" hot-swap SATA3 drive bays	8x 2.5" 12Gbps SAS3 hot-swap drives in mobile rack and 8x 3.5" 6Gbps SATA3 hot-swap drives
Peripheral Bays	90-degree rotatable module: 2 x 5.25" drive bays & 1x 3.5" drive bays; Optional DVD drive	90-degree rotatable module: 2 x 5.25" drive bays & 1x 3.5" drive bays; Optional DVD drive	USB Support: Rear: 2x3.0 + 2x2.0, Front 2x2.0 front, 1x Type A, optional 1x 5.25" DVD-ROM drive
Power Supply	Redundant 920W Platinum Level high-efficiency power supplies with iFC & PMBus	Redundant 920W Platinum Level high-efficiency power supplies with iFC & PMBus	Redundant 920W Platinum Level high-efficiency power supplies with iFC & PMBus
Cooling System	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap redundant PWM cooling fans; 2x 2x 8cm hot-swap exhaust fans air shroud
Form Factor	Tower/4U Rackmount 453 x 178 x 648mm (17.8" x 7" x 25.5")	Tower/4U Rackmount 453 x 178 x 648mm (17.8" x 7" x 25.5")	Tower/4U Rackmount 437 x 178 x 647mm (17.2" x 7" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Mainstream
4U Standalone/Rackmount /
SAS3, 7 PCI-E 3.0



Mainstream
4U Standalone/Rackmount /
SAS3, 24 DIMMs, Quad LAN



Mainstream
4U Standalone/Rackmount /
SAS3, 24 DIMMs, Quad LAN



MODEL	SuperServer® SYS-7048R-C1RT	SuperServer® SYS-7048R-C1R4+	SuperServer® SYS-7048R-C1RT4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Storage Environments • DataCenter Applications • Simulation & Automation 	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Storage Environments • DataCenter Applications • Simulation & Automation 	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Storage Environments • DataCenter Applications • Simulation & Automation
Outstanding Features	<ul style="list-style-type: none"> • 2 SATA DOM support with embedded power • 16 DIMM slots • 8x 3.5" SATA3/8x 2.5" SAS3 hot-swap drive bays • Redundant 920W Platinum Level high-efficiency • Independent power & cooling control • SATA 3.0 (6Gbps) support • Supports up to 7 expansion cards 	<ul style="list-style-type: none"> • 2 SATA DOM support with embedded power • 24 DIMM slots • 8x 2.5" SAS/8x 3.5" SATA hot-swap drive bays • Redundant 920W Platinum Level power • Up to 6 add-on cards 	<ul style="list-style-type: none"> • 2 SATA DOM support with embedded power • 24 DIMM slots • 8x 2.5" SAS/8x 3.5" SATA hot-swap drive bays • Redundant 1000W Titanium Level power • Up to 6 add-on cards
Serverboard	SUPER® X10DRH-CT	SUPER® X10DRC-LN4+	SUPER® X10DRC-T4+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	FH, FL support for 1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8 add on cards	FH/FL support for 2 PCI-E 3.0 x16; 3 PCI-E 3.0 x8; 1 PCI-E 2.0 x4 (in x8 slot) add on cards	FH/FL support for 2 PCI-E 3.0 x16; 3 PCI-E 3.0 x8; 1 PCI-E 2.0 x4 (in x8 slot) add on cards
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 Avago® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 Avago® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 Avago® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	Quad LAN with Intel® i350 Gigabit Ethernet Controllers;	Quad 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" 12Gbps SAS3 hot-swap drives in mobile rack and 8x 3.5" 6Gbps SATA3 hot-swap drives	8x 2.5" 12Gbps SAS3 hot-swap drives in mobile rack and 8x 3.5" 6Gbps SATA3 hot-swap drives (Total 16x hot-swap drive bays)	8x 2.5" 12Gbps SAS3 hot-swap drives in mobile rack and 8x 3.5" 6Gbps SATA3 hot-swap drives (Total 16x hot-swap drive bays)
Peripheral Bays	USB Support: Rear: 2x3.0 + 2x2.0, Front 2x2.0 front, 1x Type A, optional 1x 5.25" DVD-ROM drive	USB Support: Rear: 2x3.0 + 2x2.0, Front 2x2.0 front, 1x Type A, optional 1x 5.25" DVD-ROM drive	USB Support: Rear: 2x3.0 + 2x2.0, Front 2x2.0 front, 1x Type A, optional 1x 5.25" DVD-ROM drive
Power Supply	Redundant 920W Platinum Level high-efficiency power supplies with I ² C & PMBus	C1R4+: Redundant 920W Platinum Level high-efficiency power supplies with I ² C & PMBus C1RT4+: Redundant 1000W Titanium Level high-efficiency power supplies with I ² C & PMBus	C1R4+: Redundant 920W Platinum Level high-efficiency power supplies with I ² C & PMBus C1RT4+: Redundant 1000W Titanium Level high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm hot-swap redundant PWM cooling fans; 2x 2x 8cm hot-swap exhaust fans air shroud	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control
Form Factor	Tower/4U Rackmount 437 x 178 x 647mm (17.2" x 7" x 25.5")	Tower/4U Rackmount 452 x 178 x 648mm (17.8" x 7" x 25.5")	Tower/4U Rackmount 452 x 178 x 648mm (17.8" x 7" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Mainstream



Mainstream



Mainstream



MODEL	SuperServer® SYS-7047R-TRF	SuperServer® SYS-7047R-72RF SYS-7047R-72RFT	SuperServer® SYS-7047R-3RF4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Powerful multi tasking workstation (financial analysis, digital video editing, engineering design, scientific computing) 	<ul style="list-style-type: none"> Cloud and other virtualization needs Hosting & Application delivery Database processing & Storage Simulation & Automation 	<ul style="list-style-type: none"> Virtualization Powerful multi tasking workstation (financial analysis, digital video editing, engineering design, scientific computing)
Outstanding Features	<ul style="list-style-type: none"> 16 DIMM slots 920W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 16 DIMM slots Dual Intel® 10Gb Ethernet ports SAS 2.0 support 920W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 24 DIMM slots SAS support 4 LAN ports 920W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DRi-F	-72RF: SUPER® X9DRH-7F -72RFT: SUPER® X9DRH-7TF	SUPER® X9DR3-LN4F+
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C606 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 3 PCI-E 3.0 x8	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8	4 PCI-E 3.0 x16 1 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8)
Onboard Storage Controller	Intel® C602 controller for 4 SATA3 (6Gbps) ports; RAID 0, 1, 10 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0, 1, 5, 10	Avago® 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 and Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	-72RF: Dual LAN with Intel® i350 Gigabit Ethernet Controller; -72RFT: Dual 10GbBase-T with Intel® X540 10GbE Controller	Quad LAN with 2 x Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	6 drives in 8x 3.5" hot-swap SAS/SATA bays	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	90-degree rotatable module: 2 x 5.25" drive bays & 1x 3.5" drive bays; Optional DVD drive	90-degree rotatable module: 2x 5.25" drive bays & 1x 3.5" drive bay; Optional DVD drive	90-degree rotatable module: 2x 5.25" drive bays & 1x 3.5" drive bay; Optional DVD drive
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with iPC & PMBus	920W Redundant Platinum Level high-efficiency power supplies with iPC & PMBus	920W Redundant Platinum Level high-efficiency power supplies with iPC & PMBus
Cooling System	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2x 8cm exhaust fans with air shroud with optimal fan speed control
Form Factor	4U Rackmount/Tower 437 x 178 x 648mm (17.2" x 7" x 25.5")	4U Rackmount/Tower 437 x 178 x 648mm (17.2" x 7" x 25.5")	4U Rackmount/Tower 437 x 178 x 648mm (17.2" x 7" x 25.5")

* Please check with your Supermicro sales representative for compatibility



**4U 4-GPU/Xeon Phi™
(Active Cooling)**



**4U 4-GPU/Xeon Phi™
(Passive Cooling)**



MODEL	SuperServer® SYS-7047GR-TRF	SuperServer® SYS-7047GR-TPRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • GPU Server • Mission-critical application • Enterprise server • Large database, e-business, on-line transaction processing • Oil & gas applications • Medical applications 	<ul style="list-style-type: none"> • GPU Server • Mission-critical application • Enterprise server • Large database, e-business, on-line transaction processing • Oil & gas applications • Medical applications
Outstanding Features	<ul style="list-style-type: none"> • Up to 4 GPU Xeon Phi™ cards • 1620W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> • Up to 4 GPU Xeon Phi™ cards • 1620W Redundant Platinum Level high-efficiency power supplies
Serverboard	SUPER® X9DRG-QF	SUPER® X9DRG-QF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SATA drive bays	8x 3.5" hot-swap SATA drive bays
Peripheral Bays	3x 5.25" peripheral drive bays 1x 3.5" fixed drive bays	3x 5.25" peripheral drive bays 1x 3.5" fixed drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus
Cooling System	4x 9cm hot-swap cooling fans with optimal fan speed control 2x 8cm hot-swap exhaust fan	4x 9cm hot-swap cooling fans with optimal fan speed control 4x 8cm hot-swap exhaust fan
Form Factor	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")

* Please check with your Supermicro sales representative for compatibility



11 PCI-E Slots



11 PCI-E Slots



MODEL	SuperServer® SYS-6047R-TXRF	SuperServer® SYS-7047R-TXRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Virtualization Powerful multi tasking (financial analysis, digital video editing, engineering design, scientific computing) 	<ul style="list-style-type: none"> Virtualization Powerful multi tasking (financial analysis, digital video editing, engineering design, scientific computing)
Outstanding Features	<ul style="list-style-type: none"> 10 PCI-E 3.0 x8 expansion slots 600W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 10 PCI-E 3.0 x8 expansion slots 1280W Redundant Platinum Level Digital high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DRX+-F	SUPER® X9DRX+-F
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	10 PCI-E 3.0 x8 (10 FHFL) 1 PCI-E 2.0 x4	10 PCI-E 3.0 x8 (10 FHFL) 1 PCI-E 2.0 x4
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports & 8 SATA2 (3Gbps) ports	Intel® C602 controller for 2 SATA3 (6Gbps) ports & 8 SATA2 (3Gbps) ports
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	5x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	90-degree rotatable module 3x 5.25" drive bays 1x slim DVD drive bay (optional)	90-degree rotatable module: 3x 5.25" drive bays
Power Supply	600W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus
Cooling System	1x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with optimal fan speed control	4x 9cm hot-swap cooling fans and 2 x 8cm exhaust fans with optimal fan speed control
Form Factor	4U Rackmount 437 x 178 x 521mm (17.2" x 7" x 20.5")	4U Rackmount/Tower 437 x 178 x 673mm (17.2" x 7" x 26.5")

* Please check with your Supermicro sales representative for compatibility



Storage



Storage Expandable



MODEL	SuperStorage SSG-6047R-E1R24N	SuperStorage SSG-6047R-E1R24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families Socket R with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> High Capacity Expandable storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server 	<ul style="list-style-type: none"> High Capacity Expandable Storage Next Generation Copy-on-write file systems Streaming Media, Data Recording, Video Surveillance Compliance Storage Business Continuity Disk-to-Disk Backup / Archive Virtual Tape Applications
Outstanding Features	<ul style="list-style-type: none"> Offers great performance in the widest number of storage applications 24 DIMM slots Hardware RAID Avago2108(AOC) 920W Platinum Level (94%+) power supply Lights-out management Hardware RAID Avago2108(AOC) Single JBOD Expansion Port Dual JBOD expansion ports 	<ul style="list-style-type: none"> OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity Dual JBOD Expansion Ports Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply Lights-out management
Serverboard	SUPER® X9DRi-LN4F+	SUPER® X9DRD-7LN4F-JBOD
Chipset	Intel® C602 chipset	Intel® C602J Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8)	5x PCI-E 3.0 x8 slots (Full Height Half Length)
Onboard Storage Controller	Hardware RAID Avago® 2108(AOC)	ITMode / HBA Avago® 2308
Connectivity	Quad-1GbE, Dual JBOD expansion ports	Quad-1GbE, Dual JBOD expansion ports
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port
Drive Bays	24x 3.5" hot-swap SAS/SATA drive bays; Optional 2x 2.5" hot-swap SATA drive bays	24x 3.5" hot-swap SAS/SATA drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)
Peripheral Bays	N/A	N/A
Power Supply	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
Cooling System	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control
Form Factor	4U Rackmount 437 x 178 x 660mm (17.2" x 7" x 26")	4U Rackmount 437 x 178 x 660mm (17.2" x 7" x 26")

* Please check with your Supermicro sales representative for compatibility



*Storage
HW SAS3 controller
Storage Expandable*



*Storage
SAS3 IT Mode controller
Storage Expandable*



MODEL	SuperStorage SSG-6047R-E1CR36N	SuperStorage SSG-6047R-E1CR36L
Processor Support	Intel® Xeon® processor E5-2600v2 series with QPI up to dual 8.0GT/s	Intel® Xeon® processor E5-2600v2 series with QPI up to dual 8.0GT/s
Key Applications	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN 	<ul style="list-style-type: none"> • Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> • 1280W Platinum Level redundant high-efficiency power supplies • 130W CPU support • 24 DIMM slots • Dual JBOD Expansion Ports • High-density, Enterprise Performance, Cost-effective • IPMI 2.0 management with dedicated LAN 	<ul style="list-style-type: none"> • Avago® 3008 SAS3 controller in IT Mode • 36x 3.5" Hot-swap SAS3 bays • 130W CPU support • 16 DIMM slots • 512GB DDR3 SDRAM • Dual JBOD Expansion Ports • 1280W Platinum Level redundant high-efficiency power supplies
Serverboard	SUPER® X9DRi-LN4F+	SUPER® X9DRD-EF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 768GB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 24 DIMM slots	Up to 1TB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 1 PCI-E 3.0 x8 1 PCI-E 3.0 x8 (in x4 slot) Slot 1 & 2 occupied by controller and JBOD Expansion Port	6 PCI-E 3.0 x8 (LP, HL) Slot 1 & 2 occupied by HBA and JBOD Expansion Port
Onboard Storage Controller	Avago® 3108 SAS3 add-on controller card	Avago® 3008 Add-on controller in IT Mode
Connectivity	2 fast UART 16550 serial; 2 COM Ports (1 rear, 1 header)	Dual LAN with Intel® i350 Gigabit Ethernet Controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI2.0; SuperDoctor III; Watchdog	IPMI2.0; SuperDoctor III; Watchdog
Drive Bays	36x 3.5" hot-swap SAS3 /SATA3 drive bays; Optional 4x 2.5" internal fixed drive bays	36x 3.5" hot-swap SAS3 /SATA3 drive bays; Optional rear 2x 2.5" hot-swap drive bay; 4x 2.5" internal fixed drive bay
Peripheral Bays	N/A	N/A
Power Supply	1280W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	7x 8cm high-performance PWM fans, air shroud	7x 8cm high-performance PWM fans, air shroud
Form Factor	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")

* Please check with your Supermicro sales representative for compatibility



**Double-Sided Storage
HW RAID Expandable**



Double-Sided Storage



Double-Sided Storage



MODEL	SuperStorage SSG-6047R-E1R36N	SuperStorage SSG-6047R-E1R36L	SuperStorage SSG-6047R-E1R72L SSG-6047R-E1R72L2K
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families Socket R with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families Socket R with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families Socket R with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> High Capacity Expandable storage with HW RAID. Compute Intensive Storage Applications, Data Deduplication Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server 	<ul style="list-style-type: none"> High Capacity Expandable Storage Next Generation Copy-on-write file systems Streaming Media, Data Recording, Video Surveillance Compliance Storage Business Continuity Disk-to-Disk Backup / Archive Virtual Tape Applications 	<ul style="list-style-type: none"> CDN Media/Streaming NAS and IP-SAN Unstructured Data Storage Virtual Tape
Outstanding Features	<ul style="list-style-type: none"> Offers great performance in the widest number of storage applications 24 DIMM slots Hardware RAID Avago2108(AOC) 1280W Redundant Platinum Level Digital (95%) power supply Lights-out management Dual JBOD expansion ports 	<ul style="list-style-type: none"> Dual JBOD Expansion Ports Quad LAN with Intel® i350 Gigabit Ethernet Controller Up to 95% Power Efficiency Lights-out management Lowest Cost Per TB when fully loaded with High capacity SATA HDDs High Density Double-sided Storage 	<ul style="list-style-type: none"> 130W CPU support 16 DIMM slots Cost optimized IT Mode/HBA Supports up to 72 HDD/SSD
Serverboard	SUPER® X9DRi-LN4F+	SUPER® X9DRD-7LN4F-JBOD	SUPER® X9DRD-7LN4F-JBOD
Chipset	Intel® C602 chipset	Intel® C602J Chipset	Intel® C602J Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8)	5x PCI-E 3.0 x8 slots (Low-profile)	2x slots occupied by IT Mode disk controllers Avago® 2308; 4x Low profile slots available
Onboard Storage Controller	Hardware RAID Avago® 2108(AOC)	ITMode / HBA Avago® 2308	Intel® C602J AHCI controller for 2 SATA3 (6Gbps) ports; RAID 4SATA2 (3Gbps)0,1,5,10; Avago® 2308 controller for 8 SAS2 (6Gbps) ports; RAID (for -7(J)LN4F only); Optional IT Mode JBOD HDD support (-J SKU);
Connectivity	Quad-1GbE, Dual JBOD expansion ports	Quad-1GbE, Dual JBOD expansion ports	Quad LAN with Intel® i350 Gigabit Ethernet Controllers;
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port
Drive Bays	36x 3.5" hot-swap SAS/SATA drive bays	36x 3.5" hot-swap SAS/SATA drive bays	72x 3.5" hot-swap SAS2/SATA3 drive bays with SES2 and 2x 2.5" rear hot swap drive bays + 2x 2.5" Internal fixed drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1280W Redundant Platinum Level Digital (95%) high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	-E1R72L: 3x 1280W Redundant (2+1) Platinum Level Digital high-efficiency power supplies with PMBus -E1R72L2K: 2x 2000W Redundant (1+1) Platinum Level Digital high-efficiency power supplies with PMBus
Cooling System	7x 8cm hot-swap cooling fans with air shroud with optimal fan speed control 4U Rackmount	7x 8cm hot-swap cooling fans with air shroud with optimal fan speed control 4U Rackmount	7x 92mm hot-swap fan
Form Factor	437 x 178 x 699mm (17.2" x 7" x 27.5")	437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 889mm (17.2" x 7" x 35")

* Please check with your Supermicro sales representative for compatibility



4U 8-GPU/Xeon Phi™



4U 8-GPU/Xeon Phi™



MODEL	SuperServer® SYS-4027GR-TR	SuperServer® SYS-4027GR-TRT
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud Computing with GPUs • GRID Certified Solution • HPC 	<ul style="list-style-type: none"> • Cloud Computing with GPUs • GRID Certified Solution • HPC
Outstanding Features	<ul style="list-style-type: none"> • Highest GPU density- 8 GPU / Xeon® Phi™ cards in 4U • 300W GPU / Xeon® Phi™ cards supported • 150W CPUs supported • Highest memory capacity- 24 DIMM slots • GbE / 10GbE option • Flexible expansion slots • (2+2) Redundant 1600W Platinum Level power supplies 	<ul style="list-style-type: none"> • Highest GPU density- 8 GPU / Xeon® Phi™ cards in 4U • 300W GPU / Xeon® Phi™ cards supported • 150W CPUs supported • Highest memory capacity- 24 DIMM slots • GbE / 10GbE option • Flexible expansion slots • (2+2) Redundant 1600W Platinum Level power supplies
Serverboard	SUPER® X9DRG-OF-CPU, X9DRG-O-PCI-E	SUPER® X9DRG-OTF-CPU, X9DRG-O-PCI-E
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	8x PCI-E 3.0 x16 FHFL support up to 8 double width GPU cards 2x PCI-E 3.0 x8 (in x16) 1x PCI-E 2.0 x4 (in x16)	8x PCI-E 3.0 x16 FHFL support up to 8 double width GPU cards 2x PCI-E 3.0 x8 (in x16) 1x PCI-E 2.0 x4 (in x16)
Onboard Storage Controller	Intel® C602 SCU controller for 4 SATA2 (6Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,5,10	Intel® C602 SCU controller for 4 SATA2 (6Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual IAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS/SATA/SSD bays	24x 2.5" hot-swap SAS/SATA/SSD bays
Peripheral Bays	N/A	N/A
Power Supply	Four 1600W (2+2) Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	Four 1600W (2+2) Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	8x 92mm heavy duty counter-rotating fans with air shroud & optimal fan speed control	8x 92mm heavy duty counter-rotating fans with air shroud & optimal fan speed control
Form Factor	4U Rackmount 437 x 178 x 737mm (17.2" x 7" x 29")	4U Rackmount 437 x 178 x 737mm (17.2" x 7" x 29")

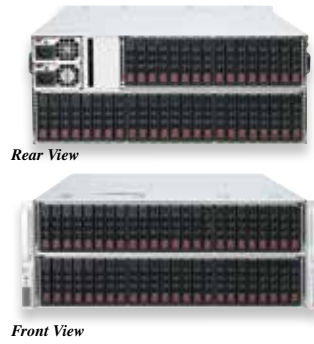
* Please check with your Supermicro sales representative for compatibility



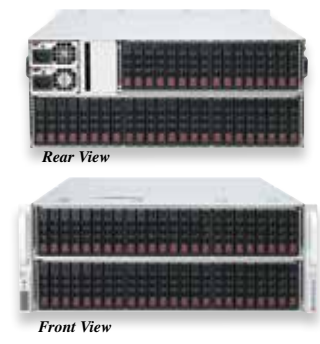
90x 3.5"/2.5" Top Loading SAS3 HDDs



High-Density Double-Sided Storage



High-Density Double-Sided Storage



MODEL	SuperStorage CSE-946ED-R2KJBOD	SuperStorage CSE-417E16-RJBOD2	SuperStorage CSE-417E26-RJBOD1
Processor Support	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Key Applications	<ul style="list-style-type: none"> Extreme High Density and High Capacity Dual-path Storage Enclosure 	<ul style="list-style-type: none"> Corporate Database, Data Warehouse, Media/Streaming, Video-on-Demand, iSCSI, Security, Digital Imaging 	<ul style="list-style-type: none"> Corporate Database, Data Warehouse, Media/Streaming, Video-on-Demand, iSCSI, Security, Digital Imaging
Outstanding Features	<ul style="list-style-type: none"> Support 90x 3.5" or 2.5" Top Loading SAS3 12Gbps Hot-swappable HDDs Hot-swappable Expanders with redundant BMC for Remote System Power on/off and monitoring Hot-swappable Tool-less Modular Design for Easy Service and Easy Maintenance High Performance up to 20+ Gbps data transfer rate Flexible to configure up to 4 Hosts HDD Zoning and individual HDD power cycling Slide Rails and Cable Management Arm included 	<ul style="list-style-type: none"> High-Density Double-Sided Storage 88x 2.5" HDDs (SAS/Enterprise SATA) Redundant (1+1) Gold Level power supplies Redundant Cooling System Single/Dual connection 6Gbps SAS Expanders Bundled with all necessary JBOD components (Power control card & cabling) 	<ul style="list-style-type: none"> High-Density Double-Sided Storage 88x 2.5" HDDs (SAS/Enterprise SATA) Redundant (1+1) Gold Level power supplies Redundant Cooling System Single/Dual connection 6Gbps SAS Expanders Bundled with all necessary JBOD components (Power control card & cabling)
Serverboard/Chipset	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
System Memory (Max.)*	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Expansion Slots	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Onboard Storage Controller	N/A (please refer to Server Model)	4-port cable	4-port cable
Connectivity/VGA/Audio	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Management	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Drive Bays	90x 3.5"/2.5" hot-swap SAS drive bay with SES3	88x 2.5" hot-swap SAS/Enterprise SATA drive bays & Cascading up to 240 HDDs	88x 2.5" hot-swap SAS/Enterprise SATA drive bays & Cascading up to 240 HDDs
Peripheral Bays	N/A (please refer to Server Model)	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Power Supply	4x 1U 1000W Redundant Titanium Level Power Supply	1400W Redundant Gold Level power supplies with PMBus built-in & power control card with I ² C & PMBus	1400W Redundant Gold Level power supplies with PMBus built-in & power control card with I ² C & PMBus
Cooling System	5x 80mm heavy duty fans with PWM fan speed control	7x 8cm hot-swap cooling fans, 100% Redundant Cooling	7x 8cm hot-swap cooling fans, 100% Redundant Cooling
Form Factor	4U Rackmount 447 x 178 x 906mm (17.6" x 7" x 35.66")	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")

* Please check with your Supermicro sales representative for compatibility



High-Density Double-Sided Storage



Rear View



Front View

High-Density Double-Sided Storage



Rear View



Front View

MODEL	SuperStorage CSE-847E16-RJBOD1 CSE-847E26-RJBOD1	SuperStorage CSE-837E16-RJBOD1 CSE-837E26-RJBOD1
Processor Support	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Key Applications	<ul style="list-style-type: none"> Corporate Database, Data Warehouse, Media/Streaming, Video-on-Demand, iSCSI, Security, Digital Imaging 	<ul style="list-style-type: none"> Corporate Database, Data Warehouse, Media/Streaming, Video-on-Demand, iSCSI, Security, Digital Imaging
Outstanding Features	<ul style="list-style-type: none"> High-Density Double-Sided Storage 45x 3.5" HDDs (SAS/Enterprise SATA) Redundant (1+1) Gold Level power supplies Redundant Cooling System Single/Dual connection 6Gbps SAS Expanders Bundled with all necessary JBOD components (Power control card & cabling) 	<ul style="list-style-type: none"> High-Density Double-Sided Storage 28x 3.5" HDDs (SAS/Enterprise SATA) Redundant (1+1) Platinum Level power supplies Redundant Cooling System Single/Dual connection 6Gbps SAS Expanders Bundled with all necessary JBOD components (Power control card & cabling)
Serverboard/Chipset	N/A (please refer to Server Model)	N/A (please refer to Server Model)
System Memory (Max.)*	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Expansion Slots	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Onboard Storage Controller	4-port cable for CSE-847E16-RJBOD1 and CSE-847E26-RJBOD1 models	4-port cable for CSE-837E16-RJBOD1 and CSE-837E26-RJBOD1 models
Connectivity/VGA/Audio	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Management	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Drive Bays	45x 3.5" hot-swap SAS/Enterprise SATA drive bays & Cascading up to 240 HDDs	28x 3.5" hot-swap SAS/Enterprise SATA drive bays & Cascading up to 240 HDDs
Peripheral Bays	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Power Supply	1400W Redundant Gold Level power supplies with PMBus built-in & power control card with I ² C & PMBus	920W Redundant Platinum Level power supplies with PMBus built-in & power control card with I ² C & PMBus
Cooling System	7x 8cm hot-swap cooling fans, 100% Redundant Cooling	3x 8cm hot-swap cooling fans, Redundant Cooling
Form Factor	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Future Intel® Xeon® Processor E5-2600 v4 Product Family (Broadwell) Supported

TwinPro™ /Twin

Up to 4 PCI-E SSDs • Four or Two Hot-Pluggable Nodes in 2U • 2 nodes in 1U

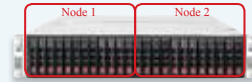
Supports up to: • 36 Cores per Node and 145W TDP • 1TB DDR4-2133MHz in 16 DIMMs • SAS 3.0 (12Gbps) • NVMe
• 12 HDDs/Node • FDR (56Gbps) InfiniBand/40G Ethernet • 10GBase-T • Redundant Titanium Level Digital Power Supplies

1U TwinPro™



1028TP-DTR / 1028TP-DTTR / 1028TP-DFR
1028TP-DC1R / 1028TP-DC1TR / 1028TP-DC1FR
2 hot swappable nodes in 1U
Redundant Titanium Level power,
SAS 3.0 (12Gbps) support

2U TwinPro™



2028TP-DEC(F)(T)R
Expander to support 12x SAS 3.0 HDDs provided



2028TP-DNC(T)(F)R
Up to 4x NVMe + 8x SAS 3.0 drives (per node)



6028TP-DNC(T)(F)R
Up to 4x NVMe + 2x SAS 3.0 drives (per node),
Up to 6x SAS 3.0 support (per node)

TwinPro2™

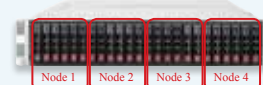


2028TP-H Series
4 DP Nodes in 2U, 24x 2.5" SAS3/SATA3 drives

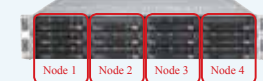


6028TP-H Series
4 DP Nodes in 2U, 12x 3.5" SAS3/SATA3 drives

Twin2™ / Twin



2028TR-H Series
4 DP Nodes in 2U, 24x 2.5" SAS2/SATA3 drives



6028TR-H Series
4 DP Nodes in 2U, 12x 3.5" SAS2/SATA3 drives



6028TR-D Series
2 DP Nodes in 2U, 12x 3.5" SAS2/SATA3 drives

Four or Two hot-pluggable Systems (Nodes) in a 2U form factor



The Supermicro Twin SuperServer® systems are a family of high-density 2U hot-plug node servers available with a variety of memory capacities, HDD technologies, PCI alternatives, networking capabilities, and GPU support options. The 2U TwinPro™/Twin systems support up to: 1TB of DDR4-2133MHz ECC LR DIMM memory in 16 DIMM slots, 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8, and 1 PCI-E 3.0 x16 "0" slot, GPU/Xeon Phi™ support, 8 ports of Avago® 3008/3108 SAS 3.0 (12Gbps) with optional SuperCap (CacheVault), 8 ports of SATA 3.0 (6Gbps), 12 ports SAS 3008 w/ expander, up to 4 NVMe, Single FDR (56Gbps) InfiniBand/40G Ethernet, dual 10GBase-T, integrated IPMI 2.0 with KVM over dedicated LAN, and dual Intel® Xeon® processor E5-2600 v3 product family up to 36 cores per node and 145W TDP.

The Supermicro Twin Family represents a revolution in Green Computing designed to support customers' critical applications and also reduce Data Center TCO to help preserve the environment. The 2U TwinPro™/Twin family extends the compute and storage capabilities of Supermicro's 2U Twin and 1U Twin family SuperServer® systems to achieve increased performance and power efficiency. Due to their shared components the Twin Family products improve cost-effectiveness and reliability over rackmount servers, while their modular architecture make them flexible to configure and easy to maintain. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Versatile configurations allow the Twin Servers to be optimized for many different environments including Enterprise, Data Center, Cloud Computing, HPC, Financial, Science and Engineering, File and Storage Servers.

New! 1U TwinPro™

2 hot swappable nodes in 1U

Redundant Titanium level power supply



TwinPro™/Twin

MODEL	SuperServer® SYS-1028TP-DC0R SYS-1028TP-DC1R	SuperServer® SYS-1028TP-DC0TR SYS-1028TP-DC1TR	SuperServer® SYS-1028TP-DC0FR SYS-1028TP-DC1FR
Processor Support	Dual set of Dual Intel Xeon Processor E5-2600 v3 product families, CPU support up to 145W TDP	Dual set of Dual Intel Xeon Processor E5-2600 v3 product families, CPU support up to 145W TDP	Dual set of Dual Intel Xeon Processor E5-2600 v3 product families, CPU support up to 145W TDP
Key Applications	<ul style="list-style-type: none"> Mission-critical applications High Availability Storage Appliance Platform 	<ul style="list-style-type: none"> Mission-critical applications High Availability Storage Appliance Platform 	<ul style="list-style-type: none"> Mission-critical applications High Availability Storage Appliance Platform
Outstanding Features	<ul style="list-style-type: none"> 2 hot swappable nodes in 1U Avago® 3108 SAS3 controller (DC1R) / (DC1TR) / (DC1FR) Avago® 3008 SAS3 controller (DC0R) / (DC0TR) / (DC0FR) 1x PCI-E 3.0 x16 Low-profile slot and 1x "0" slot Intel® i350-AM2 Dual port GbE LAN 1000W Redundant Power Supplies 	<ul style="list-style-type: none"> 2 hot swappable nodes in 1U Avago® 3108 SAS3 controller (DC1R) / (DC1TR) / (DC1FR) Avago® 3008 SAS3 controller (DC0R) / (DC0TR) / (DC0FR) 1x PCI-E 3.0 x16 Low-profile slot and 1x "0" slot Intel® X540 Dual port 10GBase-T LAN 1000W Redundant Power Supplies 	<ul style="list-style-type: none"> 2 hot swappable nodes in 1U Avago® 3108 SAS3 controller (DC1R) / (DC1TR) / (DC1FR) Avago® 3008 SAS3 controller (DC0R) / (DC0TR) / (DC0FR) 1x PCI-E 3.0 x16 Low-profile slot and 1x "0" slot Single port FDR (56Gbps) IB w/ QSFP connector Intel® i350 Dual port GbE LAN 1000W Redundant Power Supplies
Serverboard	SUPER● X10DRT-P	SUPER● X10DRT-PT	SUPER● X10DRT-PIBF
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Dual set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Dual set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Dual set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	Dual set of Low-profile PCI-E x16 slot 1x "0" slot (-DC0R)	Dual set of Low-profile PCI-E x16 slot 1x "0" slot (-DC0R)	Dual set of Low-profile PCI-E x16 slot 1x "0" slot (-DC0R)
Onboard Storage Controller	<p>-DC0R: Dual set of Avago® 3008 SW RAID for 4 SAS3 (12 Gbps) ports; RAID 0,1,10;</p> <p>-DC1R: Dual set of Avago® 3108 HW RAID for 4 SAS3 (12 Gbps) ports; RAID 0,1,5,6,10</p>	<p>-DC0TR: Dual set of Avago® 3008 SW RAID for 4 SAS3 (12 Gbps) ports; RAID 0,1,10;</p> <p>-DC1TR: Dual set of Avago® 3108 HW RAID for 4 SAS3 (12 Gbps) ports; RAID 0,1,5,6,10</p>	<p>-DC0FR: Dual set of Avago® 3008 SW RAID for 4 SAS3 (12 Gbps) ports; RAID 0,1,10;</p> <p>-DC1FR: Dual set of Avago® 3108 HW RAID for 4 SAS3 (12 Gbps) ports; RAID 0,1,5,6,10</p>
Connectivity	Dual set of Dual 1GbE ports with Intel® i350 Ethernet controller	Dual set of Dual 10GBase-T ports with Intel® X540 Ethernet controller	Dual set of Dual 1GbE ports with Intel® i350 Ethernet controller, and; Single FDR infiniband port with Mellanox Connect-X3
VGA/Audio	Dual set of Aspeed AST2400 BMC	Dual set of Aspeed AST2400 BMC	Dual set of Aspeed AST2400 BMC
Management	Dual set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Dual set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Dual set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Dual set of 4x 2.5" hot-swap SAS3/SATA3 drive bays	Dual set of 4x 2.5" hot-swap SAS3/SATA3 drive bays	Dual set of 4x 2.5" hot-swap SAS3/SATA3 drive bays
Power Supply	1000W Redundant Titanium Level high-efficiency power supplies with I²C & PMBus	1000W Redundant Titanium Level high-efficiency power supplies with I²C & PMBus	1000W Redundant Titanium Level high-efficiency power supplies with I²C & PMBus
Cooling System	Dual set of 3x heavy duty counter rotating fans with air shroud and optimal fan speed control	Dual set of 3x heavy duty counter rotating fans with air shroud and optimal fan speed control	Dual set of 3x heavy duty counter rotating fans with air shroud and optimal fan speed control
Form Factor	1U Rackmount	1U Rackmount	1U Rackmount

* Please check with your Supermicro sales representative for compatibility

New! 1U TwinPro™

2 hot swappable nodes in 1U

Redundant Titanium level power supply



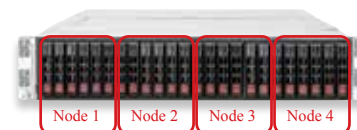
TwinPro™/Twin

MODEL	SuperServer® SYS-1028TP-DTR	SuperServer® SYS-1028TP-DTTR	SuperServer® SYS-1028TP-DTFR
Processor Support	Dual set of Dual Intel Xeon Processor E5-2600 v3 product families, CPU support up to 145W TDP	Dual set of Dual Intel Xeon Processor E5-2600 v3 product families, CPU support up to 145W TDP	Dual set of Dual Intel Xeon Processor E5-2600 v3 product families, CPU support up to 145W TDP
Key Applications	<ul style="list-style-type: none"> Mission-critical applications High Availability Storage Appliance Platform 	<ul style="list-style-type: none"> Mission-critical applications High Availability Storage Appliance Platform 	<ul style="list-style-type: none"> Mission-critical applications High Availability Storage Appliance Platform
Outstanding Features	<ul style="list-style-type: none"> 2 hot swappable nodes in 1U 1x PCI-E 3.0 x16 Low-profile slot and 1x "0" slot Intel® i350 Dual port GbE LAN 1000W Redundant Power Supplies 	<ul style="list-style-type: none"> 2 hot swappable nodes in 1U 1x PCI-E 3.0 x16 Low-profile slot and 1x "0" slot Intel® X540 Dual port 10GBase-T LAN 1000W Redundant Power Supplies 	<ul style="list-style-type: none"> 2 hot swappable nodes in 1U 1x PCI-E 3.0 x16 Low-profile slot and 1x "0" slot Single port FDR (56Gbps) IB w/ QSFP connector Intel® i350 Dual port GbE LAN 1000W Redundant Power Supplies
Serverboard	SUPER® X10DRT-P	SUPER® X10DRT-PT	SUPER® X10DRT-PIBF
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Dual set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Dual set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Dual set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	Dual set of low-profile PCI-E x16; 1x "0" slot	Dual set of low-profile PCI-E x16; 1x "0" slot	Dual set of low-profile PCI-E x16; 1x "0" slot
Onboard Storage Controller	Dual set of Intel® C612 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Dual set of Intel® C612 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Dual set of Intel® C612 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	Dual set of Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller;	Dual set of Dual LAN with Intel® i350 Gigabit Ethernet controller Dual set of Single FDR infiniband with Mellanox Connect-X3
VGA/Audio	Dual set of Aspeed AST2400 BMC	Dual set of Aspeed AST2400 BMC	Dual set of Aspeed AST2400 BMC
Management	Dual set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Dual set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Dual set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Dual set of 4x 2.5" hot-swap SATA drive bays	Dual set of 4x 2.5" hot-swap SATA drive bays	Dual set of 4x 2.5" hot-swap SATA drive bays
Power Supply	1000W Redundant Titanium Level high-efficiency power supplies with iFC & PMBus	1000W Redundant Titanium Level high-efficiency power supplies with iFC & PMBus	1000W Redundant Titanium Level high-efficiency power supplies with iFC & PMBus
Cooling System	Dual set of 3x heavy duty counter rotating fans with air shroud and optimal fan speed control	Dual set of 3x heavy duty counter rotating fans with air shroud and optimal fan speed control	Dual set of 3x heavy duty counter rotating fans with air shroud and optimal fan speed control
Form Factor	1U Rackmount	1U Rackmount	1U Rackmount

* Please check with your Supermicro sales representative for compatibility

2U TwinPro²™

4 hot-swap nodes in 2U w/ 2.5" or 3.5" HDDs
New! Intel® Xeon® E5-2600 v3 product family support



SYS-2028TP-H Series
4 DP Nodes in 2U, 24x 2.5" SAS3/SATA drives

MODEL	SuperServer® SYS-2028TP-HC1R SYS-2028TP-HC1TR SYS-2028TP-HC1FR	SuperServer® SYS-2028TP-HC0R SYS-2028TP-HC0TR SYS-2028TP-HC0FR	SuperServer® SYS-2028TP-HTR SYS-2028TP-HTTR SYS-2028TP-HTFR
Processor Support	Quad set of dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s; CPU TDP support Up to 145W	Quad set of Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 1 Low-profile PCI-E 3.0 x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays • SAS 3.0, 40G Ethernet, FDR IB 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays • SAS 3.0, 40G Ethernet, FDR IB 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays • SAS 3.0, 40G Ethernet, FDR IB
Serverboard	-HC1R: SUPER● X10DRT-P -HC1TR: SUPER● X10DRT-PT -HC1FR: SUPER● X10DRT-PIBF	-HC0R: SUPER● X10DRT-P -HC0TR: SUPER● X10DRT-PT -HC0FR: SUPER● X10DRT-PIBF	-HTR: SUPER● X10DRT-P -HTTR: SUPER● X10DRT-PT -HTFR: SUPER● X10DRT-PIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E 3.0 x16	Quad set of low-profile PCI-E 3.0 x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E 3.0 x16; 1 x16 "0 slot"
Onboard Storage Controller	Quad set of Avago® 3108 HW RAID SAS 3.0 (12Gbps); RAID 0,1,5,6,10,50 w/ optional SuperCap	Quad set of Avago® 3008 SW RAID 12Gbps SAS 3.0 controller; RAID 0,1,10	Quad set of Intel® C612 AHCI controller for 6 SATA3 (6Gbps); RAID 0,1,5,10
Connectivity	-HC1R: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HC1TR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HC1FR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-HC0R: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HC0TR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HC0FR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-HTR: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HTTR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HTFR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SATA drive bays
Power Supply	Redundant 2000W Titanium Level high-efficiency power supplies with I²C & PMBus	Redundant 2000W Titanium Level high-efficiency power supplies with I²C & PMBus	Redundant 2000W Titanium Level high-efficiency power supplies with I²C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility

2U TwinPro²™

4 hot-swap nodes in 2U w/ 3.5" HDDs
New! Intel® Xeon® E5-2600 v3 product family support



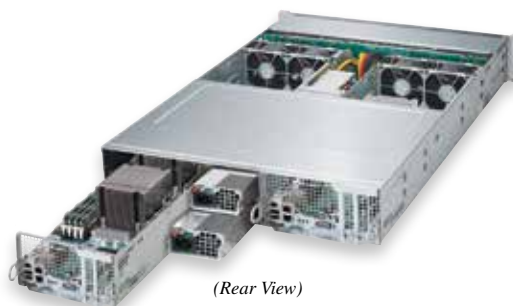
SYS-6028TP-H Series
4 DP Nodes in 2U, 12x 3.5" SAS3/SATA3 drives

MODEL	SuperServer® SYS-6028TP-HC1R SYS-6028TP-HC1TR SYS-6028TP-HC1FR	SuperServer® SYS-6028TP-HC0R SYS-6028TP-HC0TR SYS-6028TP-HC0FR	SuperServer® SYS-6028TP-HTR SYS-6028TP-HTTR SYS-6028TP-HTFR
Processor Support	Quad set of Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 1 Low-profile PCI-E 3.0 x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays • SAS3, 10G, 40G Ethernet, FDR 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays • SAS3, 10G, 40G Ethernet, FDR 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays • SAS3, 10G, 40G Ethernet, FDR
Serverboard	-HC1R: SUPER● X10DRT-P -HC1TR: SUPER● X10DRT-PT -HC1FR: SUPER● X10DRT-PIBF	-HC0R: SUPER● X10DRT-P -HC0TR: SUPER● X10DRT-PT -HC0FR: SUPER● X10DRT-PIBF	-HTR: SUPER● X10DRT-P -HTTR: SUPER● X10DRT-PT -HTFR: SUPER● X10DRT-PIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E 3.0 x16	Quad set of low-profile PCI-E 3.0 x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E 3.0 x16; 1 x16 "0 slot"
Onboard Storage Controller	Quad set of Avago® 3108 HW RAID SAS 3.0 (12Gbps); RAID 0,1,5,10 w/ optional SuperCap	Quad set of Avago® 3008 SW RAID 12Gbps SAS 3.0 controller; RAID 0,1,10	Quad set of Intel® C612 AHCI controller for 3 SATA3 (6Gbps); RAID 0,1,5,10
Connectivity	-HC1R: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HC1TR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HC1FR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-HC0R: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HC0TR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HC0FR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-HTR: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HTTR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HTFR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SATA drive bays
Power Supply	Redundant 2000W Titanium Level high-efficiency power supplies with I²C & PMBus	Redundant 2000W Titanium Level high-efficiency power supplies with I²C & PMBus	Redundant 2000W Titanium Level high-efficiency power supplies with I²C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")

* Please check with your Supermicro sales representative for compatibility

2U TwinPro™

2 hot-swap nodes in 2U w/ up to 4 NVMe per Node
New! Intel® Xeon® E5-2600 v3 product family support



SYS-2028TP-DNC/(T)(F)R
Up to 4x NVMe + 8x SAS 3.0 drives (per node)



SYS-6028TP-DNC/(T)(F)R
Up to 4x NVMe + 2x SAS 3.0 drives (per node), or
Up to 6x SAS 3.0 support (per node)

MODEL	SuperServer® SYS-2028TP-DNCR SYS-2028TP-DNCTR SYS-2028TP-DNCFR	SuperServer® SYS-6028TP-DNCR SYS-6028TP-DNCTR SYS-6028TP-DNCFR
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • NVMe support • Up to 2 Low Profile Add-On-Cards • Redundant 1600W Titanium Level high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support 	<ul style="list-style-type: none"> • NVMe support • Up to 2 Low Profile Add-On-Cards • Redundant 1600W Titanium Level high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support
Serverboard	-DNCR: SUPER® X10DRT-P -DNCTR: SUPER® X10DRT-PT -DNCFR: SUPER® X10DRT-PIBF	-DNCR: SUPER® X10DRT-P -DNCTR: SUPER® X10DRT-PT -DNCFR: SUPER® X10DRT-PIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8	Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8
Onboard Storage Controller	Twin set of Avago® 3008 SAS 3.0 (12Gbps); RAID 0,1,10	Twin set of Avago® 3008 SAS 3.0 (12Gbps); RAID 0,1,10
Connectivity	-DNCR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller -DNCTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector -DNCFR: Twin set of FDR (Connect-X3) / 40G Ethernet	-DNCR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller -DNCTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector -DNCFR: Twin set of FDR (Connect-X3) / 40G Ethernet
VGA/Audio	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Twin set 4x NVMe + 8x SAS 3.0 drives	Twin set of 6x 3.5" hot-swap drive bays. Up to 4x NVMe + 2x SAS 3.0 drives (per node); or, up to 6x SAS 3 support
Power Supply	Redundant 1600W Titanium Level high-efficiency power supplies with I ² C & PMBus	Redundant 1600W Titanium Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")

* Please check with your Supermicro sales representative for compatibility

New! 2U TwinPro™

2 hot-swap nodes in 2U w/ 2.5" HDDs
New! Intel® Xeon® E5-2600 v3 product family support



SuperServer® SYS-2028TP-DECR SYS-2028TP-DECFR SYS-2028TP-DECTR	SuperServer® SYS-2028TP-DC1R SYS-2028TP-DC1TR SYS-2028TP-DC1FR	SuperServer® SYS-2028TP-DC0R SYS-2028TP-DC0TR SYS-2028TP-DC0FR	SuperServer® SYS-2028TP-DTR SYS-2028TP-DTTR SYS-2028TP-DTFR
Twin set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
<ul style="list-style-type: none"> • SAS3 3008 with Expander • Up to 2 Low Profile Add-On-Cards + 0 slot • 1280W Platinum Level redundant high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support • 12 hot-swap 2.5" SAS/SATA drive bays per node 	<ul style="list-style-type: none"> • Up to 2 Low Profile Add-On-Cards • Redundant 1280W Platinum Level high-efficiency power supplies • GPU/Xeon Phi or one x16 Internal slot Support • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support 	<ul style="list-style-type: none"> • Up to 2 Low Profile Add-On-Cards + 0 slot • Redundant 1280W Platinum Level high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support • (Full size) mSATA support 	<ul style="list-style-type: none"> • Up to 2 Low Profile Add-On-Cards • Redundant 1280W Platinum Level high-efficiency power supplies • GPU/Xeon Phi or one x16 Internal slot Support • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • (Full size) mSATA support
-DECR: SUPER● X10DRT-P -DECFR: SUPER● X10DRT-PIBF -DNCFTTR: SUPER● X10DRT-PT	-DC1R: SUPER● X10DRT-P -DC1TR: SUPER● X10DRT-PT -DC1FR: SUPER● X10DRT-PIBF	-DC0R: SUPER● X10DRT-P -DC0TR: SUPER● X10DRT-PT -DC0FR: SUPER● X10DRT-PIBF	-DTR: SUPER● X10DRT-P -DTTR: SUPER● X10DRT-PT -DTFR: SUPER● X10DRT-PIBF
Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 and 1 "Zero Slot" card	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 GPU support	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 1 "0 slot"	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 GPU support
Twin set of Avago® 3008 SAS 3.0 (12Gbps); RAID 0,1,10	Twin set of SAS3 Avago® 3108 HW RAID (12Gbps); RAID 0,1,5,6,10,50,60 w/ optional SuperCap	Twin set of Avago® 3008 SAS 3.0 12Gbps controller; SW RAID 0,1,10	Twin set of Intel® C612 controller for 8 SATA3 (6Gbps); RAID 0,1,5,10
-DECR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller -DECFR: Twin set of FDR (Connect-X3) / 40G Ethernet -DNCFTTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-DC1R: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DC1TR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DC1FR: Twin set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-DC0R: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DC0TR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DC0FR: Twin set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-DTR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DTTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DTFR: Twin set of FDR (Connect-X3) InfiniBand / 40G Ethernet
Twin set of AST2400 VGA	Twin set of AST2400 VGA	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Twin set 12x 2.5" hot-swap SAS 3008 with Expander	Twin set of 12x 2.5" hot-swap (8x SAS + 4x SATA) drive bays	Twin set of 12x 2.5" hot-swap (8x SAS + 4x SATA) drive bays	Twin set of 8x 2.5" hot-swap SATA drive bays
Redundant 1280W Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 1280W Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	Redundant 1280W Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	Redundant 1280W Platinum Level Digital high-efficiency power supplies with I ² C & PMBus
4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility

2U Twin

Cost-Optimized, 2 hot-swap nodes in 2U w/ 12x 3.5" HDDs
New! Intel® Xeon® E5-2600 v3 product family support



(Rear View)



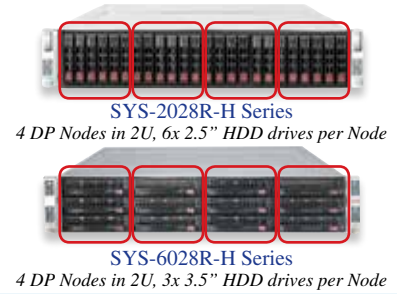
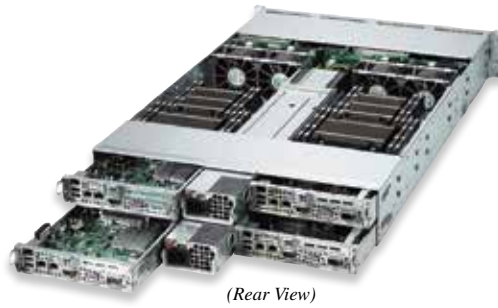
2 DP Nodes in 2U, 6x 3.5" HDD drives per Node

MODEL	SuperServer® SYS-6028TR-DTR	SuperServer® SYS-6028TR-D72R
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> Data Center Web Server HPC Virtualization 	<ul style="list-style-type: none"> Data Center Web Server HPC Virtualization
Outstanding Features	<ul style="list-style-type: none"> 8 DIMM slots IPMI 2.0 + KVM with dedicated LAN 2x SATADOM 2 hot-swappable nodes in 2U 1280W Platinum Level redundant high-efficiency power supplies 	<ul style="list-style-type: none"> Avago® 2208 8 DIMM slots IPMI 2.0 + KVM with dedicated LAN 2x SATADOM 2 hot-swappable nodes in 2U 1280W Platinum Level redundant high-efficiency power supplies
Serverboard	SUPER● X10DRT-H	SUPER● X10DRT-H
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	Twin set of 2x PCI-E 3.0 x8 (FHHL); 1x PCI-E 3.0 x8 (LP)	Twin set of 2x PCI-E 3.0 x8 (FHHL); 1x PCI-E 3.0 x8 (LP)
Onboard Storage Controller	Twin set of Intel® C612 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,10	Twin set of SAS2 (6Gbps) via Avago® 2208; HW RAID supports 0, 1, 5, 6, 10, 50
Connectivity	Twin set of dual LAN with Intel i350 Gigabit Ethernet controller	Twin set of dual LAN with Intel i350 Gigabit Ethernet controller
VGA/Audio	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 6x 3.5" hot-swap SATA3 HDDs	Twin set of 6x 3.5" hot-swap SAS2/SATA3 (Avago® 2208) HDDs
Power Supply	Redundant 1280W Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 1280W Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 80mm heavy duty fans with PWM fan speed control	4x 80mm heavy duty fans with PWM fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility

2U Twin²™

Cost-Optimized, 4 hot-swap nodes in 2U w/ 12x 3.5" and 24x 2.5" HDDs
New! Intel® Xeon® E5-2600 v3 product family support



MODEL	SuperServer® SYS-6028TR-HTR SYS-6028TR-HTFR	SuperServer® SYS-2028TR-H72R SYS-2028TR-H72FR
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> Data Center Web Server HPC Virtualization 	<ul style="list-style-type: none"> Data Center Web Server HPC Virtualization
Outstanding Features	<ul style="list-style-type: none"> 1600W Redundant Titanium Level high-efficiency power supplies 8 DIMM slots IPMI 2.0 + KVM with dedicated LAN 2x SATADOM 4 hot-swappable nodes in 2U 	<ul style="list-style-type: none"> Avago® 2208 1600W Redundant Titanium Level high-efficiency power supplies 8 DIMM slots IPMI 2.0 + KVM with dedicated LAN 2x SATADOM 4 hot-swappable nodes in 2U
Serverboard	-HTR: SUPER® X10DRT-H -HTFR: SUPER® X10DRT-HIBF	-H72R: SUPER® X10DRT-H -H72FR: SUPER® X10DRT-HIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 Low-profile	Quad set of 1 PCI-E 3.0 x16 Low-profile
Onboard Storage Controller	Quad set of Intel® C612 controller for 3 SATA3 (6 Gbps) ports; RAID 0,1	Quad set of SAS2 (6Gbps) via Avago® 2208; HW RAID supports 0,1,5,6,10,50
Connectivity	-HTR: Quad set of dual LAN with Intel® i350 dual Gigabit Ethernet LAN -HTFR: Quad set of dual LAN with Mellanox ConnectX3 single port FDR	-H72R: Quad set of dual LAN with Intel® i350 dual Gigabit Ethernet LAN -H72FR: Quad set of dual LAN with Mellanox ConnectX3 single port FDR
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SATA3 HDDs	Quad set of 6x 2.5" hot-swap SAS2 HDDs
Power Supply	Redundant 1600W Titanium Level high-efficiency power supplies with I ² C & PMBus	Redundant 1600W Titanium Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 80mm heavy duty fans with PWM fan speed control	4x 80mm heavy duty fans with PWM fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")

* Please check with your Supermicro sales representative for compatibility

TwinPro™/Twin

1U Twin ^{TITANIUM}

Cost-Optimized, 2 nodes in 1U w/ 4x 3.5" and 8x 2.5" HDDs
New! Intel® Xeon® E5-2600 v3 (Haswell) product family support



MODEL	SuperServer® SYS-6018TR-T SYS-6018TR-TF	SuperServer® SYS-1028TR-T SYS-1028TR-TF
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	<ul style="list-style-type: none"> • HPC • Data Center • Front End Server 	<ul style="list-style-type: none"> • HPC • Data Center • Front End Server
Outstanding Features	<ul style="list-style-type: none"> • 1000W Titanium Level high-efficiency power supply • IPMI 2.0 Management • IPMI 2.0 + KVM with dedicated LAN • 56GbpsInfiniBand controller onboard (-TF) 	<ul style="list-style-type: none"> • 1000W Titanium Level high-efficiency power supply • IPMI 2.0 Management • IPMI 2.0 + KVM with dedicated LAN • 56GbpsInfiniBand controller onboard (-TF)
Serverboard	-T: SUPER® X10DRT-L -TF: SUPER® X10DRT-LIBF	-T: SUPER® X10DRT-L -TF: SUPER® X10DRT-LIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	Twin set of 1 PCI-E 3.0 x16 (in x16 slot)	Twin set of 1 PCI-E 3.0 x16 (in x16 slot)
Onboard Storage Controller	Twin set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Twin set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-T: Twin set of dual LAN with Intel® i350 dual Gigabit Ethernet LAN -TF: Twin set of FDR (Connect-X3) 56Gbps InfiniBand controller onboard	-T: Twin set of dual LAN with Intel® i350 dual Gigabit Ethernet LAN -TF: Twin set of FDR (Connect-X3) 56Gbps InfiniBand controller onboard
VGA/Audio	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 2x 3.5" hot-swap SATA drive bays	Twin set of 4x 2.5" hot-swap SATA drive bays
Power Supply	1000W Titanium Level high-efficiency power supplies	1000W Titanium Level high-efficiency power supplies
Cooling System	6x 40x56mm counter-rotation PWM fan	6x 40x56mm counter-rotation PWM fan
Form Factor	1U Twin 437 x 44.45 x 705mm (17.2" x 1.75" x 27.75")	1U Twin 437 x 44.45 x 705mm (17.2" x 1.75" x 27.75")

* Please check with your Supermicro sales representative for compatibility



2U TwinPro²



2U TwinPro²



MODEL	SuperServer [®] SYS-2027PR-HTR SYS-2027PR-HTTR SYS-2027PR-HTFR	SuperServer [®] SYS-2027PR-HC0R SYS-2027PR-HC0TR SYS-2027PR-HC0FR
Processor Support	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays
Serverboard	-HTR: SUPER [®] X9DRT-P -HTTR: SUPER [®] X9DRT-PT -HTFR: SUPER [®] X9DRT-PIBF	-HC0R: SUPER [®] X9DRT-P -HC0TR: SUPER [®] X9DRT-PT -HC0FR: SUPER [®] X9DRT-PIBF
Chipset	Intel [®] C602 chipset	Intel [®] C602 chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E x16; 1 x16 "0 slot"
Onboard Storage Controller	Quad set of Intel [®] C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10	Quad set of Avago [®] 3008 12Gbps SAS 3.0 controller; RAID 0,1,10
Connectivity	-HTR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HTTR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HTFR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector	-HC0R: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HC0TR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HC0FR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector
VGA/Audio	Quad set of Matrox [®] G200eW graphics	Quad set of Matrox [®] G200eW graphics
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays
Power Supply	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility



2U TwinPro²



2U TwinPro²



MODEL	SuperServer [®] SYS-6027PR-HC0R SYS-6027PR-HC0TR SYS-6027PR-HC0FR	SuperServer [®] SYS-6027PR-HC1R SYS-6027PR-HC1TR SYS-6027PR-HC1FR
Processor Support	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays
Serverboard	-HC0R: SUPER [®] X9DRT-P -HC0TR: SUPER [®] X9DRT-PT -HC0FR: SUPER [®] X9DRT-PIBF	-HC1R: SUPER [®] X9DRT-P -HC1TR: SUPER [®] X9DRT-PT -HC1FR: SUPER [®] X9DRT-PIBF
Chipset	Intel [®] C602 chipset	Intel [®] C602 chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E x16
Onboard Storage Controller	Quad set of Avago [®] 3008 12Gbps SAS 3.0 controller; RAID 0,1,10	Quad set of Avago [®] 3108 SAS 3.0 (12Gbps); RAID 0,1,5,10
Connectivity	-HC0R: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HC0TR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HC0FR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector	-HC1R: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HC1TR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HC1FR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector
VGA/Audio	Quad set of Matrox [®] G200eW graphics	Quad set of Matrox [®] G200eW graphics
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays
Power Supply	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")

* Please check with your Supermicro sales representative for compatibility



2U TwinPro²



2U TwinPro²



MODEL	SuperServer [®] SYS-2027PR-HC1R SYS-2027PR-HC1TR SYS-2027PR-HC1FR	SuperServer [®] SYS-6027PR-HTR SYS-6027PR-HTTR SYS-6027PR-HTFR
Processor Support	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays
Serverboard	-HC1R: SUPER [®] X9DRT-P -HC1TR: SUPER [®] X9DRT-PT -HC1FR: SUPER [®] X9DRT-PIBF	-HTR: SUPER [®] X9DRT-P -HTTR: SUPER [®] X9DRT-PT -HTFR: SUPER [®] X9DRT-PIBF
Chipset	Intel [®] C602 chipset	Intel [®] C602 chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E x16;	Quad set of low-profile PCI-E x16; 1 x16 "0 slot"
Onboard Storage Controller	Quad set of Avago [®] 3108 SAS 3.0 (12Gbps); RAID 0,1,5,6,10,50	Quad set of Intel [®] C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10
Connectivity	-HC1R: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HC1TR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HC1FR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector	-HTR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HTTR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HTFR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector
VGA/Audio	Quad set of Matrox [®] G200eW graphics	Quad set of Matrox [®] G200eW graphics
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SATA drive bays
Power Supply	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")

* Please check with your Supermicro sales representative for compatibility



2U TwinPro™
GPU Support

2U TwinPro™

2U TwinPro™
GPU Support



TwinPro™/Twin

MODEL	SuperServer® SYS-2027PR-DTR SYS-2027PR-DTTR SYS-2027PR-DTFR	SuperServer® SYS-2027PR-DC0R SYS-2027PR-DC0TR SYS-2027PR-DC0FR	SuperServer® SYS-2027PR-DC1R SYS-2027PR-DC1TR SYS-2027PR-DC1FR
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • 1280W Redundant Platinum Level Digital high-efficiency power supplies • 2 hot swappable nodes in 2U • 8x 2.5" SATA drives • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 1280W Redundant Platinum Level Digital high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 1280W Redundant Platinum Level Digital high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN
Serverboard	-DTR: SUPER● X9DRT-P -DTTR: SUPER● X9DRT-PT -DTFR: SUPER● X9DRT-PIBF	-DC0R: SUPER● X9DRT-P -DC0TR: SUPER● X9DRT-PT -DC0FR: SUPER● X9DRT-PIBF	-DC1R: SUPER● X9DRT-P -DC1TR: SUPER● X9DRT-PT -DC1FR: SUPER● X9DRT-PIBF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 GPU support	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 1 "0 slot"	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 GPU support
Onboard Storage Controller	Twin set of Intel® C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10	Twin set of Avago® 3008 12Gbps SAS 3.0 controller; RAID 0,1,10	Twin set of Avago® 3108 SAS 3.0 (12Gbps); RAID 0,1,5,6,10,50
Connectivity	-HTR: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; -HTTR: Twin set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller; -HTFR: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; 1 M, QSFP connector	-DC0R: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; -DC0TR: Twin set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller; -DC0FR: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; 1 M, QSFP connector	-DC1R: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; -DC1TR: Twin set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller; -DC1FR: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; 1 M, QSFP connector
VGA/Audio	Twin set of Matrox® G200eW graphics	Twin set of Matrox® G200eW graphics	Twin set of Matrox® G200eW graphics
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 8x 2.5" hot-swap SATA drive bays	Twin set of 12x 2.5" hot-swap (8x SAS + 4x SATA) drive bays	Quad set of 12x 2.5" hot-swap (8x SAS + 4x SATA) drive bays
Power Supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with I²C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I²C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I²C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility



**NVMe,
2U TwinPro™**



**NVMe, Dual 10GbE,
2U TwinPro™**



MODEL	SuperServer® SYS-6027PR-DNCR SYS-6027PR-DNCTR SYS-6027PR-DNCFR	SuperServer® SYS-2027PR-DNCR SYS-2027PR-DNCTR SYS-2027PR-DNCFR
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical 	<ul style="list-style-type: none"> • Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	<ul style="list-style-type: none"> • NVMe support • 1 Low-profile PCI-E x16 slot • 1 PCI-E x8 slot • 1280W Platinum Level redundant high-efficiency power supplies • 12x 3.5" HDD drives • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support 	<ul style="list-style-type: none"> • NVMe support • 1 Low-profile PCI-E x16 slot • 1 PCI-E x8 slot • 1280W Platinum Level redundant high-efficiency power supplies • 24x 2.5" HDD drives • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support
Serverboard	SUPER● X9DRT-P	SUPER● X9DRT-P
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8	Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8
Onboard Storage Controller	Twin set of Avago® 3008 SAS 3.0 (12Gbps); RAID 0,1,10	Twin set of Avago® 3008 SAS 3.0 (12Gbps); RAID 0,1,10
Connectivity	-DNCR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DNCTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DNCFR: Twin set of FDR (Connect-X3) / 40G Ethernet	-DNCR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DNCTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DNCFR: Twin set of FDR (Connect-X3) / 40G Ethernet
VGA/Audio	Twin set of Matrox® G200eW	Twin set of Matrox® G200eW
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 6x 3.5" hot-swap drive bays. Up to 4x NVMe + 2x SAS 3.0 drives (per node), or, Up to 6x SAS3 support (per node)	Twin set 4x NVMe + 8x SAS 3.0 drives (per node)
Power Supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility



2UTwin²[®]
16 DIMMs/2.5" HDDs

2UTwin²[®]
16 DIMMs/3.5" HDDs


2UTwin²[®] 2.5" HDDs



TwinPro™/Twin

MODEL	SuperServer [®] SYS-2027TR-H70RF+ SYS-2027TR-H71RF+ SYS-2027TR-H72RF+ SYS-2027TR-HTRF+	SuperServer [®] SYS-6027TR-H70RF+ SYS-6027TR-H71RF+ SYS-6027TR-HTRF+	SuperServer [®] SYS-2027TR-H(T/70/71/72)RF SYS-2027TR-H(T/70/71/72)QRF SYS-2027TR-H(T/70/71/72)FRF
Processor Support	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes, datacenter, data farm, front-end server and other computing intensive applications
Outstanding Features	<ul style="list-style-type: none"> Up to 24x 2.5" drives Hot-swappable computing modules More than double computing density and efficiency Independent power & cooling control IPMI 2.0 + KVM w/ dedicated LAN 1620W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> Up to 24x 3.5" drives Hot-swappable computing modules More than double computing density and efficiency Independent power & cooling control IPMI 2.0 + KVM w/ dedicated LAN 1620W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> 24x 2.5" drives 56Gbps/40Gbps InfiniBand controller onboard Hot-swappable computing modules More than double computing density and efficiency Independent power & cooling control IPMI 2.0 + KVM w/ dedicated LAN 1620W Redundant Platinum Level high-efficiency power supplies
Serverboard	SUPER [®] X9DRT-HF+	SUPER [®] X9DRT-HF+	-H(T/70/71/72)RF: SUPER [®] X9DRT-HF -H(T/70/71/72)QRF: SUPER [®] X9DRT-HIBQF -H(T/70/71/72)FRF: SUPER [®] X9DRT-HIBFF
Chipset	Intel [®] C602 chipset	Intel [®] C602 chipset	Intel [®] C602 chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Quad set of Micro low-profile PCI-E x8	Quad set of Micro low-profile PCI-E x16	Quad set of 1 PCI-E 3.0 x16 via riser card (low-profile)
Onboard Storage Controller	Quad set of Intel [®] C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,5,10 -H72: Quad set of Avago [®] 2208 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H71: Quad set of Avago [®] 2108 6-port 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H70: Quad set of Avago [®] 2008 8-port 6Gbps SAS2 controller; RAID 0,1,10	Quad set of Intel [®] C602 controller for 2 SATA3 (6Gbps) and 1 SATA2 ports; RAID 0,1,5 -H71: Quad set of Avago [®] 2108 3-port 6Gbps SAS2 controller; RAID 0,1,5 -H70: Twin set of Avago [®] 2008 3-port 6Gbps SAS2 controller; RAID 0,1	Quad set of Intel [®] C602 controller for 2 SATA3 (6Gbps), 4 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10 -H72: Quad set of Avago [®] 2208 6-port 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H71: Quad set of Avago [®] 2108 6-port 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H70: Quad set of Avago [®] 2008 6-port 6Gbps SAS2 controller; RAID 0,1,10 with optional KEY for RAID 5
Connectivity	Quad set of Dual LAN with Intel [®] i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Quad set of Dual LAN with Intel [®] i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Quad set of Dual LAN with Intel [®] i350 Gigabit Ethernet controller Quad set of Mellanox ConnectX QDR 40Gbps InfiniBand w/QSFP connector (for 2027TR-H(T/70/71/72)QRF) Quad set of Mellanox ConnectX FDR 56Gbps InfiniBand w/QSFP connector (for 2027TR-H(T/70/71/72)FRF)
VGA/Audio	Quad set of Matrox [®] G200eW graphic	Quad set of Matrox [®] G200eW graphic	Quad set of Matrox [®] G200eW graphic
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")

* Please check with your Supermicro sales representative for compatibility



2UTwin® 3.5" HDDs

2UTwin
16 DIMMs/ 2.5" HDDs

DCO Twin
Data Center Optimized



TwinPro™/Twin

MODEL	SuperServer® SYS-6027TR-H(T/70/71)RF SYS-6027TR-H(T/70/71)QRF SYS-6027TR-H(T/70/71)FRF	SuperServer® SYS-2027TR-D70RF+	SuperServer® SYS-6027TR-DTRL SYS-6027TR-D70RL SYS-6027TR-D71RL
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s; up to 95Watt CPU
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> Application and data serving Data Center Data Farm HPC cluster computer nodes
Outstanding Features	<ul style="list-style-type: none"> 12x 3.5" drives 56Gbps/40Gbps InfiniBand controller onboard Hot-swappable computing modules More than double computing density and efficiency Independent power & cooling control IPMI 2.0 + KVM w/ dedicated LAN 1620W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> Up to 24x 2.5" drives Best performance-per-watt Hot-swappable computing modules Avago® 2008 6Gbps SAS RAID IPMI 2.0 + KVM w/ dedicated LAN 1280W Redundant Platinum Level Digital power supplies 	<ul style="list-style-type: none"> Cost optimized Hot-swappable computing modules IPMI 2.0 + KVM with dedicated LAN Optimized for Power Saving and Improved Cooling Up to 3 add-on cards 500W/740W Redundant Platinum Level high-efficiency power supplies
Serverboard	-H(70/71)TRF: SUPER® X9DRT-HF -H(70/71)QRF: SUPER® X9DRT-HIBQF -H(70/71)FRF: SUPER® X9DRT-HIBFF	SUPER® X9DRT-HF+	SUPER® X9DRT-HF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 via riser card (low-profile)	Twin set of Micro low-profile PCI-E 3.0 x16	Twin set of 3 PCI-E 3.0 x8 via riser card. (2 FHHL, 1 LP)
Onboard Storage Controller	Quad set of Intel® C602 controller for 2 SATA3 (6Gbps), 1 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5 -H71: Quad set of Avago® 2108 3-port 6Gbps SAS2 controller; RAID 0,1,5 -H70: Quad set of Avago® 2008 3-port 6Gbps SAS2 controller; RAID 0,1	Twin set of Intel® C602 controller with 1 SATA DOM (3Gbps) port; Twin set of Avago® 2008 6Gbps SAS2 expander; IT Mode	Intel® C602 AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1,5,10; -DTRL: Twin set of Intel® C602 SCU controller for 1 SATA2 (3Gbps) ports; -D70RL: Twin set of Avago® 2008 controller for 6 SAS2 ports; RAID 0,1,10; -D71RL: Twin set of Avago® 2108 controller for 6 SAS2 ports; RAID 0,1,10
Connectivity	Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller Quad set of Mellanox ConnectX QDR 40Gbps InfiniBand w/QSFP connector (for 6027TR-H(T/70/71)QRF) Quad set of Mellanox ConnectX FDR 56Gbps InfiniBand w/QSFP connector (for 6027TR-H(T/70/71)FRF)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Twin set of 12x 2.5" hot-swap SAS/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	500W/740W Redundant Platinum Level high-efficiency power supplies
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control.
Form Factor	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility



2UTwin
16 DIMMs/ 3.5" HDDs

2UTwin
16 DIMMs/ 3.5" HDDs

2UTwin
16 DIMMs/ 3.5" HDDs



MODEL	SuperServer® SYS-6027TR-DTRF+	SuperServer® SYS-6027TR-D70RF+	SuperServer® SYS-6027TR-D71RF+
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications
Outstanding Features	<ul style="list-style-type: none"> 12x 3.5" drives Hot-swappable computing modules IPMI 2.0 + KVM with dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies 	<ul style="list-style-type: none"> 12x 3.5" drives Hot-swappable computing modules IPMI 2.0 + KVM with dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies 	<ul style="list-style-type: none"> 12x 3.5" drives Hot-swappable computing modules IPMI 2.0 + KVM with dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies
Serverboard	SUPER● X9DRT-HF+	SUPER● X9DRT-HF+	SUPER● X9DRT-HF+
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of Micro low-profile PCI-E x8	Twin set of Micro low-profile PCI-E x8	Twin set of Micro low-profile PCI-E x16
Onboard Storage Controller	Twin set of Intel® C602 SATA3/SAS2 controller with 1 SATA DOM (3Gbps) port	Twin set of Intel® C602 SATA3/SAS2 controller with 1 SATA DOM (3Gbps) port; Twin set of Avago® 2008 6-port 6Gbps SAS2 controller; RAID 0,1,10	Twin set of Intel® C602 SATA3/SAS2 controller with 1 SATA DOM (3Gbps) port; Twin set of Avago® 2108 6-port 6Gbps SAS2 controller; RAID 0, 1, 5, 6, 10, 50
Connectivity	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)
VGA/Audio	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with iFC & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with iFC & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with iFC & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility



**2UTwin
2.5" HDDs**



**2UTwin
3.5" HDDs**



TwinPro™/Twin

MODEL	SuperServer® SYS-2027TR-D70RF SYS-2027TR-D70QRF SYS-2027TR-D70FRF	SuperServer® SYS-6027TR-D(T/70/71)RF SYS-6027TR-D(T/70/71)QRF SYS-6027TR-D(T/70/71)FRF
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications 	<ul style="list-style-type: none"> HPC cluster computer nodes Datacenter, data farm Front-end server and other computing intensive applications
Outstanding Features	<ul style="list-style-type: none"> 24x 2.5" drives 56Gbps/40Gbps InfiniBand controller onboard Best performance-per-watt Hot-swappable computing modules Avago® 2008 6Gbps SAS RAID IPMI 2.0 + KVM w/ dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies 	<ul style="list-style-type: none"> 12x 3.5" drives Hot-swappable computing modules 56Gbps/40Gbps InfiniBand controller onboard IPMI 2.0 + KVM with dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies
Serverboard	-D70RF: SUPER® X9DRT-HF -D70QRF: SUPER® X9DRT-HIBQF -D70FRF: SUPER® X9DRT-HIBFF	-D(T/70/71)RF: SUPER® X9DRT-HF -D(T/70/71)QRF: SUPER® X9DRT-HIBQF -D(T/70/71)FRF: SUPER® X9DRT-HIBFF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Twin set of 3 PCI-E 3.0 x8 via riser card (2 FHHL, 1 low-profile)	Twin set of 3 PCI-E 3.0 x8 via riser card (2 FHHL, 1 low-profile)
Onboard Storage Controller	Twin set of Intel® C602 controller for 1 SATA DOM (3Gbps) ports Twin set of Avago® 2008 6Gbps SAS2 expander; IT Mode, 12 drives per node	Twin set of Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10 -D71: Twin set of Avago® 2108 6-port 6Gbps SAS2 controller; RAID 0, 1, 5, 6, 10, 50 -D70: Twin set of Avago® 2008 6-port 6Gbps SAS2 controller; RAID 0,1,10
Connectivity	Twin set of Dual LAN with i350 Gigabit Ethernet controller Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector (for 2027TR-D70QRF) Twin set of Mellanox ConnectX FDR 56Gbps InfiniBand w/ QSFP connector (for 2027TR-D70FRF)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector (for 6027TR-H(T/70/71)QRF) Twin set of Mellanox ConnectX FDR 56Gbps InfiniBand w/ QSFP connector (for 6027TR-D(T/70/71)FRF)
VGA/Audio	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphics
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 12x 2.5" hot-swap SAS/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	N/A	N/A
Power Supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility



IU Twin™



IU Twin™



MODEL	SuperServer® SYS-1027TR-TF SYS-1027TR-TQF SYS-1027TR-TFF	SuperServer® SYS-6017TR-TF SYS-6017TR-TQF SYS-6017TR-TFF
Processor Support	Twin set of dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Twin set of dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s
Key Applications	<ul style="list-style-type: none"> • HPC cluster computer nodes • Data Center • Data Farm • Front-end Server and other Computing Intensive Applications 	<ul style="list-style-type: none"> • HPC cluster computer nodes • Data Center • Data Farm • Front-end Server and other Computing Intensive Applications
Outstanding Features	<ul style="list-style-type: none"> • 56Gbps/40Gbps InfiniBand controller onboard • 8x 2.5" SATA drives • 1280W Platinum Level Digital high-efficiency power supply • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 56Gbps/40Gbps InfiniBand controller onboard • 4x 3.5" SATA drives • 1280W Platinum Level Digital high-efficiency power supply • IPMI 2.0 + KVM with dedicated LAN
Serverboard	-TF: SUPERMICR® X9DRT-F -TQF: SUPERMICR® X9DRT-IBQF -TFF: SUPERMICR® X9DRT-IBFF	-TF: SUPERMICR® X9DRT-F -TQF+: SUPERMICR® X9DRT-IBQF -TFF+: SUPERMICR® X9DRT-IBFF
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 low-profile	1 PCI-E 3.0 x16 low-profile
Onboard Storage Controller	Twin set of Intel® C602J controller for 2 SATA3 (6Gbps), 2 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10	Twin set of Intel® C602J controller for 2 SATA3 (6Gbps), 1 SATA DOM (3Gbps) ports; RAID 0,1
Connectivity	Twin set of Intel® i350 Gigabit Ethernet controller Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector (for 1027TR-TQF) Twin set of Mellanox ConnectX-3 FDR 56Gbps InfiniBand w/ QSFP connector (for 1027TR-TFF)	Twin set of Intel® i350 Gigabit Ethernet controller Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector (for 6017TR-TQF) Twin set of Mellanox ConnectX-3 FDR 56Gbps InfiniBand w/ QSFP connector (for 6017TR-TFF)
VGA/Audio	Matrox G200eW video controller	Matrox G200eW video controller
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 4x 2.5" hot-swap SATA HDD bays	Twin set of 2x 3.5" hot-swap SATA HDD bays
Peripheral Bays	N/A	N/A
Power Supply	1280W Platinum Level Digital high-efficiency power supply with iC & PMBus	1280W Platinum Level Digital high-efficiency power supply with iC & PMBus
Cooling System	Twin set of 3x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	Twin set of 3x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x705mm (17.2" x 1.7" x 27.75")	1U Rackmount 437 x 43 x705mm (17.2" x 1.7" x 27.75")

* Please check with your Supermicro sales representative for compatibility



Future Intel® Xeon® Processor E5-2600 v4 Product Family (Broadwell) Supported

FatTwin™

Evolutionary 4U Twin Architecture

- Supports up to: • 36 Cores per Node and 145W TDP CPUs • 1TB DDR4-2133MHz in 16 DIMMs
- SAS 3.0 (12Gbps) • 12x 3.5" HDDs/1U • 10GBase-T • Redundant Titanium Level Power Supplies

New!

SYS-F628G3-F+ Series (shown)
SYS-F628G2-F+ Series

4 DP Nodes,
3 GPU/Xeon Phi™ Cards per Node,
Front I/O, 16 DIMMs

New!

SYS-F628R2-F+ Series (shown)
SYS-F628R3-F+ Series

4 DP Nodes,
Front I/O, 16 DIMMs

New!

SYS-F618R3-F+ Series
SYS-F618R2-F+ Series

8 DP Nodes,
Highest Density & Efficiency,
Front I/O, 16 DIMMs

New!

SYS-F618H6-F+ Series

Hadoop
4-Node Front I/O, 16 DIMMs
12x 3.5" HDDs per Node

SYS-F618R2-F Series

8-Node, Front I/O, 8 DIMMs
Highest Density & Efficiency

SYS-F628R3-F Series (shown)
SYS-F628R2-F Series

4-Node, Front I/O, 8 DIMMs

SYS-F618R2-R+ Series

8-Node, Rear I/O, 16 DIMMs
Highest Density
4x SAS/SATA3 + 2 NVMe drives per node

SYS-F628R3-R+ Series

4-Node, Rear I/O, 16 DIMMs
6x SAS/SATA3 + 2 NVMe drives per node

Highest Performance-per-Watt and per-Dollar



The Supermicro FatTwin™ is a high-density 8/4/2 hot-plug node SuperServer® system available with a variety of memory capacities, HDD technologies, PCI expansion, networking capabilities, and GPU/Xeon Phi™ support options. The FatTwin™ supports up to: 1TB of DDR4-2133MHz Registered ECC memory in 16 DIMM slots, 1 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8 Micro LP card, 8 SAS 3.0 (12Gbps) ports with Avago® 3008 or Avago® 3108 controller, dual 10GBase-T or dual Gigabit Ethernet ports, redundant Titanium Level (96%) power supplies, integrated IPMI 2.0 with KVM over dedicated LAN, and dual Intel® Xeon® processor E5-2600 v3 product family up to 36 cores per node and 145W TDP.

The Supermicro FatTwin™ represents a revolution in Green Computing designed to support customers' critical applications and also reduce Data Center TCO to help preserve the environment. The FatTwin™ extends the compute and storage capabilities of Supermicro's existing Twin SuperServer® systems to achieve increased performance and power efficiency. Due to its shared components the FatTwin™ improves cost-effectiveness and reliability, while its modular architecture makes it flexible to configure and easy to maintain. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Versatile configurations allow the FatTwin™ to be optimized for many different environments including Enterprise, Data Center, Cloud Computing, HPC, Financial, Science and Engineering, File and Storage Servers.

FatTwin™

FatTwin™ 8-Node Front I/O

Highest Density & Efficiency!



Rear View



MODEL	SYS-F618R2-FT SYS-F618R2-FC0	SYS-F618R3-FTL	SYS-F618R3-FT
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Cluster Node Compute Intensive Application Data Center 	<ul style="list-style-type: none"> Cluster Node Compute Intensive Application Data Center 	<ul style="list-style-type: none"> Cluster Node Compute Intensive Application Data Center
Outstanding Features	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 slot 1620W Redundant Platinum Level high-efficiency power supplies 2 Gigabit Ethernet Ports IPMI 2.0 + KVM with dedicated LAN SAS 3.0 (12 Gbps) support (-FC0) 	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 slot 2 Gigabit Ethernet Ports IPMI 2.0 + KVM with dedicated LAN RAID 0,1 	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 slot 2 Gigabit Ethernet Ports IPMI 2.0 + KVM with dedicated LAN RAID 0,1 SATA 3.0 (6Gbps) support
Serverboard	-FT: SUPER● X10DRFF -FC0: SUPER● X10DRFF-C	SUPER● X10DRFF	SUPER● X10DRFF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Octal set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4, up to 2133MHz, in 8 DIMM slots	Octal set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4, up to 2133MHz, in 8 DIMM slots	Octal set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4, up to 2133MHz, in 8 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile)	Octal set of 1 PCI-E 3.0 x16 (low-profile)	Octal set of 1 PCI-E 3.0 x16 (low-profile)
Onboard Storage Controller	-FT: Octal set of Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10; -FC0: Octal set of Avago® 3008 controller for 4 SAS 3.0 (12Gbps) ports; RAID 0,1,10;	Octal set of Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	Octal set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	Octal set of Dual Intel® i210 single port Gigabit Ethernet LAN	Octal set of Dual Intel® i210 single port Gigabit Ethernet LAN	Octal set of Dual Intel® i210 single port Gigabit Ethernet LAN
VGA/Audio	Octal set of AST2400 VGA	Octal set of AST2400 VGA	Octal set of AST2400 VGA
Management	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	-FT: Octal set of 2x 2.5" hot-swap SATA3 drive bays -FC0: Octal set of 2x 2.5" hot-swap SAS3 drive bays	Octal set of 2x fixed 3.5" SATA3 drive bays	Octal set of 2x fixed 3.5" SATA3 drive bays
Power Supply	4x Redundant 1620W Platinum Level power supplies with PC & PMBus	4x Redundant 1620W Platinum Level power supplies with PC & PMBus	4x Redundant 1620W Platinum Level power supplies with PC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	2x 17cm fans	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 787mm (17.63" x 6.96" x 31")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 4-Node Front I/O

Highest Power Efficiency!



MODEL	SYS-F628R3-FT SYS-F628R3-FC0	SYS-F628R2-FC0
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Cluster Node Compute Intensive Application Data Center Email Server Mail Server 	<ul style="list-style-type: none"> Cluster Node Data Center HPC HPC cluster computer nodes Internet
Outstanding Features	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 slot 1280W Platinum Level redundant high-efficiency power supplies 2 Gigabit Ethernet Ports 4x 3.5" SATA or SAS drives per node IPMI 2.0 + KVM with dedicated LAN Avago® 3008 SAS 3.0 (12 Gbps) support (-FC0) 	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 slot 1280W Platinum Level redundant high-efficiency power supplies 2 Gigabit Ethernet Ports IPMI 2.0 + KVM with dedicated LAN Avago® 3008 SAS 3.0 (12 Gbps) support (-FC0)
Serverboard	-FT: SUPERMICR® X10DRFF -FC0: SUPERMICR® X10DRFF-C	SUPERMICR® X10DRFF-C
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4, up to 2133MHz, in 8 DIMM slots	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4, up to 2133MHz, in 8 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile)	Quad set of 1 PCI-E 3.0 x16 (low-profile)
Onboard Storage Controller	-FT: Quad set of Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10; -FC0: Quad set of Avago® 3008 controller for 4 SAS 3.0 (12Gbps) ports; RAID 0,1,10	Quad set of Avago® 3008 controller for 8 SAS 3.0 (12Gbps) ports; RAID 0,1,10
Connectivity	Quad set of Dual Intel® i210 single port Gigabit Ethernet LAN	Quad set of Dual Intel® i210 single port Gigabit Ethernet LAN
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	-FT: Quad set of 4x 3.5" hot-swap SATA3 drive bays -FC0: Quad set of 4x 3.5" hot-swap SAS3 drive bays	Quad set of 8x 2.5" hot-swap SAS3 drive bays
Power Supply	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with I ² C & PMBus	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with I ² C & PMBus
Cooling System	8x 80mm heavy duty hot-swap fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility



New! FatTwin™ 4-Node 16 DIMMs, Front I/O

4 DP Nodes, Front I/O, 16 DIMMs

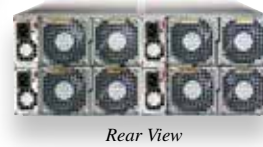


MODEL	SYS-F628R2-FT+ SYS-F628R2-FC0+ SYS-F628R2-FTPT+ SYS-F628R2-FC0PT+	SYS-F628R3-FC0+ SYS-F628R3-FC0PT+	SYS-F628R3-FT+ SYS-F628R3-FTPT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Data Center HPC cluster computer nodes Compute Intensive Application 	<ul style="list-style-type: none"> Data Center HPC cluster computer nodes Compute Intensive Application Cluster Node 	<ul style="list-style-type: none"> Data Center HPC cluster computer nodes Compute Intensive Application Cluster Node
Outstanding Features	<ul style="list-style-type: none"> 2x PCI-E Gen 3.0 x8 (LP) 16 DIMM slots 1280W Platinum Level redundant high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN SAS3 (12 Gbps) support 	<ul style="list-style-type: none"> 2x PCI-E Gen 3.0 x8 (LP) RAID 0,1 Supports 16 DIMM DDR4 up to 2133MHz IPMI 2.0 + KVM with dedicated LAN 1280W Platinum Level redundant high-efficiency power supplies Avago® 3008 controller 	<ul style="list-style-type: none"> 2x PCI-E Gen 3.0 x8 (LP) RAID 0,1 16 DIMM slots IPMI 2.0 + KVM with dedicated LAN 1280W Platinum Level redundant high-efficiency power supplies
Serverboard	-FT+: SUPER® X10DRFF-iG -FC0+: SUPER® X10DRFF-CG -FTPT+: SUPER® X10DRFF-iGT -FCOPT+: SUPER® X10DRFF-CGT	-FC0+: SUPER® X10DRFF-CG -FCOPT+: SUPER® X10DRFF-CGT	-FT+: SUPER® X10DRFF-iG -FTPT+: SUPER® X10DRFF-iGT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots
Expansion Slots	Quad set of 2 PCI-E 3.0 x8 (low-profile)	Quad set of 2 PCI-E 3.0 x8 (low-profile)	Quad set of 2 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	-FT+/-FTPT+: Quad set of Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10 -FCOT+/-FCOPT+: Quad set of Avago® 3008 controller for 8 SAS3 (12 Gbps) ports; RAID 0,1,10	Quad set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; Avago® 3008 SW controller for 8 SAS3 (12Gbps) ports; RAID 0,1,10	Quad set of Intel® C612 controller; RAID 0,1
Connectivity	-FT+/-FC0+: Quad set of Dual 1GbE LAN ports and 1x Dedicated IPMI port -FTPT+/-FCOPT+: Quad set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller	-FC0+: Quad set of Dual 1GbE LAN ports and 1x Dedicated IPMI port -FCOPT+: Quad set of Dual 10GBase-T LAN ports and 1x Dedicated IPMI port	-FT+: Quad set of Dual 1GbE LAN ports and 1x Dedicated IPMI port -FTPT+: Quad set of Dual 10GBase-T LAN ports and 1x Dedicated IPMI port
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 6x 2.5" SAS3/SATA3 drive bays	Quad set of 2x 3.5" SAS3/SATA3 drive bays	Quad set of 2x 3.5" SATA3 drive bays
Power Supply	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with iC & PMBus	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with iC & PMBus	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with iC & PMBus
Cooling System	Quad set of 8x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 8x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility

New! FatTwin™ 8-Node 16 DIMMs, Front I/O

Highest Density & Efficiency, 8 DP Nodes, Front I/O



Rear View

MODEL	SYS-F618R2-FT+ SYS-F618R2-FTPT+	SYS-F618R3-FT+ SYS-F618R3-FTPT+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Data Center HPC cluster computer nodes Compute Intensive Application 	<ul style="list-style-type: none"> Data Center HPC cluster computer nodes Compute Intensive Application Cluster Node
Outstanding Features	<ul style="list-style-type: none"> 1x8 and 1 x4 PCI-E slots 4x 2.5" HDD per node 16 DIMM slots IPMI 2.0 + KVM with dedicated LAN RAID 0,1 support 2000W Titanium Level redundant high-efficiency power supplies 	<ul style="list-style-type: none"> 1 low profile PCI-E x16 slot 2x 3.5" HDD per node 2 Gigabit Ethernet Ports IPMI 2.0 + KVM with dedicated LAN RAID 0,1 support 2000W Titanium Level redundant high-efficiency power supplies
Serverboard	-FT+: SUPER● X10DRFF-iG -FTPT+: SUPER● X10DRFF-iTG	-FT+: SUPER● X10DRFF-iG -FTPT+: SUPER● X10DRFF-iTG
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x8 (low-profile) and 1 PCI-E 2.0 x4 or 2 PCI-E 3.0 x8 (optional)	Octal set of 1 PCI-E 3.0 x8, 1 PCI-E 2.0 x4, or 2 PCI-E 3.0 x8 (optional)
Onboard Storage Controller	Octal set of Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Octal set of Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1
Connectivity	-FT+: Octal set of Dual 1GbE LAN ports and 1x Dedicated IPMI port -FTPT+: Octal set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller	-FT+: Octal set of Dual 1GbE LAN ports and 1x Dedicated IPMI port -FTPT+: Octal set of Dual 10GBase-T LAN ports, and 1x Dedicated IPMI port
VGA/Audio	Octal set of AST2400 VGA	Octal set of AST2400 VGA
Management	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Octal set of 4x 2.5" SATA3 fixed drive bays	Octal set of 2x 3.5" SATA3 fixed drive bays
Power Supply	4x Redundant 2000W Titanium Level (96%+) Digital power supplies with iFC & PMBus	4x Redundant 2000W Titanium Level (96%+) Digital power supplies with iFC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility

FatTwin™

FatTwin™
GPU/Xeon Phi™
2 DP Nodes, 6 GPU/Xeon Phi™ Cards per Node,
Front I/O, 16 DIMMs

FatTwin™ HADOOP,
4-Node, 12x 3.5" HDD per node
Front I/O, 16 DIMMs



MODEL	SYS-F648G2-FT+ SYS-F648G2-FC0+ SYS-F648G2-FTPT+ SYS-F648G2-FC0PT+	SYS-F618H6-FTL+ SYS-F618H6-FTPTL+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> 3D Rendering CAD/CAM/CAE Compute Intensive Application Digital Content Creation GPU server High-performance computing 	<ul style="list-style-type: none"> Hadoop
Outstanding Features	<ul style="list-style-type: none"> 145W CPU support 16 DIMM sockets 8x 2.5" SAS/SATA drive bays IPMI 2.0 + KVM with dedicated LAN Up to 6 GPU/Xeon Phi per node* (*4x K80 per node) 2000W High Efficiency (96%) Titanium Level Redundant Power Supplies Avago® 3008 controller (-FC0+/-FC0PT+) 	<ul style="list-style-type: none"> 4 nodes in 4U 12x 3.5" drives IPMI 2.0 + KVM with dedicated LAN Quad set of Dual 10GBase-T (FTPTL+)
Serverboard	-FT+: SUPER® X10DRFF-iG -FC0+: SUPER® X10DRFF-CG -FTPT+: SUPER® X10DRFF-iTG -FC0PT+: SUPER® X10DRFF-CTG	-FTL+: SUPER® X10DRFF-CG -FTPTL+: SUPER® X10DRFF-CTG
Chipset	Intel® C612 Chipset	Intel® C612 chipset
System Memory (Max.)*	Twin set of up to 1TB Registered ECC LRDIMM, DDR4-2133MHz in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of 6 PCI-E 3.0 x16 FHVFL Double Width; 2 PCI-E 3.0 x8 FH/HL	Quad set of 2 PCI-E 3.0 x8 LP
Onboard Storage Controller	Twin set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1; -FC0+/-FC0PT+: Twin set of Avago® 3008 SW controller for 8 SAS3 (12Gbs) ports; RAID 0,1,10	Quad set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1; Avago® 3008 SW controller for 8 SAS3 (12Gbs) ports; RAID 0,1,10
Connectivity	-FT+/-FC0+: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet Controller; -FTPT+/-FC0PT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE Controller	FTL+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller FTPTL+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller
VGA/Audio	Twin set of AST2400 VGA	Quad set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Twin set of 8x 2.5" hot-swap SATA3/SAS3 drive bays	Quad set of 12x 3.5" Fixed drives
Peripheral Bays	N/A	Optional 2.5" drives mounted in the PCI-E slots
Power Supply	4x Redundant 2000W Titanium Level power supplies	2x 2000W Redundant Titanium Level (96%+) power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud and PWM fan speed control and additional internal fans available	8x 80mm heavy duty fans with air shroud and PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35")	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)

* Please check with your Supermicro sales representative for compatibility

FatTwin™

FatTwin™ 8-Node Rear I/O

6x 2.5" HDD per Node



Rear View

MODEL	SYS-F618R2-RTN+ SYS-F618R2-RTPTN+	SYS-F618R2-RT+ SYS-F618R2-RTPT+	SYS-F618R2-RC0+ SYS-F618R2-RC0PT+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Cloud and Virtualization Cloud Computing Cluster Node Data Center HPC cluster computer nodes 	<ul style="list-style-type: none"> Cloud and Virtualization Cloud Computing Cluster Node Data Center HPC cluster computer nodes 	<ul style="list-style-type: none"> Cloud and Virtualization Cloud Computing Cluster Node Data Center HPC cluster computer nodes
Outstanding Features	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 slot 145W CPU support 16 DIMM slots 2000W Redundant Titanium Level (96%+) high-efficiency power supplies 2x 1G or 10G Ethernet NVMe Support 	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1620W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 16 DIMM slots 6x 2.5" hot-swap SATA3 drive bays per node 	<ul style="list-style-type: none"> 145W CPU support Supports 16 DIMM DDR4 up to 2133MHz 2000W High Efficiency (96%) Titanium Level Redundant Power Supplies 6 x 2.5" Hot-Swap SAS/SATA drives (Per Node) Optional NVMe support Avago® 3008 controller onboard
Serverboard	-RTN+: SUPER® X10DRFR-N -RTPTN+: SUPER® X10DRFR-NT	-RT+: SUPER® X10DRFR -RTPT+: SUPER® X10DRFR-NT	-RC0+: SUPER® X10DRFR-N -RC0PT+: SUPER® X10DRFR-NT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (LP) and 1 PCI-E 3.0 x8 (MicroLP)	Octal set of 1 PCI-E 3.0 x16 (LP) and 1 PCI-E 3.0 x8 (MicroLP)	Octal set of 1 PCI-E 3.0 x16 (LP) and 1 PCI-E 3.0 x8 (MicroLP)
Onboard Storage Controller	Octal set of Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Octal set of Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10	Octal set of Avago® 3008 controller for 6 SAS3.0 (12Gbps) ports; RAID 0,1,10;
Connectivity	-RTN+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RTPTN+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-RT+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RTPT+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-RC0+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RC0PT+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	Octal set of AST2400 VGA	Octal set of AST2400 VGA	Octal set of AST2400 VGA
Management	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Octal set of 6x 2.5" hot-swap SATA3 drive bays; or, 4x SATA3 + 2x NVMe	Octal set of 6x 2.5" hot-swap SATA3 drive bays	Octal set of 6x SAS3/SATA3 or 4x SAS3/SATA3 + 2x NVMe
Power Supply	4x Redundant 2000W Titanium Level (96%+) power supplies with I ² C & PMBus	4x Redundant 1620W Platinum Level (94%+) power supplies with I ² C & PMBus	4x Redundant 2000W Titanium Level (96%+) power supplies with I ² C & PMBus
Cooling System	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility

FatTwin™

FatTwin™ 8-Node Rear I/O

6x 2.5" HDD per Node



Rear View

MODEL	SYS-F618R2-RC1+ SYS-F618R2-RC1PT+	SYS-F618R2-R72+ SYS-F618R2-R72PT+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> • Cloud and Virtualization • Cloud Computing • Cluster Node • Data Center • HPC cluster computer nodes 	<ul style="list-style-type: none"> • Cloud and Virtualization • Cloud Computing • Cluster Node • Data Center • HPC cluster computer nodes
Outstanding Features	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots • 16 DIMM slots • 2000W Redundant Titanium Level high-efficiency power supplies • 6 x 2.5" Hot-swap SAS/SATA drives (Per Node) • IPMI 2.0 + KVM with dedicated LAN • Avago® 3108 controller for 8 SAS3 (12Gbps) hot-swappable drives • 2 optional NVMe 	<ul style="list-style-type: none"> • 1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots • 1620W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN • 16 DIMM slots • 6x 2.5" hot-swap SAS2/SATA drive bays per node
Serverboard	-RC1+: SUPER® X10DRFR-N -RC1PT+: SUPER® X10DRFR-NT	-R72+: SUPER® X10DRFR -R72PT+: SUPER® X10DRFR-NT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile) and 1 PCI-E 3.0 x8 (MicroLP)	Octal set of 1 PCI-E 3.0 x16 (low-profile) and 1 PCI-E 3.0 x8 (MicroLP)
Onboard Storage Controller	Octal set of 6 SAS3 (12Gbps) ports; or 4x SAS3 + 2x NVMe SSDs; SAS3 support via Avago® 3108; RAID 0,1,5,6,10,50	Octal set of Avago® 2208 controller for 6 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50
Connectivity	-RC1+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RC1PT+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-R72+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -R72PT+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	Octal set of AST2400 VGA	Octal set of AST2400 VGA
Management	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Octal set of 6x 2.5" hot-swap SAS3 /SATA3 drive bays; or 4x SAS3 + 2x NVMe	Octal set of 6x 2.5" hot-swap SAS2/SATA3 drive bays
Power Supply	4x Redundant 2000W Titanium Level (96%+) power supplies with I²C & PMBus	4x Redundant 1620W Platinum Level (94%+) power supplies with I²C & PMBus
Cooling System	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility

FatTwin™

FatTwin™ 4-Node Rear I/O

8 Hot-swap 3.5" HDDs per IU



Rear View

MODEL	SYS-F628R3-RTB+ SYS-F628R3-RTBPT+ SYS-F628R3-RTBPTN+ SYS-F628R3-RTBN+	SYS-F628R3-RC0B+ SYS-F628R3-RC1B+ SYS-F628R3-RC0BPT+ SYS-F628R3-RC1BPT+	SYS-F628R3-R72B+ SYS-F628R3-R72BPT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> Cloud Computing Cluster Node Compute Intensive Storage Environments Corporate Database Data Center Database Applications Email Server Server Appliance Virtualization Server Web/Collocation Services 	<ul style="list-style-type: none"> Cloud Computing Cluster Node Compute Intensive Storage Environments Corporate Database Data Center Database Applications Email Server Server Appliance Virtualization Server Web/Collocation Services 	<ul style="list-style-type: none"> Cloud Computing Cluster Node Compute Intensive Storage Environments Corporate Database Data Center Database Applications Email Server Server Appliance Virtualization Server Web/Collocation Services
Outstanding Features	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1280W Platinum Level redundant high-efficiency power supplies 145W CPU support 16 DIMM slots 8 Hot-swap 3.5" SATA/SAS drive bays IPMI 2.0 management with dedicated LAN NVMe Support 	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1280W Platinum Level redundant high-efficiency power supplies 145W CPU support Supports 16 DIMM DDR4-2133MHz 2 Gigabit Ethernet Ports 8 Hot-swap 3.5" SATA/SAS drive bays IPMI 2.0 management with dedicated LAN Avago® 3108 controller (-RC1B+/-RC1BPT+) Avago® 3008 controller (-RC0B+/-RC0BPT+) 	<ul style="list-style-type: none"> 1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1280W Platinum Level redundant high-efficiency power supplies 145W CPU support 16 DIMM slots 8 Hot-swap 3.5" SATA/SAS drive bays IPMI 2.0 management with dedicated LAN Avago® 2208 controller for 8 SAS2 hot-swappable drives
Serverboard	-RTB+: SUPER® X10DRFR -RTBPT+: SUPER® X10DRFR-NT -RTBPTN+: SUPER® X10DRFR-NT -RTBN+: SUPER® X10DRFR-N	-RC0B+: SUPER® X10DRFR-N -RC1B+: SUPER® X10DRFR-N -RC0BPT+: SUPER® X10DRFR-NT -RC1BPT+: SUPER® X10DRFR-NT	-R72B+: SUPER® X10DRFR -R72BPT+: SUPER® X10DRFR-NT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 PCI-E 3.0 x8 (Micro LP)	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro LP PCI-E 3.0 x8	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro LP PCI-E 3.0 x8
Onboard Storage Controller	Quad set of Intel® C612 controller for 8 SATA3 or 6 SATA3 and 2 NVMe	Quad set of 8 SAS3 (12Gbps) ports; or 6 SAS3 + 2 NVMe SSDs; SAS3 support via Avago® 3108/3008; RAID 0,1,5,6,10,50,60	Quad set of Avago® 2208 controller for 8 SAS2 (6Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	-RTB+/RTBN+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RTBPT+/-RTBPTN+: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-RC0B+/-RC1B+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RC0BPT+/-RC1BPT+: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-R72B+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -R72BPT+: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 8x 3.5" hot-swap SATA3 drive bays; or 6x SATA + 2x NVMe	Quad set of 8x 3.5" hot-swap SAS3 /SATA drive bays; or 6x SAS/SATA + 2x NVMe	Quad set of 8x 3.5" hot-swap SAS2/SATA drive bays
Power Supply	Quad set of Redundant 1280W Platinum Level (95%+) Digital power supplies with FC & PMBus	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with FC & PMBus	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with FC & PMBus
Cooling System	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility

FatTwin™

FatTwin™ GPU/Xeon Phi™

4 DP Nodes, 3 GPU/Xeon Phi™ Cards per Node, Front I/O, 16 DIMMs



MODEL	SYS-F628G2-FT+ SYS-F628G2-FC0+ SYS-F628G2-FTPT+ SYS-F628G2-FC0PT+	SYS-F628G3-FT+ SYS-F628G3-FC0+ SYS-F628G3-FTPT+ SYS-F628G3-FC0PT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
Key Applications	<ul style="list-style-type: none"> • 3D Rendering • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • High-performance computing 	<ul style="list-style-type: none"> • 3D Rendering • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • High-performance computing
Outstanding Features	<ul style="list-style-type: none"> • Up to 3 GPU/Xeon Phi per node* (*2x K80 per node) • 145W CPU support • 16 DIMM slots • 6x 2.5" SAS/SATA drives (per node) • IPMI 2.0 + KVM with dedicated LAN • Up to 2 add-on cards • SAS3 (12Gbps) support 	<ul style="list-style-type: none"> • Up to 3 GPU/Xeon Phi per node* (*2x K80 per node) • 145W CPU support • 16 DIMM slots • 2 hot-swap 3.5" SAS/SATA Drive bays (Per Node) • IPMI 2.0 + KVM with dedicated LAN • Up to 2 add-on cards • SAS3 (12Gbps) support
Serverboard	-FT+: SUPER® X10DRFF-iG -FC0+: SUPER® X10DRFF-CG -FTPT+: SUPER® X10DRFF-iTG -FC0PT+: SUPER® X10DRFF-CTG	-FT+: SUPER® X10DRFF-iG -FC0+: SUPER® X10DRFF-CG -FTPT+: SUPER® X10DRFF-iTG -FC0PT+: SUPER® X10DRFF-CTG
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots
Expansion Slots	Quad set of 3 PCI-E 3.0 x16 FH/FL Double Width + 2 PCI-E 3.0 x8 LP	Quad set of 3 PCI-E 3.0 x16 FH/FL Double Width + 2 PCI-E 3.0 x8 LP
Onboard Storage Controller	-FT+/-FTPT+: Quad set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; -FC0+/-FC0PT+: Quad set of Avago® 3008 SW controller for 8 SAS3 (12 Gbps) ports; RAID 0,1,10	-FT+/-FTPT+: Quad set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; -FC0+/-FC0PT+: Quad set of Avago® 3008 SW controller for 8 SAS3 (12 Gbps) ports; RAID 0,1,10
Connectivity	-FT+/-FC0+: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet Controller; -FTPT+/-FC0PT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE Controller	-FT+/-FC0+: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet Controller; -FTPT+/-FC0PT+: Quad set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SATA3/SAS3 drive bays	Quad set of 2x 3.5" hot-swap SATA3/SAS3 drive bays
Power Supply	4x Redundant 2000W Titanium Level power supplies with I²C & PMBus	4x Redundant 2000W Titanium Level power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud and PWM fan speed control and additional fans available	8x 80mm heavy duty fans with air shroud and PWM fan speed control and additional fans available
Form Factor	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35")	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35")

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 8-Node Front I/O

Highest Density & Efficiency, 8 DP Nodes, Front I/O



MODEL	SYS-F617R2-FT SYS-F617R2-F73	SYS-F617R3-FT
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 130W* CPU support	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 130W* CPU support
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas 	<ul style="list-style-type: none"> • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas
Outstanding Features	<ul style="list-style-type: none"> • Front I/O • 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 8 DIMM slots • 1620W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • Front I/O • 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 8 DIMM slots • 1620W Redundant Power Supplies Platinum Level (95%)
Serverboard	-FT: SUPER● X9DRFF -F73: SUPER● X9DRFF-7	SUPER● X9DRFF
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Octal set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or; 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Octal set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or; 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile)	Octal set of 1 PCI-E 3.0 x16 (low-profile)
Onboard Storage Controller	-FT: Octal set of Intel C602 controller for 2 SATA3 (6Gbps); RAID 0,1 -F73: Octal set of Avago® 2308 controller for 2 SAS 2.0 (6Gbps) ports; RAID 0,1	Octal set of Intel C602 controller for 2 SATA3 (6Gbps); RAID 0,1
Connectivity	Octal set of Dual LAN ports with Intel® 82574L Gigabit Ethernet controller	Octal set of Dual LAN ports with Intel® 82574L Gigabit Ethernet controller
VGA/Audio	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller
Management	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT: Octal set of 2x 2.5" hot-swap SATA drive bays -F73: Octal set of 2x 2.5" hot-swap SAS2 drive bays	Octal set of 2x 3.5" fixed SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility

FatTwin™

FatTwin™ 4-Node Front I/O

4 DP Nodes, Front I/O



Rear View



MODEL	SYS-F627R3-FT SYS-F627R3-F73	SYS-F627R2-F73
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 130W* CPU support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 130W* CPU support
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • Front I/O • 4 Hot-plug System Nodes in 4U • Up to 130W CPU support • Quad set of 4x 3.5" hot-swap SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • Front I/O • 4 Hot-plug System Nodes in 4U • Up to 130W CPU support • Quad set of 8x 2.5" hot-swap SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	-FT: SUPERMICR® X9DRFF -F73: SUPERMICR® X9DRFF-7	SUPERMICR® X9DRFF-7
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or; 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or; 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile)	Quad set of 1 PCI-E 3.0 x16 (low-profile)
Onboard Storage Controller	-FT: Quad set of Intel C602 controller for 2 SATA3 (6Gbps) and 2 SATA2 (3Gbps) ports; RAID 0,1,5,10; -F73: Quad set of Avago® 2308 controller for 4 SAS 2.0 (6Gbps) ports; RAID 0,1,10;	Quad set of Avago® 2308 controller for 8 SAS 2.0 (6Gbps) ports; RAID 0,1,10
Connectivity	Quad set of Dual LAN ports with Intel® 82574L Gigabit Ethernet controller	Quad set of Dual LAN ports with Intel® 82574L Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	R3-FT: Quad set of 4x 3.5" hot-swap SATA drive bays R3-F73: Quad set of 4x 3.5" hot-swap SAS2 drive bays	Quad set of 8x 2.5" hot-swap SAS2 drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with FC & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with FC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility

FatTwin™

FatTwin™ 8-Node Rear I/O

8 DP Nodes, Rear I/O, 16 DIMMs



Rear View

MODEL	SYS-F617R2-RT+	SYS-F617R2-R72+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 115W CPUs supported @ 35°C	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 115W CPUs supported @ 35°C
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • Up to 115W CPU support • 16 DIMM slots • Octal set of 6x 2.5" hot-swap SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • Up to 115W CPU support • 16 DIMM slots • Octal set of 6x 2.5" hot-swap SAS/SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER® X9DRFR	SUPER® X9DRFR-7
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8	Octal set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8
Onboard Storage Controller	Octal set of Intel C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Octal set of Avago® 2208 controller for 6 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50
Connectivity	Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller
Management	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Octal set of 6x 2.5" hot-swap SATA drive bays	Octal set of 6x 2.5" hot-swap SAS2 drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with FC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with FC & PMBus
Cooling System	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility



FatTwin™ 4-Node Rear I/O

Up to 14 Hot-swap 2.5" HDDs per 1U, 4 DP Nodes, Rear I/O, 16 DIMMs



SYS-F627R2-RTB+ (Rear View)



SYS-F627R2-RT+ (Rear View)

MODEL	SYS-F627R2-RTB+	SYS-F627R2-RT+
Processor Support	Quad set of Dual Intel® Xeon Processor E5-2600 and E5-2600 v2 product families; Up to 130W* CPU support	Quad set of Dual Intel® Xeon Processor E5-2600 and E5-2600 v2 product families; Up to 130W* CPU support
Key Applications	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 4 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • Quad set of 12x 2.5" front + 2x 2.5"/3.5" rear hot-swap SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 4 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • Quad set of 12x 2.5" front + 2x 2.5"/3.5" rear hot-swap SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER® X9DRFR	SUPER® X9DRFR
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8;	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8;
Onboard Storage Controller	Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) RAID 0,1 and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Avago® 2208 8 SAS2 (6Gbps) ports; RAID 0,1,5,10,50,60	Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) RAID 0,1 and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Avago® 2208 8 SAS2 (6Gbps) ports; RAID 0,1,5,10,50,60
Connectivity	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Quad set of 12x 2.5" front + 2x 2.5"/3.5" rear hot-swap SATA drive bays	Quad set of 12x 2.5" hot-swap SATA drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I ² C & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I ² C & PMBus
Cooling System	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 4-Node Rear I/O

Up to 8 Hot-swap 3.5" HDDs per IU, 4 DP Nodes, Rear I/O, 16 DIMMs



Rear View

MODEL	SYS-F627R3-RTB+	SYS-F627R3-R72B+
Processor Support	Quad set of Dual Intel® Xeon Processor E5-2600 and E5-2600 v2 product families; Up to 130W CPUs supported @ 47°C	Quad set of Dual Intel® Xeon Processor E5-2600 and E5-2600 v2 product families; Up to 130W CPUs supported @ 47°C
Key Applications	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Big Data Analytics • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 4 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • 6+2 3.5" SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 4 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • 6+2 3.5" SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER● X9DRFR	SUPER● X9DRFR
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8
Onboard Storage Controller	Quad set of Intel C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 2 SATA2 (3Gbps) ports; RAID 0,1;	Quad set of Avago® 2208 controller for 8 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Quad set of 8x 3.5" hot-swap SATA drive bays	Quad set of 8x 3.5" hot-swap SAS2 drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with iFC & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with iFC & PMBus
Cooling System	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility



FatTwin™ 8-Node 16 DIMMs, Front I/O

8 DP Nodes, Front I/O, 16 DIMMs & 4x 2.5" HDDs per Node



Rear View



4x 2.5" HDDs per Node

MODEL	SYS-F617R2-FT+	SYS-F617R2-FTPT+	SYS-F617R2-F72+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • 16 DIMM slots • 4x fixed 2.5" SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • 4x fixed 2.5" SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • 4x fixed 2.5" SAS/SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER® X9DRFF-i+	SUPER® X9DRFF-iT+	SUPER® X9DRFF-7+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile), 1 PCI-E 3.0 x8 (low-profile) via riser cards	Octal set of 1 PCI-E 3.0 x16 (low-profile), 1 PCI-E 3.0 x8 (low-profile) via riser cards	Octal set of 1 PCI-E 3.0 x16 (low-profile), 1 PCI-E 3.0 x8 (low-profile) via riser cards
Onboard Storage Controller	Octal set of Intel C602 controller for 2 SATA3 (6Gbps) and 2 SATA2 (3Gbps) ports; RAID 0,1,5,10;	Octal set of Intel C602 controller for 2 SATA3 (6Gbps) and 2 SATA2 (3Gbps) ports; RAID 0,1,5,10;	Octal set of Avago® 2208 controller for 4 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50
Connectivity	Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Octal set of Dual 10GBase-T with Intel® X540 Gigabit Ethernet controller	Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller
Management	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Octal set of 4x 2.5" fixed SATA drive bays	Octal set of 4x 2.5" fixed SATA drive bays	Octal set of 4x 2.5" fixed SAS/SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility

FatTwin™

FatTwin™ 8-Node 16 DIMMs, Front I/O

8 DP Nodes, Front I/O, 16 DIMMs & 2x 3.5" HDDs per Node



Rear View



2x 3.5" HDDs per Node

MODEL	SYS-F617R3-FT+	SYS-F617R3-FTPT+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • 16x fixed 3.5" SAS/SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM slots • 16x fixed 3.5" SAS/SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER® X9DRFF-i+	SUPER® X9DRFF-iT+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile), and 1 PCI-E 3.0 x8 (low-profile) via riser cards	Octal set of 1 PCI-E 3.0 x16 (low-profile), and 1 PCI-E 3.0 x8 (low-profile) via riser cards
Onboard Storage Controller	Octal set of Intel C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Octal set of Intel C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1
Connectivity	Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Octal set of Dual 10GBase-T with Intel® X540 Gigabit Ethernet controller
VGA/Audio	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller
Management	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Octal set of 2x 3.5" fixed SATA drive bays	Octal set of 2x 3.5" fixed SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility



FatTwin™ 4-Node 16 DIMMs, Front I/O

4 DP Nodes, Front I/O, 16 DIMMs, 6x 2.5" HDDs per Node



Rear View

MODEL	SYS-F627R2-FT+ SYS-F627R2-F72+	SYS-F627R2-F72PT+ SYS-F627R2-FTPT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • Front I/O • Up to 130W CPU support • 16 DIMM slots • 6x 3.5" SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • Front I/O • Up to 130W CPU support • 16 DIMM slots • 6x 3.5" SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	-FT+: SUPER® X9DRFF-i+ -F72+: SUPER® X9DRFF-7+	-F72PT+: SUPER® X9DRFF-7T+ -FTPT+: SUPER® X9DRFF-iT+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile), 2 PCI-E 3.0 x8 (low-profile)	Quad set of 1 PCI-E 3.0 x16 (low-profile), 2 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	-FT+: Quad set of Intel C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; -F72+: Quad set of Avago® 2208 controller for 6 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50	-F72PT+: Quad set of Avago® 2208 controller for 6 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50 -FTPT+: Quad set of Intel C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10;
Connectivity	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Quad set of Dual 10GBase-T with Intel® X540 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT+ : Quad set of 6x 2.5" hot-swap SATA drive bays -F72+ : Quad set of 6x 2.5" hot-swap SAS2 drive bays	-F72PT+ : Quad set of 6x 2.5" hot-swap SAS2 drive bays -FTPT+ : Quad set of 6x 2.5" hot-swap SATA drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with FC & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with FC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 4-Node 16 DIMMs, Front I/O

4 DP Nodes, Front I/O, 16 DIMMs, 2x 3.5" HDDs per Node



Rear View

MODEL	SYS-F627R3-FT+ SYS-F627R3-F72+	SYS-F627R3-F72PT+ SYS-F627R3-FTPT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • Compute Intensive Application • Digital Content Creation • Front-end Server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 16 DIMM slots • 2x 3.5" SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%) 	<ul style="list-style-type: none"> • 16 DIMM slots • 2x 3.5" SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	-FT+: SUPER® X9DRFF-i+ -F72+: SUPER® X9DRFF-7+	-F72PT+: SUPER® X9DRFF-7T+ -FTPT+: SUPER® X9DRFF-iT+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile), 2 PCI-E 3.0 x8	Quad set of 1 PCI-E 3.0 x16 (low-profile), 2 PCI-E 3.0 x8
Onboard Storage Controller	-FT+ : Quad set of Intel C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; -F72+: Quad set of Avago® 2208 controller for 2 SAS 2.0 (6Gbps) ports; RAID 0,1	-FT+ / -FTPT+: Quad set of Intel C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; -F72+ / -F72PT+: Quad set of Avago® 2208 controller for 2 SAS 2.0 (6Gbps) ports; RAID 0,1
Connectivity	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Quad set of Dual 10GBase-T with Intel® X540 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT+: Quad set of 2x 3.5" hot-swap SATA drive bays -F72+: Quad set of 2x 3.5" hot-swap SAS2 drive bays	-FTPT+: Quad set of 2x 3.5" hot-swap SATA drive bays -F72PT+: Quad set of 2x 3.5" hot-swap SAS2 drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I ² C & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I ² C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")	4U Rackmount 448 x 177 x 737mm (17.63" x 6.96" x 29")

* Please check with your Supermicro sales representative for compatibility

FatTwin™ GPU/Xeon Phi™

2 DP Nodes, 6 GPU/Xeon Phi™ Cards per Node, Front I/O, 16 DIMMs



Rear View



Up to 8x 2.5" HDDs per Node

MODEL	SYS-F647G2-F73+ SYS-F647G2-F73PT+	SYS-F647G2-FT+ SYS-F647G2-FTPT+
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 130W CPU	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 130W CPU
Key Applications	<ul style="list-style-type: none"> • 3D Rendering • Big Data Analytics • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing 	<ul style="list-style-type: none"> • 3D Rendering • Big Data Analytics • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 8x 2.5" SAS/SATA drive bays • Up to 2 add-on cards (2 full-height & half-length) • Up to 3 GPU cards in 1U 	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 6x 2.5" SATA drive bays • IPMI 2.0 + KVM with dedicated LAN • SATA 3.0 (6Gbps) support • Up to 3 GPU cards in 1U
Serverboard	-F73+: SUPER● X9DRFF-7G+ -F73PT+: SUPER● X9DRFF-7TG+	-FT+: SUPER● X9DRFF-iG+ -FTPT+: SUPER● X9DRFF-iTG+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of 6 PCI-E 3.0 x16 (FH, FL, Double Wide) for GPU/Xeon Phi; 2 PCI-E 3.0 x8 (FH, HL)	Twin set of 6 PCI-E 3.0 x16 (FH, FL, Double wide) for GPU/Xeon Phi; 2 PCI-E 3.0 x8 (FH, HL)
Onboard Storage Controller	Twin set of Avago® 2308 for 8 SAS 2.0; RAID 0,1,10	Twin set of C602 for 2 SATA3 and 4 SATA2; RAID 0,1,5,10
Connectivity	-F73+: Twin set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -F73PT+: Twin set of Dual 10GBase-T with Intel® X540 10GbE controller	-FT+: Twin set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -FTPT+: Twin set of Dual 10GBase-T with Intel® X540 10GbE controller
VGA/Audio	Twin set of Matrox G200eW	Twin set of Matrox G200eW
Management	Twin set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Twin set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Twin set of 8x 2.5" hot-swap SAS2/SATA drive bays	Twin set of 6x 2.5" hot-swap SATA drive bays
Power Supply	4x 2000W Redundant Platinum Level (94%+) power supplies with iC & PMBus	4x 2000W Redundant Platinum Level (94%+) power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control; additional internal fans available	8x 80mm heavy duty fans with air shroud & PWM fan speed control; additional internal fans available
Form Factor	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ GPU/Xeon Phi™

4 DP Nodes, 3 GPU/Xeon Phi™ Cards per Node, Front I/O, 16 DIMMs



MODEL	SYS-F627G2-FT+ SYS-F627G2-FTPT+	SYS-F627G2-F73+ SYS-F627G2-F73PT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families
Key Applications	<ul style="list-style-type: none"> • 3D Rendering • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • High-performance computing • HPC • Oil & Gas • Scientific computing • Computer simulations 	<ul style="list-style-type: none"> • 3D Rendering • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • High-performance computing • HPC • Oil & Gas • Scientific computing • Computer simulations
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 6x 2.5" SATA drives • IPMI 2.0 + KVM with dedicated LAN • Up to 2 add-on cards • Up to 3 GPU cards in 1U 	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 6x 2.5" SAS2/SATA drives • IPMI 2.0 + KVM with dedicated LAN • Up to 2 add-on cards • Up to 3 GPU cards in 1U
Serverboard	-FT+: SUPER® X9DRFF-iG+ -FTPT+: SUPER® X9DRFF-iTG+	-F73+: SUPER® X9DRFF-7G+ -F73PT+: SUPER® X9DRFF-7TG+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 3 PCI-E 3.0 x16 support 3 double width GPU/Xeon Phi™ cards; and 2 PCI-E 3.0 x8 (low-profile)	Quad set of 3 PCI-E 3.0 x16 support 3 double width GPU/Xeon Phi™ cards; and 2 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	-FT+/-FTPT+: Quad set of C602 for 2 SATA3 and 4 SATA2; RAID 0,1,5,10	-F73+/-F73PT+: Quad set of Avago® 2308 for 6 SAS 2.0; RAID 0,1,10
Connectivity	-FT+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -FTPT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller	-F73+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -F73PT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller
VGA/Audio	Quad set of Matrox G200eW	Quad set of Matrox G200eW
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT+/-FTPT+: Quad set of 6x2.5" hot-swap SATA drive bays	-F73+/-F73PT+: Quad set of 6x2.5" hot-swap SAS2/SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control; additional internal fans available	8x 80mm heavy duty fans with air shroud & PWM fan speed control; additional internal fans available
Form Factor	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ GPU/Xeon Phi™

4 DP Nodes, 3 GPU/Xeon Phi™ Cards per Node, Front I/O, 16 DIMMs



MODEL	SYS-F627G3-FT+ SYS-F627G3-FTPT+	SYS-F627G3-F73+ SYS-F627G3-F73PT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families
Key Applications	<ul style="list-style-type: none"> • 3D Rendering • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • High-performance computing • Oil & Gas • Scientific Computing • Computer simulations 	<ul style="list-style-type: none"> • 3D Rendering • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • High-performance computing • Oil & Gas • Scientific Computing • Computer simulations
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 2 hot-swap 3.5" SATA Drive bays (Per Node) • IPMI 2.0 + KVM with dedicated LAN • Up to 2 add-on cards • Up to 3 GPU cards in 1U 	<ul style="list-style-type: none"> • 130W CPU support • 16 DIMM slots • 2 hot-swap 3.5" SAS2/SATA Drive bays (Per Node) • IPMI 2.0 + KVM with dedicated LAN • Up to 2 add-on cards • Up to 3 GPU cards in 1U
Serverboard	-FT+: SUPER® X9DRFF-iG+ -FTPT+: SUPER® X9DRFF-iTG+	-F73+: SUPER® X9DRFF-7G+ -F73PT+: SUPER® X9DRFF-7TG+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 3 PCI-E 3.0 x16 support 3 double width GPU/Xeon Phi™ cards; and 2 PCI-E 3.0 x8 (low-profile)	Quad set of 3 PCI-E 3.0 x16 support 3 double width GPU/Xeon Phi™ cards; and 2 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	-FT+/-FTPT+: Quad set of C602 for 2 SATA3; RAID 0,1	-F73+/F73PT+: Quad set of Avago® 2308 for 2 SAS 2.0; RAID 0,1
Connectivity	-FT+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -FTPT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller	-F73+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -F73PT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller
VGA/Audio	Quad set of Matrox G200eW	Quad set of Matrox G200eW
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT+/-FTPT+: Quad set of 2x 3.5" hot-swap SATA drive bays	-F73+/F73PT+: Quad set of 2x 3.5" hot-swap SAS2/SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud& PWM fan speed control	8x 80mm heavy duty fans with air shroud& PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ HADOOP, 4-Node, 14 HDDs

Hadoop, 4-Node Front I/O, 16 DIMMs



Rear View

MODEL	SYS-F617H6-FTL+ SYS-F617H6-FTPTL+	SYS-F617H6-FT+ SYS-F617H6-FTPT+	SYS-F517H6-FT (UP)
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Quad set of Single Intel® Xeon® E3-1200 & E3-1200 v2 families
Key Applications	<ul style="list-style-type: none"> Hadoop 	<ul style="list-style-type: none"> Hadoop 	<ul style="list-style-type: none"> Hadoop
Outstanding Features	<ul style="list-style-type: none"> 4 nodes in 4U 12x 3.5" drives 	<ul style="list-style-type: none"> 4 nodes in 4U 12x 3.5" drives 	<ul style="list-style-type: none"> 4 nodes in 4U 12x 3.5" drives
Serverboard	FTL+: SUPERMICR® X9DRFF-7G+ FTPTL+: SUPERMICR® X9DRFF-7TG+	FT+: SUPERMICR® X9DRFF-7+ FTPT+: SUPERMICR® X9DRFF-7T+	SUPERMICR® X9SCFF-F
Chipset	Intel® C602 Chipset	Intel® C602 Chipset	Intel® C204 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 32GB DDR3 ECC 1333/1600MHz UDIMMs in 4 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x8 (low-profile) and 1 PCI-E 2.0 x4 (low-profile) via riser card	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 PCI-E 3.0 x8 (low-profile) via riser card	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 2 (x8) Micro-LP PCI-E 3.0 slots
Onboard Storage Controller	Quad set of C602 for 2 SATA3 and 2 SATA2; RAID 0,1,5,10	Quad set of C602 for 2 SATA3 and 2 SATA2; RAID 0,1,5,10	Quad set of C602 for 2 SATA3 and 2 SATA2; RAID 0,1,5,10
Connectivity	FTL+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller FTPTL+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller	FT+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller FTPT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox G200eW	Quad set of Matrox G200eW	Quad set of Matrox G200eW
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Quad set of 12x 3.5 fixed SATA drive bays; Quad set of 2x 2.5 fixed SAS2/SATA drive bays (optional)	Quad set of 12x 3.5 fixed SATA drive bays; Quad set of 2x 2.5 fixed SAS2/SATA drive bays (optional)	Quad set of 12x 3.5 fixed SAS2/SATA drive bays; Quad set of 2x 2.5 fixed SAS2/SATA drive bays (optional)
Power Supply	2x 1620W Redundant Platinum Level (94%+) power supplies with I ² C & PMBus	2x 1620W Redundant Platinum Level (94%+) power supplies with I ² C & PMBus	2x 1620W Redundant Platinum Level (94%+) power supplies with I ² C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)	4U Rackmount 448 x 177 x 889mm (17.63" x 6.96" x 35") (Recommend 48" depth rack)

* Please check with your Supermicro sales representative for compatibility

FatTwin™



New Generation Intel® Xeon® Processor E7-8800/4800 v3 and E5-4600 v3 Product Families Supported

4-Way MP Servers

Supports up to: • 72 Cores per System • 6TB in 96 DIMMs • 11 PCI-E 3.0
• 48x 2.5" SAS 3.0 (12 Gbps) HDDs • Built-in Reliability and Scalability

Ultra



SYS-2048U-RTR4
X10 EP Grantley Haswell 4 Way
E5-4600 v3, total up to 72 cores
Up to 3TB Memory Capacity in 48 DDR4 DIMMs,
11 PCI-E 3.0 slots; SAS3 (12Gbps)/ **NVMe**



SYS-4048B-TR4FT
X10 EX Brickland Haswell 4 Way
E7-8800/4800 v3, total up to 72 cores
Up to 6TB Memory Capacity in 96 DDR4 DIMMs,
Up to 11 PCI-E 3.0 Slots;
Up to 48x 2.5" SAS 3.0 (12Gbps) HDDs



SYS-8048B-TR4FT
X10 EX Brickland Haswell 4 Way
E7-8800/4800 v3, total up to 72 cores
Up to 6TB Memory Capacity in 96 DDR4 DIMMs,
Up to 11 PCI-E 3.0 Slots;
Up to 24x 3.5" SAS 2.0 (6Gbps) HDDs



2U 4-Way
SYS-8028B-COR3FT
SYS-8028B-TR3F
New! **SYS-8028B-COR4FT**
New! **SYS-8028B-TR4F**



SYS-4048B-TRFT
X10 EX Brickland 4 Way
E7-8800/4800 v3/v2, total up to 72 cores
Up to 6TB Memory Capacity in 96 DDR3
DIMMs, Up to 11 PCI-E 3.0 Slots,
Up to 48x 2.5" SAS 3.0 (12Gbps) HDDs



SYS-8048B-TRFT
X10 EX Brickland 4 Way
E7-8800/4800 v3/v2, total up to 72 cores
Up to 6TB Memory Capacity in 96 DDR3
DIMMs, Up to 11 PCI-E 3.0 Slots,
Up to 24x 3.5" SAS 2.0 (6Gbps) HDDs



4U/Tower 4-Way
SYS-8048B-COR3FT
SYS-8048B-TR3F
New! **SYS-8048B-COR4FT**
New! **SYS-8048B-TR4F**

Multi-Processor Based Server Solutions Optimum Performance with Highest Efficiency



The Supermicro 4-Way X10 EX SuperServer® product family is the most highly optimized four socket design in the industry. The SuperServer® SYS-4048B-TR4FT/8048B-TR4FT features a radically new split-level design which provides dual-zone cooling, ensuring Intel's E7-8800/4800 v3 CPUs operating with 18 cores at up to 165 watts each have maximum airflow to operate at peak performance. The systems offer large memory capacities of up to 6TB of ECC RDIMM/LRDIMM DDR3/DDR4 in 96 DIMM slots and up to 1866MHz total per system, and extensive I/O capabilities with up to 11 PCI-E 3.0 expansion slots. Additional leading-edge features include high-speed 10GbE connectivity, 12Gbps SAS 3.0 up to 48x 2.5" drive bays or 6Gbps SAS 2.0 up to 24x 3.5" drive bays storage, N+1 Redundant Platinum Level (94%+) power supplies (total 4 x 1620W power supply) and integrated IPMI 2.0. The SYS-2048U-RTR4 supports the very latest Intel® Xeon® E5-4600 v3 processor family, up to 3TB DDR4 memory in 48 DIMM slots, up to 2133 MHz, and 11 PCI-E 3.0 slots, in a 2U form factor.

4-Way MP

Ultra
4 Way MP
X10 EP Grantley

New!
4 Way MP
18-Cores/CPU, 32 DDR4 DIMMs

New!
4 Way MP
18-Cores/CPU, 32 DDR4 DIMMs



MODEL	SuperServer® SYS-2048U-RTR4	SuperServer® SYS-8028B-TR4F	SuperServer® SYS-8028B-C0R4FT
Processor Support	Intel® Xeon® processor E5-4600 V3 product family with QPI up to 9.6GT/S	Intel® Xeon® processor E7-8800/4800 v3 product families with QPI up to 9.6GT/S	Intel® Xeon® processor E7-8800/4800 v3 product families with QPI up to 9.6GT/S
Key Applications	<ul style="list-style-type: none"> Virtualization High End Enterprise Server Cloud Computing DataCenter Applications 	<ul style="list-style-type: none"> Finance, Banking, e-Commerce Compute Intensive Application Mission-critical applications Enterprise Server 	<ul style="list-style-type: none"> Finance, Banking, e-Commerce Compute Intensive Application Mission-critical applications Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> Up to 72 cores per system 48 x DDR4 up to 3TB Memory 4 NVMe SSD ports Ready Up to 11 x PCI-E3.0 Slots 4 x GLAN + 1 Dedicated IPMI 2U Rack Mount Chassis 	<ul style="list-style-type: none"> Up to 72 cores per system Up to 2TB DDR4 memory capacity in 32 DIMM slots 2U 4-way system 4x PCI-E 3.0 support 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus 	<ul style="list-style-type: none"> Up to 72 cores per system Up to 2TB DDR4 memory capacity in 32 DIMM slots 2U 4-way system 4x PCI-E 3.0 support Avago® 3008 on board 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus
Serverboard	SUPER● X10QRH+	SUPER● X10QBL-4	SUPER● X10QBL-4CT
Chipset	Intel® C612 chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 3TB Memory Capacity in 48 DDR4 DIMMs	32 DIMM slots, Up to 2TB ECC DDR4 (64GB LRDIMM), up to 1866MHz	32 DIMM slots, Up to 2TB ECC DDR4 (64GB LRDIMM), up to 1866MHz
Expansion Slots	9 PCI-E 3.0 x8; 2 PCI-E 3.0 x16	2 PCI-E 3.0 x16 LP slot; 2 PCI-E 3.0 x8 LP slot	2 PCI-E 3.0 x16 LP slot; 2 PCI-E 3.0 x8 LP slot
Onboard Storage Controller	Intel® C612 for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C602J for 2 SATA3 (6 Gbps) ports; 4 SATA2 (3 Gbps); RAID 0,1,5,10;	Intel® C602J for 2 SATA3 (6 Gbps) ports; 4 SATA2 (3 Gbps); RAID 0,1,5,10; Avago® 3008 SW controller on board
Connectivity	Quad LAN with Intel® i350 Gigabit Ethernet Controller	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24 hot-swap 2.5" SAS3 drive support via extra Add-on RAID controller card; 4 Hybrid ports with NVMe support via extra Add-on card	6x 3.5" hot-swap SATA drive bays	6x 3.5" hot-swap SAS2 drive bays (through SAS2 Backplane)
Peripheral Bays	N/A	N/A	N/A
Power Supply	1000W Redundant Titanium Level power supplies	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies
Cooling System	4x 8cm heavy duty fans with speed control	3x 8cm heavy duty fans with speed control	3x 8cm heavy duty fans with speed control
Form Factor	2U Rackmount 437 x 89 x 780mm (17.2" x 3.5" x 30.7")	2U Rackmount 437 x 89 x 709mm (17.2" x 3.5" x 27.9")	2U Rackmount 437 x 89 x 709mm (17.2" x 3.5" x 27.9")

* Please check with your Supermicro sales representative for compatibility

4-Way MP

New!
4 Way MP
18-Cores/CPU, 32 DDR4 DIMMs

New!
4 Way MP
18-Cores/CPU, 32 DDR4 DIMMs



MODEL	SuperServer® SYS-8048B-TR4F	SuperServer® SYS-8048B-C0R4FT
Processor Support	Intel® Xeon® processor E7-8800/4800 v3 product families with QPI up to 9.6GT/S	Intel® Xeon® processor E7-8800/4800 v3 product families with QPI up to 9.6GT/S
Key Applications	<ul style="list-style-type: none"> • Laboratory • Oil & Gas • I/O & Power Intensive Application 	<ul style="list-style-type: none"> • Laboratory • Oil & Gas • I/O & Power Intensive Application
Outstanding Features	<ul style="list-style-type: none"> • Up to 72 cores per system • Up to 2TB DDR4 memory capacity in 32 DIMM slots • 4U 4-way system • 4x PCI-E 3.0 support • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus 	<ul style="list-style-type: none"> • Up to 72 cores per system • Up to 2TB DDR4 memory capacity in 32 DIMM slots • 4U 4-way system • 4x PCI-E 3.0 support • Avago® 3008 on board • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus
Serverboard	SUPER® X10QBL-4	SUPER® X10QBL-4CT
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	32 DIMM slots, Up to 2TB ECC DDR4 (64GB LRDIMM), up to 1866MHz	32 DIMM slots, Up to 2TB ECC DDR4 (64GB LRDIMM), up to 1866MHz
Expansion Slots	2 PCI-E 3.0 x16 FH slot; 2 PCI-E 3.0 x8 FH slot	2 PCI-E 3.0 x16 FH slot; 2 PCI-E 3.0 x8 FH slot
Onboard Storage Controller	Intel® C602J for 2 SATA3 (6 Gbps) ports; 4 SATA2 (3 Gbps); RAID0,1,5,10	Intel® C602J for 2 SATA3 (6 Gbps) ports; 4 SATA2 (3 Gbps); RAID0,1,5,10; Avago® 3008 SW controller on board
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	5x 3.5" hot-swap SATA/SAS drive bays	5x 3.5" hot-swap SAS2 drive bays (through SAS2 Backplane)
Peripheral Bays	3x 5.25" peripheral bays; Optional 2x M28SAB-OEM (SAS3 Mobile Rack)	3x 5.25" peripheral bays; Optional 2x M28SAB-OEM (SAS3 Mobile Rack)
Power Supply	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I ² C & PMBus	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 9cm mid fans + 3x 8cm rear fans with speed control	3x 9cm mid fans + 3x 8cm rear fans with speed control
Form Factor	4U Rackmount/Tower 462 x 178 x 721mm (18.2" x 7" x 28.4")	4U Rackmount/Tower 462 x 178 x 721mm (18.2" x 7" x 28.4")

* Please check with your Supermicro sales representative for compatibility



4 Way MP
18-Cores/CPU, 32 DDR3 DIMMs



4 Way MP
18-Cores/CPU, 32 DDR3 DIMMs



MODEL	SuperServer® SYS-8028B-TR3F	SuperServer® SYS-8028B-C0R3FT
Processor Support	Intel® Xeon® processor E7-8800/4800 v3 product families with QPI up to 9.6GT/S	Intel® Xeon® processor E7-8800/4800 v3 product families with QPI up to 9.6GT/S
Key Applications	<ul style="list-style-type: none"> • Finance, Banking, e-Commerce • Compute Intensive Application • Mission-critical applications • Enterprise Server 	<ul style="list-style-type: none"> • Finance, Banking, e-Commerce • Compute Intensive Application • Mission-critical applications • Enterprise Server
Outstanding Features	<ul style="list-style-type: none"> • Up to 72 cores per system • Up to 2TB DDR3 memory capacity in 32 DIMM slots • 2U 4-way system • 4x PCI-E 3.0 support • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus 	<ul style="list-style-type: none"> • Up to 72 cores per system • Up to 2TB DDR3 memory capacity in 32 DIMM slots • 2U 4-way system • 4x PCI-E 3.0 support • Avago® 3008 on board • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus
Serverboard	SUPERMICR® X10QBL	SUPERMICR® X10QBL-CT
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	32 DIMM slots, Up to 2TB ECC DDR3 (64GB LRDIMM), up to 1600MHz (32GB LR-DIMM)	32 DIMM slots, Up to 2TB ECC DDR3 (64GB LRDIMM), up to 1600MHz (32GB LR-DIMM)
Expansion Slots	2 PCI-E 3.0 x16 LP slot; 2 PCI-E 3.0 x8 LP slot	2 PCI-E 3.0 x16 LP slot; 2 PCI-E 3.0 x8 LP slot
Onboard Storage Controller	Intel® C602J for 2 SATA3 (6 Gbps) ports; 4 SATA2 (3 Gbps); RAID 0,1,5,10;	Intel® C602J for 2 SATA3 (6 Gbps) ports; 4 SATA2 (3 Gbps); RAID 0,1,5,10; Avago® 3008 SW controller on board
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	6x 3.5" hot-swap SATA drive bays	6x 3.5" hot-swap SAS2 drive bays (through SAS2 Backplane)
Peripheral Bays	N/A	N/A
Power Supply	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies
Cooling System	3x 8cm heavy duty fans with speed control	3x 8cm heavy duty fans with speed control
Form Factor	2U Rackmount 437 x 89 x 709mm (17.2" x 3.5" x 27.9")	2U Rackmount 437 x 89 x 709mm (17.2" x 3.5" x 27.9")

4-Way MP

* Please check with your Supernova sales representative for compatibility

4 Way MP
18-Cores/CPU, 32 DDR3 DIMMs

4 Way MP
18-Cores/CPU, 32 DDR3 DIMMs



MODEL	SuperServer® SYS-8048B-TR3F	SuperServer® SYS-8048B-C0R3FT
Processor Support	Intel® Xeon® processor E7-8800/4800 v3 product families with QPI up to 9.6GT/S	Intel® Xeon® processor E7-8800/4800 v3 product families with QPI up to 9.6GT/S
Key Applications	<ul style="list-style-type: none"> • Laboratory • Oil & Gas • I/O & Power Intensive Application 	<ul style="list-style-type: none"> • Laboratory • Oil & Gas • I/O & Power Intensive Application
Outstanding Features	<ul style="list-style-type: none"> • Up to 72 cores per system • Up to 2TB DDR3 memory capacity in 32 DIMM slots • 4U 4-way system • 4x PCI-E 3.0 support • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus 	<ul style="list-style-type: none"> • Up to 72 cores per system • Up to 2TB DDR3 memory capacity in 32 DIMM slots • 4U 4-way system • 4x PCI-E 3.0 support • Avago® 3008 on board • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus
Serverboard	SUPER® X10QBL	SUPER® X10QBL-CT
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	32 DIMM slots, Up to 2TB ECC DDR3 (64GB LRDIMM), up to 1600MHz (32GB LR-DIMM)	32 DIMM slots, Up to 2TB ECC DDR3 (64GB LRDIMM), up to 1600MHz (32GB LR-DIMM)
Expansion Slots	2 PCI-E 3.0 x16 FH slot; 2 PCI-E 3.0 x8 FH slot	2 PCI-E 3.0 x16 FH slot; 2 PCI-E 3.0 x8 FH slot
Onboard Storage Controller	Intel® C602J for 2 SATA3 (6 Gbps) ports; 4 SATA2 (3 Gbps); RAID0,1,5,10	Intel® C602J for 2 SATA3 (6 Gbps) ports; 4 SATA2 (3 Gbps); RAID0,1,5,10; Avago® 3008 SW controller on board
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	5x 3.5" hot-swap SATA/SAS drive bays	5x 3.5" hot-swap SAS2 drive bays (through SAS2 Backplane)
Peripheral Bays	3x 5.25" peripheral bays; Optional 2x M28SAB-OEM (SAS3 Mobile Rack)	3x 5.25" peripheral bays; Optional 2x M28SAB-OEM (SAS3 Mobile Rack)
Power Supply	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I ² C & PMBus	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 9cm mid fans + 3x 8cm rear fans with speed control	3x 9cm mid fans + 3x 8cm rear fans with speed control
Form Factor	4U Rackmount/Tower 462 x 178 x 721mm (18.2" x 7" x 28.4")	4U Rackmount/Tower 462 x 178 x 721mm (18.2" x 7" x 28.4")

* Please check with your Supermicro sales representative for compatibility

4-Way MP

X10 EX Brickland Haswell 4-Way DDR4 Platform
Up to 6TB Memory, 72 Cores,
11 PCI-E 3.0 Slots; SAS 2.0 (6Gbps)

X10 EX Brickland Haswell 4-Way DDR4 Platform
Up to 6TB Memory, 72 Cores,
11 PCI-E 3.0 Slots; SAS 3.0 (12Gbps)



MODEL	SuperServer® SYS-8048B-TR4FT	SuperServer® SYS-4048B-TR4FT
Processor Support	Intel® Xeon® processor E7-8800/4800 v3 product families with QPI up to 9.6GT/S	Intel® Xeon® processor E7-8800/4800 v3 product families with QPI up to 9.6GT/S
Key Applications	<ul style="list-style-type: none"> • Business Intelligence • ERP, CRM • Database Applications • Research lab/National Lab • Virtualization 	<ul style="list-style-type: none"> • Business Intelligence • ERP, CRM • Database Applications • Research lab/National Lab • Virtualization
Outstanding Features	<ul style="list-style-type: none"> • Up to 72 CPU cores per system • Up to 6TB in 96 memory DIMMs • Up to 11 PCI-E 3.0 slots • Up to 24 3.5" HDDs, SAS 2.0 (6Gbps) • Up to 4x 1620W Redundant Platinum Level (94%) power supplies 	<ul style="list-style-type: none"> • Up to 72 CPU cores per system • Up to 6TB in 96 memory DIMMs • Up to 11 PCI-E 3.0 slots • Up to 48 SAS 3.0 (12Gbps) 2.5" drive bays • Up to 4x 1620W Redundant Platinum Level (94%) power supplies
Serverboard	SUPER● X10QBi	SUPER● X10QBi
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 6TB Memory Capacity in 96 DDR4 DIMMs (8x memory module board: X10QBi-MEM2)	Up to 6TB Memory Capacity in 96 DDR4 DIMMs (8x memory module board: X10QBi-MEM2)
Expansion Slots	11 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 7x PCI-E3.0 x8) with 4 memory module boards; 8 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 4x PCI-E3.0 x8) with 8 memory module boards	11 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 7x PCI-E3.0 x8) with 4 memory module boards; 8 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 4x PCI-E3.0 x8) with 8 memory module boards
Onboard Storage Controller	Intel® C602J for 2 SATA3 (6 Gbps) ports and 4 SATA2 (3 Gbps)	Intel® C602J for 2 SATA3 (6 Gbps) ports and 4 SATA2 (3 Gbps)
Connectivity	Dual 10GBase-T ports with Intel® X540 controller on AOM card	Dual 10GBase-T ports with Intel® X540 controller on AOM card
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24 hot-swap 3.5" SAS2 drive support via extra Add-on RAID controller card	24 hot-swap 2.5" SAS3 drive support via extra Add-on RAID controller card; optional: up to 48 hot-swap 2.5" SAS3 drives support via extra backplane + add-on RAID controller card
Peripheral Bays	N/A	N/A
Power Supply	(N+1) Redundant 1620W up to 4 Platinum Level (94%) power supplies	(N+1) Redundant 1620W up to 4 Platinum Level (94%) power supplies
Cooling System	4x 9cm mid fans + 3x 8cm rear fans with speed control; optional 2 additional 8cm rear fans	4x 9cm mid fans + 3x 8cm rear fans with speed control; optional 2 additional 8cm rear fans
Form Factor	4U Rackmount 437 x 178 x 846mm (17.2" x 7" x 33.3")	4U Rackmount 437 x 178 x 795mm (17.2" x 7" x 31.3")

* Please check with your Supermicro sales representative for compatibility

4-Way MP

X10 EX 4-Way DDR3 MP
Up to 6TB Memory, 72 Cores,
11 PCI-E 3.0 Slots; SAS 2.0 (6Gbps)

X10 EX 4-Way DDR3 MP
Up to 6TB Memory, 72 Cores,
11 PCI-E 3.0 Slots; SAS 3.0 (12Gbps)



MODEL	SuperServer® SYS-8048B-TRFT	SuperServer® SYS-4048B-TRFT
Processor Support	Dual Intel® Xeon® processor E7-8800/4800 v3/v2 product families with QPI up to 9.6GT/S	Dual Intel® Xeon® processor E7-8800/4800 v3/v2 product families with QPI up to 9.6GT/S
Key Applications	<ul style="list-style-type: none"> • Business Intelligence • ERP CRM • Database • Virtualization • Research Lab/National Lab 	<ul style="list-style-type: none"> • Business Intelligence • ERP CRM • Database • Virtualization • Research Lab/National Lab
Outstanding Features	<ul style="list-style-type: none"> • Up to 72 CPU cores per system • Up to 6TB in 96 memory DIMMs • Up to 11 PCI-E 3.0 slots • Up to 24 SAS 2.0 (6Gbps) 3.5" drive bays • Independent power and cooling controls • Up to 4x 1620W Redundant Platinum Level (94%) power supplies 	<ul style="list-style-type: none"> • Up to 72 CPU cores per system • Up to 6TB in 96 memory DIMMs • Up to 11 PCI-E 3.0 slots • Up to 48 SAS 3.0 (12Gbps) 2.5" drive bays • Independent power and cooling controls • Up to 4x 1620W Redundant Platinum Level (94%) power supplies
Serverboard	SUPER® X10QBi / X10QBi-MEM1 / AOM-X10QBi-A	SUPER® X10QBi / X10QBi-MEM1 / AOM-X10QBi-A
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 6TB Memory Capacity in 96 DDR4 DIMMs (8x memory module board: X10QBi-MEM1**)	Up to 6TB Memory Capacity in 96 DDR4 DIMMs (8x memory module board: X10QBi-MEM1**)
Expansion Slots	11 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 7x PCI-E3.0 x8) with 4 memory module boards; 8 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 4x PCI-E3.0 x8) with 8 memory module boards	11 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 7x PCI-E3.0 x8) with 4 memory module boards; 8 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 4x PCI-E3.0 x8) with 8 memory module boards
Onboard Storage Controller	Intel® C602J for 2 SATA3 (6 Gbps) ports and 4 SATA2 (3 Gbps)	Intel® C602J for 2 SATA3 (6 Gbps) ports and 4 SATA2 (3 Gbps)
Connectivity	Dual 10GBase-T ports with Intel® X540 controller on AOM card	Dual 10GBase-T ports with Intel® X540 controller on AOM card
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24 hot-swap 3.5" SAS2 drive support via extra Add-on RAID controller card	24 hot-swap 2.5" SAS3 drive support via extra Add-on RAID controller card; optional: up to 48 hot-swap 2.5" SAS3 drives support via extra backplane + add-on RAID controller card
Peripheral Bays	N/A	N/A
Power Supply	(N+1) Redundant 1620W Platinum Level (94%) power supplies	(N+1) Redundant 1620W Platinum Level (94%) power supplies
Cooling System	4x 9cm mid fans + 3x 8cm rear fans with speed control; optional 2 additional 8cm rear fans	4x 9cm mid fans + 3x 8cm rear fans with speed control; optional 2 additional 8cm rear fans
Form Factor	4U Rackmount 437 x 178 x 846mm (17.2" x 7" x 33.3")	4U Rackmount 437 x 178 x 795mm (17.2" x 7" x 31.3")

* Please check with your Supermicro sales representative for compatibility

** X10QBi-MEM1 Rev. 1.01: supports Ivy Bridge CPU;

X10QBi-MEM1 Rev. 2.0: supports Haswell CPU



X9 EP-4Way



X9 EP-4Way



MODEL	SuperServer® SYS-8017R-TF+ SYS-8017R-7FT+	SuperServer® SYS-8027R-TRF+ SYS-8027R-7RFT+
Processor Support	Quad Intel® Xeon® processor E5-4600 v2 product family with QPI up to 8.0GT/s, up to 12 Cores	Quad Intel® Xeon® processor E5-4600 v2 product family with QPI up to 8.0GT/s, up to 12 Cores
Key Applications	<ul style="list-style-type: none"> • HPC • Compute Intensive Application • Virtualization 	<ul style="list-style-type: none"> • HPC • Finance/Banking, e-Commerce • Compute Intensive Applications • Enterprise/Mission Critical Server
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 3x 3.5" Hot-swap SATA/SAS drives • 1400W Platinum Level Digital high-efficiency (94%+) power supply with I²C & PMBus • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 130W CPU support • 6x 3.5" Hot-swap SAS/SATA drives • 1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies with I²C & PMBus • IPMI 2.0 + KVM with dedicated LAN
Serverboard	-TF+: SUPER● X9QRi-F+ -7FT+: SUPER● X9QR7-TF+	-TRF+: SUPER● X9QRi-F+ -7RFT+: SUPER● X9QR7-TF+
Chipset	Intel® C602 Chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB of DDR3 1866MHz ECC RDIMM/LRDIMM up to 32 DIMM slots	Up to 1TB of DDR3 1866MHz ECC RDIMM/LRDIMM up to 32 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 low-profile	4 PCI-E 3.0 x16 LP slot (2x PCI-E 3.0 x8 in x16 slot)
Onboard Storage Controller	-TF+: Intel® C602 for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1 -7FT+: Avago® 2208 controller for SAS2 (6Gbps) ports; HW RAID 0,1,5	-TRF+: Intel® C602 for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1; -7RFT+: Avago® 2208 controller for 8 SAS2 (6Gbps) ports; HW RAID 0,1,5
Connectivity	-TF+: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -7FT+: Dual 10GBase-T ports with Intel® X540 controller	-TRF+: Dual LAN ports with Intel® i350 Gigabit Ethernet controller; -7RFT+: Dual 10GBase-T LAN with Intel® 540 10Gb Ethernet controller
VGA/Audio	Matrox G200eW video controller	Matrox® G200eW video controller
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	3x 3.5" hot-swap SATA/SAS drive bays 1x slim DVD-ROM (optional)	6x 3.5" hot-swap SATA/SAS drive bays 1x slim DVD-ROM drive (optional)
Peripheral Bays	N/A	N/A
Power Supply	1400W Platinum Level Digital high-efficiency (94%+) power supply	1400W Redundant Platinum Level Digital (94%+) high-efficiency power supplies
Cooling System	7x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")	2U Rackmount 437 x 89 x 709mm (17.2" x 3.5" x 27.9")

* Please check with your Supermicro sales representative for compatibility

4-Way MP

X9 EP-4Way

X9 EP-4Way



MODEL	SuperServer® SYS-8047R-7JRFT SYS-4047R-7JRFT	SuperServer® SYS-8047R-TRF+ SYS-8047R-7RFT+
Processor Support	Quad Intel® Xeon® processor E5-4600 v2 product family with QPI up to 8.0GT/s,	Quad Intel® Xeon® processor E5-4600 v2 product family with QPI up to 8.0GT/s, up to 12 Cores
Key Applications	<ul style="list-style-type: none"> • High Performance Data system • Data Farm • Storage Application • Oil and Gas company 	<ul style="list-style-type: none"> • Research lab/National Lab • Oil and Gas company • I/O & Power Intensive Application
Outstanding Features	<ul style="list-style-type: none"> • 130W CPU support • 24x 3.5" or 48x 2.5" Hot-swap SAS/SATA drives • 1620W Redundant Platinum Level high-efficiency (94%) power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 130W CPU support • 5x 3.5" Hot-swap SAS/SATA drives • 1400W Redundant Platinum Level Digital high-efficiency (94%+) power supplies with I²C & PMBus • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9QR7-JTF	-TRF+: SUPER● X9QRi-F+ -7RFT+: SUPER● X9QR7-TF+
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 768GB of DDR3 1866MHz ECC RDIMM/LRDIMM up to 24 DIMM slots	Up to 1TB* of DDR3 1866MHz ECC RDIMM/LRDIMM up to 32 DIMM slots
Expansion Slots	8 x PCI-E 3.0 x16 Slot (1x PCI-E 3.0 x8 in x16 slot)	4x PCI-E 3.0 x16 (2x PCI-E 3.0 x8 in x16 slots)
Onboard Storage Controller	Dual Avago® 2308 SAS2 Onboard 16 SATA3/SAS2, SAS IT Mode	-TRF+: Intel® C602 for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1; -7RFT+: Avago® 2208 controller for SAS2 (6Gbps) ports; HW RAID 0,1,5,6,10
Connectivity	Dual 10GBase-T ports with Intel® X540 controller	Dual LAN ports with Intel® i350 Gigabit Ethernet controller Dual 10GBase-T ports with Intel® X540 controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8047R-7JRFT: 24x 3.5" Hot-swap SAS/SATA drives 4047R-7JRFT: 48x 2.5" Hot-swap SAS/SATA drives	5x 3.5" hot-swap SATA/SAS drive bays
Peripheral Bays	Two Bays for : 1x Slim DVD-ROM Drive (optional) OR 1x Slim Floppy Drive (optional) OR 1x USB/COM port tray (optional) OR 1x Slim 2.5" fixed HDD tray (optional)	3x 5.25" peripheral bays
Power Supply	1620W Redundant Platinum Level high-efficiency (94%) power supplies	1400W Redundant Platinum Level Digital high-efficiency (94%+) power supplies
Cooling System	3x 8CM + 4x 9CM Heavy Duty Fans with Speed Control	3x 9cm + 3x 8cm heavy duty fans with speed control
Form Factor	4U Rackmount 437 x 178 x 737mm (17.2" x 7" x 29")	4U Rackmount/Tower 462 x 178 x 721mm (18.2" x 7" x 28.4")

* Please check with your Supermicro sales representative for compatibility



MicroBlade

- Support up to: • 28/14 Xeon® E5-2600 v3 DP, 28/14 Xeon® E3-1200 v5/v4/v3 UP in 6U/3U, 56/28 Xeon® D-1500 UP, or 112 Atom nodes in 6U • 120W DP Nodes in 0.2U
- Up to 99% cable reduction compared to 1U servers
 - 2000W Titanium Level, N+1 or N+N Redundant Digital power supplies
 - Redundant 10/2.5/1GbE SDN switches with 40G/10G uplinks
 - Front-loading nodes for easy access and servicing • Redundant CMMs



3U MicroBlade
(MBI-6219G-T)



6U MicroBlade
(MBI-6218G-T41X)



(Rear View w/ 10G Switches)



(Rear View w/ 1G Switches)

MicroBlade Servers

<p>10GbE</p> <p>MBI-6128R-T2 MBI-6128R-T2X Xeon® E5-2600 v3</p>		<p>New! 10GbE</p> <p>MBI-6218G-T41X MBI-6118G-T41X Xeon® D-1541</p>		<p>New!</p> <p>MBI-6219G-T MBI-6118D-T2/T2H MBI-6118D-T4/T4H Xeon® E3-1200 v5/v4/v3</p>			<p>MBI-6418A-T7H/T5H Atom™ C2750/ C2550</p>
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Highest-Density, Most Cost-Effective UP and DP Blade Systems for Enterprises, Data Centers, HPC and Cloud Computing



The Supermicro MicroBlade system represents an entirely new type of computing platform. It is a powerful, flexible and extreme-density, all-in-one total system that features 112/56/28/14 MicroBlade server nodes in 6U/3U. The MicroBlade supports DP/UP Intel® Xeon® or Atom™ processors, and up to 4 HDDs/SSDs and a SATADOM per server. The MicroBlade enclosure can incorporate up to 2 Chassis Management Modules, and up to 4/2 Switches for efficient, high-bandwidth communications. It can incorporate up to 8 redundant (N+1 or N+N) 2000W Titanium/1600W Platinum Level high-efficiency (96%/95%) power supplies with cooling fans. This innovative new generation architecture includes servers, networking, storage, and unified remote management for cloud computing, dedicated hosting, web front end, content delivery, social networking, enterprises, and high performance computing applications.

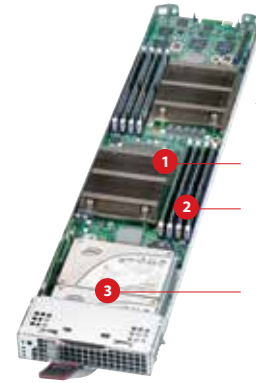


56 Xeon® Skylake UP Nodes in 6U

Intel® Xeon® Processor E3-1200 v5 Product Family



Industry's Densest (0.1U)
UP Server

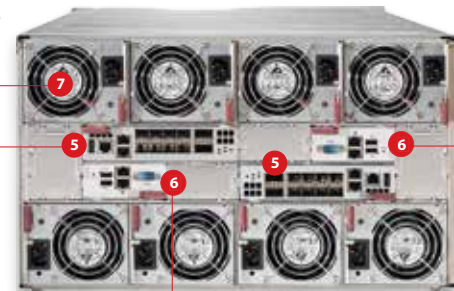


MicroBlade Server:

- 1 Dual Intel® Xeon® E3-1200 v5
- 2 8 DIMM slots
- 3 2x 2.5" SATA3 HDDs, or 4x 2.5" SSDs

(MBM-CMM-001)
Redundant Chassis
Management Modules

MBE-628E-416/420 or MBE-628E-816/820



Power Supplies

1G Switches

(Rear View)

MODEL	6U MicroBlade (MBI-6219G-T)					
MicroBlade Server (2 Independent Nodes)	<ul style="list-style-type: none"> 1 Dual Intel® Xeon® processor E3-1200 v5 product family 2 Up to 128GB ECC DDR4 2133MHz VLP UDIMM 3 2x 2.5" SATA3 HDDs or 4x 2.5" SSDs 					
Outstanding Features	<ul style="list-style-type: none"> • 56 Intel® Xeon® UP hot swap MicroBlade servers per 6U enclosure • Redundant Ethernet Switches • Redundant Chassis Management Modules (CMMs) • Redundant Power Supplies 					
5 1G Switch	<ul style="list-style-type: none"> • Up to 2 switches with 2x 40Gbps QSFP Uplinks or 8x10Gbps SFP+ Uplinks; and 56x 1Gbps Downlinks per switch (MBM-GEM-001, MBM-GEM-003S, MBM-GEM-003i) <table border="0" style="width: 100%;"> <tr> <td style="width: 33%;"> <ul style="list-style-type: none"> - L2+ Switching - 64K MAC Table - 4K VLANs - Port Mirroring - Spanning Tree (RSTB/MSTP) </td> <td style="width: 33%;"> <ul style="list-style-type: none"> - Access Control List (ACL) - Link Aggregation - Storm Controllers - IGMP Snooping - OpenFlow/SDN capable </td> <td style="width: 33%;"> <ul style="list-style-type: none"> - CLI / SNMP / XMLRPC - Intel® Open Networking Software (ONS) - Out of Band Management port - RS232 Console - LLDP Data Center Bridging </td> </tr> </table>			<ul style="list-style-type: none"> - L2+ Switching - 64K MAC Table - 4K VLANs - Port Mirroring - Spanning Tree (RSTB/MSTP) 	<ul style="list-style-type: none"> - Access Control List (ACL) - Link Aggregation - Storm Controllers - IGMP Snooping - OpenFlow/SDN capable 	<ul style="list-style-type: none"> - CLI / SNMP / XMLRPC - Intel® Open Networking Software (ONS) - Out of Band Management port - RS232 Console - LLDP Data Center Bridging
<ul style="list-style-type: none"> - L2+ Switching - 64K MAC Table - 4K VLANs - Port Mirroring - Spanning Tree (RSTB/MSTP) 	<ul style="list-style-type: none"> - Access Control List (ACL) - Link Aggregation - Storm Controllers - IGMP Snooping - OpenFlow/SDN capable 	<ul style="list-style-type: none"> - CLI / SNMP / XMLRPC - Intel® Open Networking Software (ONS) - Out of Band Management port - RS232 Console - LLDP Data Center Bridging 				
6 Chassis Management Module	<ul style="list-style-type: none"> • Up to 2 CMMs remotely manage and monitor server blades, power supplies, cooling fans, and networking switches • The 2nd CMM is for redundancy and failover support <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"> <ul style="list-style-type: none"> - IPMI 2.0 compliant, with KVM over LAN / KVM over IP - Serial over LAN (SOL) - Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Direction) - LAN Alert-SNMP Trap - Event Log </td> <td style="width: 40%;"> <ul style="list-style-type: none"> - Hardware Health Monitor - Remote Power Control - Management Tools - IPMIView, CLI (Command Line Interface) - Supports RMCP & RMCP+ Protocols </td> </tr> </table>			<ul style="list-style-type: none"> - IPMI 2.0 compliant, with KVM over LAN / KVM over IP - Serial over LAN (SOL) - Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Direction) - LAN Alert-SNMP Trap - Event Log 	<ul style="list-style-type: none"> - Hardware Health Monitor - Remote Power Control - Management Tools - IPMIView, CLI (Command Line Interface) - Supports RMCP & RMCP+ Protocols 	
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7 Power Supply	<ul style="list-style-type: none"> • Up to 8 (N+1 or N+N redundant) 2000W (200-240VAC) Titanium Level (96%); 1600W (200-240VAC)/1400W (120-140VAC)/1200W (100-120VAC) Platinum Level (95%) Digital high-efficiency power supplies with cooling fans • Peak efficiency 96% at 50% loading • Supports remote monitoring through I²C and SMBus 					
Dimensions	<ul style="list-style-type: none"> 6U Rackmount • 449 x 265 x 875mm (17.67"W x 10.43"H x 34.43"D) 					

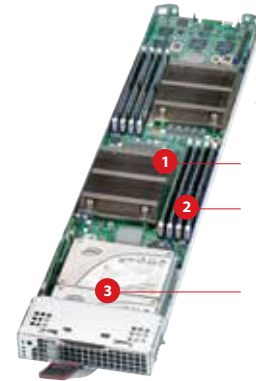


28 Xeon® Skylake UP Nodes in 3U

Intel® Xeon® Processor E3-1200 v5 Product Family



**Industry's Densest (0.1U)
UP Server**



MicroBlade Server:

- 1 Dual Intel® Xeon® E3-1200 v5
- 2 8 DIMM slots
- 3 2x 2.5" SATA3 HDDs, or 4x 2.5" SSDs



- 4 (MBM-CMM-001) Redundant Chassis Management Modules
- 5 1G Switches
- 6 Power Supplies
- 7 MBE-314E (Rear View)

MODEL	3U MicroBlade (MBI-6219G-T)		
MicroBlade Server (2 Independent Nodes)	<ul style="list-style-type: none"> 1 Dual Intel® Xeon® processor E3-1200 v5 product family 2 Up to 128GB ECC DDR4 2133MHz VLP UDIMM 3 2x 2.5" SATA3 HDDs or 4x 2.5" SSDs 		
Outstanding Features	<ul style="list-style-type: none"> • 28 Intel® Xeon® UP hot swap MicroBlade servers per 3U enclosure • Redundant Ethernet Switches • Chassis Management Modules (CMMs) • Redundant Power Supplies 		
5 1G Switch	<ul style="list-style-type: none"> • Up to 2 switches with 2x 40Gbps QSFP Uplinks or 8x10Gbps SFP+ Uplinks; and 56x 1Gbps Downlinks per switch (MBM-GEM-001, MBM-GEM-003S, MBM-GEM-003i) 		
	<ul style="list-style-type: none"> - L2+ Switching - 64K MAC Table - 4K VLANs - Port Mirroring - Spanning Tree (RSTB/MSTP) 	<ul style="list-style-type: none"> - Access Control List (ACL) - Link Aggregation - Storm Controllers - IGMP Snooping - OpenFlow/SDN capable 	<ul style="list-style-type: none"> - CLI / SNMP / XMLRPC - Intel® Open Networking Software (ONS) - Out of Band Management port - RS232 Console - LLDP Data Center Bridging
6 Chassis Management Module	<ul style="list-style-type: none"> • 1 CMM remotely manage and monitor server blades, power supplies, cooling fans, and networking switches 		
	<ul style="list-style-type: none"> - IPMI 2.0 compliant, with KVM over LAN / KVM over IP - Serial over LAN (SOL) - Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Direction) - LAN Alert-SNMP Trap - Event Log 	<ul style="list-style-type: none"> - Hardware Health Monitor - Remote Power Control - Management Tools - IPMIView, CLI (Command Line Interface) - Supports RMCP & RMCP+ Protocols 	
7 Power Supply	<ul style="list-style-type: none"> • Up to 4 (N+1 or N+N redundant) 2000W (200-240VAC) Titanium Level (96%); 1600W (200-240VAC)/1400W (120-140VAC)/1200W (100-120VAC) Platinum Level (95%) Digital high-efficiency power supplies with cooling fans • Peak efficiency 96% at 50% loading • Supports remote monitoring through I²C and SMBus 		
Dimensions	3U Rackmount 449 x 132.5 x 881mm (17.67"W x 5.21"H x 34.72"D)		

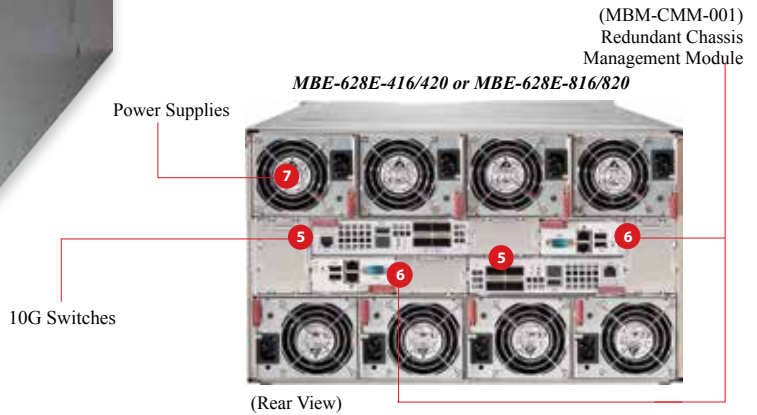
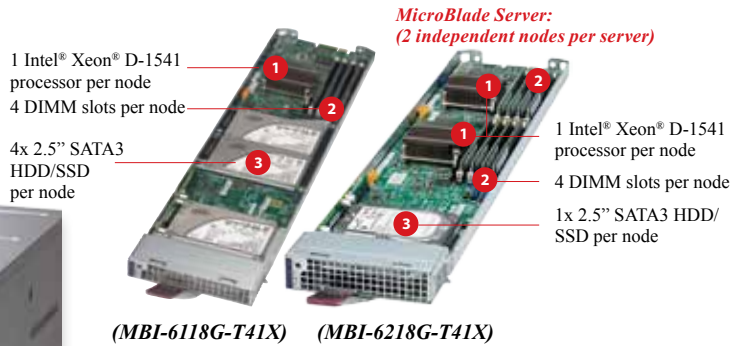
MicroBlade



56/28 Xeon® UP Nodes in 6U

Intel® Xeon® Processor D-1500 Product Family

Industry's Densest (0.1U) / (0.2U) UP Server



MODEL	MicroBlade (MBI-6218G-T41X / MBI-6118G-T41X)					
MicroBlade Server 2 independent nodes (-6218G) 1 independent nodes (-6118G)	<ul style="list-style-type: none"> 1 Intel® Xeon® processor D-1541 product family 2 Up to 256/128GB ECC DDR4 2400MHz VLP RDIMM 3 1x 2.5" SATA3 HDD/SSD and 1x SATADOM or 4x 2.5" SATA3 (2x 2.5" SSDs/HDDs + 2x SSDs) 					
Outstanding Features	<ul style="list-style-type: none"> • 2/1 Xeon® nodes per Blade, 56 Xeon® nodes in 6U enclosure, 392/196 Xeon® nodes per 42U rack • Redundant Ethernet Switches • Redundant Chassis Management Modules (CMMs) • Redundant Power Supplies 					
5 10G Switch	<ul style="list-style-type: none"> • Up to 2 switches with 4x 40Gbps QSFP Uplinks and 56x 10Gbps Downlinks per switch (MBM-XEM-001) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;"> <ul style="list-style-type: none"> - L2+ Switching - 64K MAC Table - 4K VLANs - Port Mirroring - Spanning Tree (RSTB/MSTP) </td> <td style="width: 33%;"> <ul style="list-style-type: none"> - Access Control List (ACL) - Link Aggregation - Storm Controllers - IGMP Snooping - OpenFlow/SDN capable </td> <td style="width: 33%;"> <ul style="list-style-type: none"> - CLI / SNMP / XMLRPC - Intel® Open Networking Software (ONS) - Out of Band Management port - RS232 Console - LLDP Data Center Bridging </td> </tr> </table>			<ul style="list-style-type: none"> - L2+ Switching - 64K MAC Table - 4K VLANs - Port Mirroring - Spanning Tree (RSTB/MSTP) 	<ul style="list-style-type: none"> - Access Control List (ACL) - Link Aggregation - Storm Controllers - IGMP Snooping - OpenFlow/SDN capable 	<ul style="list-style-type: none"> - CLI / SNMP / XMLRPC - Intel® Open Networking Software (ONS) - Out of Band Management port - RS232 Console - LLDP Data Center Bridging
<ul style="list-style-type: none"> - L2+ Switching - 64K MAC Table - 4K VLANs - Port Mirroring - Spanning Tree (RSTB/MSTP) 	<ul style="list-style-type: none"> - Access Control List (ACL) - Link Aggregation - Storm Controllers - IGMP Snooping - OpenFlow/SDN capable 	<ul style="list-style-type: none"> - CLI / SNMP / XMLRPC - Intel® Open Networking Software (ONS) - Out of Band Management port - RS232 Console - LLDP Data Center Bridging 				
6 Chassis Management Module	<ul style="list-style-type: none"> • Up to 2 CMMs remotely manage and monitor server blades, power supplies, cooling fans, and networking switches • The 2nd CMM is for redundancy and failover support <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 66%;"> <ul style="list-style-type: none"> - IPMI 2.0 compliant, with KVM over LAN / KVM over IP - Serial over LAN (SOL) - Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Direction) - LAN Alert-SNMP Trap - Event Log </td> <td style="width: 33%;"> <ul style="list-style-type: none"> - Hardware Health Monitor - Remote Power Control - Management Tools - IPMIView, CLI (Command Line Interface) - Supports RMCP & RMCP+ Protocols </td> </tr> </table>			<ul style="list-style-type: none"> - IPMI 2.0 compliant, with KVM over LAN / KVM over IP - Serial over LAN (SOL) - Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Direction) - LAN Alert-SNMP Trap - Event Log 	<ul style="list-style-type: none"> - Hardware Health Monitor - Remote Power Control - Management Tools - IPMIView, CLI (Command Line Interface) - Supports RMCP & RMCP+ Protocols 	
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7 Power Supply	<ul style="list-style-type: none"> • Up to 8 (N+1 or N+N redundant) 2000W (200-240VAC) Titanium Level (96%); 1600W (200-240VAC)/1400W (120-140VAC)/1200W (100-120VAC) Platinum Level (95%) Digital high-efficiency power supplies with cooling fans • Peak efficiency 96% at 50% loading • Supports remote monitoring through I²C and SMBus 					
Dimensions	<ul style="list-style-type: none"> • 6U Rackmount • 449 x 265 x 875mm (17.67"W x 10.43"H x 34.43"D) 					

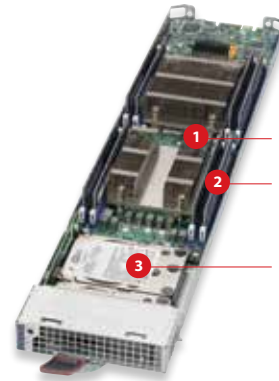
MicroBlade



28 Xeon® DP Nodes in 6U

Intel® Xeon® Processor E5-2600 v3 Product Family

**Industry's Densest (0.2U)
DP Server**



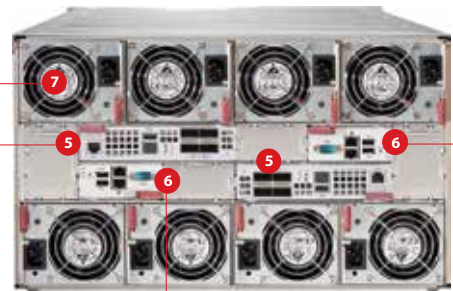
MicroBlade Server:

- 1 Dual Intel® Xeon® E5-2600 v3
- 2 8 DIMM slots
- 3 2x 2.5" SATA3 HDDs/SSDs

(MBM-CMM-001)
Redundant Chassis
Management Modules

MBE-628E-416/420 or MBE-628E-816/820

Power Supplies



(Rear View)

10G Switches

MODEL	MicroBlade (MBI-6128R-T2/T2X)		
MicroBlade Server	<ul style="list-style-type: none"> 1 Dual Intel® Xeon® processor E5-2600 v3 product family 2 Up to 256GB ECC DDR4 2133MHz VLP RDIMM 3 2x 2.5" SATA3 HDDs/SSDs and 1x SATADOM 		
Outstanding Features	<ul style="list-style-type: none"> • 28 Intel® Xeon® DP hot swap MicroBlade servers per 6U enclosure • Redundant Ethernet Switches • Redundant Chassis Management Modules (CMMs) • Redundant Power Supplies 		
5 10G Switch	<ul style="list-style-type: none"> • T2: Up to 2 switches with 2x 40Gbps QSFP Uplinks or 8x10Gbps SFP+ Uplinks; and 56x 1Gbps Downlinks per switch (MBM-GEM-001, MBM-GEM-003S, MBM-GEM-003i) • T2X: Up to 2 switches with 4x40Gbps QSFP Uplinks and 28x 10Gbps Downlinks per switch (MBM-XEM-001) 		
	<ul style="list-style-type: none"> - L2+ Switching - 64K MAC Table - 4K VLANs - Port Mirroring - Spanning Tree (RSTB/MSTP) 	<ul style="list-style-type: none"> - Access Control List (ACL) - Link Aggregation - Storm Controllers - IGMP Snooping - OpenFlow/SDN capable 	<ul style="list-style-type: none"> - CLI / SNMP / XMLRPC - Intel® Open Networking Software (ONS) - Out of Band Management port - RS232 Console - LLDP Data Center Bridging
6 Chassis Management Module	<ul style="list-style-type: none"> • Up to 2 CMMs remotely manage and monitor server blades, power supplies, cooling fans, and networking switches • The 2nd CMM is for redundancy and failover support 		
	<ul style="list-style-type: none"> - IPMI 2.0 compliant, with KVM over LAN / KVM over IP - Serial over LAN (SOL) - Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Direction) - LAN Alert-SNMP Trap - Event Log 	<ul style="list-style-type: none"> - Hardware Health Monitor - Remote Power Control - Management Tools - IPMIView, CLI (Command Line Interface) - Supports RMCP & RMCP+ Protocols 	
7 Power Supply	<ul style="list-style-type: none"> • Up to 8 (N+1 or N+N redundant) 2000W (200-240VAC) Titanium Level (96%); 1600W (200-240VAC)/1400W (120-140VAC)/1200W (100-120VAC) Platinum Level (95%) Digital high-efficiency power supplies with cooling fans • Peak efficiency 96% at 50% loading • Supports remote monitoring through I²C and SMBus 		
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MicroBlade

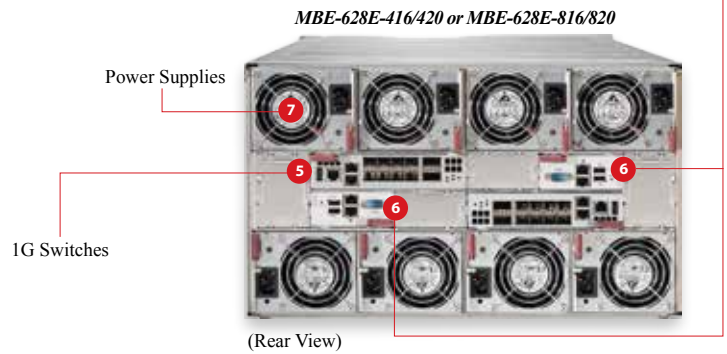
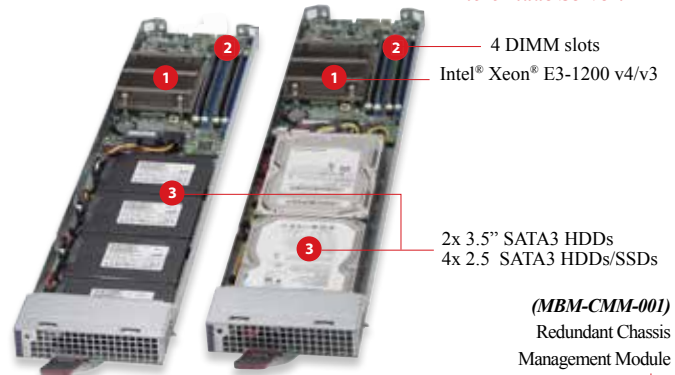


28 Xeon® UP Nodes in 6U

Intel® Xeon® Processor E3-1200 v4/v3 Product Family



**Industry's Densest (0.2U)
UP Server**



MODEL	MicroBlade (MBI-6118D-T2/T4/T2H/T4H)					
MicroBlade Server	<ul style="list-style-type: none"> 1 Intel® Xeon® E3-1200 v4/v3 product family per module 2 Up to 32GB ECC DDR3 1600/1333MHz VLP UDIMM in 4 DIMM sockets 3 2x 3.5" SATA3 HDDs/SSDs or 4x 2.5" SATA3 HDDs/SSDs 					
Outstanding Features	<ul style="list-style-type: none"> 28 Intel® Xeon® UP hot swap MicroBlade servers per 6U enclosure 2x 3.5" SATA3 HDDs/SSDs (T2) or 4x 2.5" SATA3 HDDs/SSDs (T4) T2H/T4H: Support E3-1200 v3/v4 with graphics for VDI (Virtual Desk Interface), VHD (Virtual Hosted Desktop) Redundant Ethernet Switches Redundant Chassis Management Modules (CMMs) Redundant Power Supplies 					
5 1G Switch	<ul style="list-style-type: none"> Up to 2 switches with 2x 40Gbps QSFP Uplinks or 8x10Gbps SFP+ Uplinks; and 56x 1Gbps Downlinks per switch <table border="1"> <tr> <td> <ul style="list-style-type: none"> - L2+ Switching - 64K MAC Table - 4K VLANs - Port Mirroring - Spanning Tree (RSTB/MSTP) - Access Control List (ACL) </td> <td> <ul style="list-style-type: none"> - Link Aggregation - Storm Controllers - IGMP Snooping - OpenFlow/SDN capable - CLI / SNMP / XMLRPC </td> <td> <ul style="list-style-type: none"> - Intel® Open Networking Software (ONS) - Out of Band Management port - RS232 Console - Cisco compatible - LLDP Data Center Bridging </td> </tr> </table>			<ul style="list-style-type: none"> - L2+ Switching - 64K MAC Table - 4K VLANs - Port Mirroring - Spanning Tree (RSTB/MSTP) - Access Control List (ACL) 	<ul style="list-style-type: none"> - Link Aggregation - Storm Controllers - IGMP Snooping - OpenFlow/SDN capable - CLI / SNMP / XMLRPC 	<ul style="list-style-type: none"> - Intel® Open Networking Software (ONS) - Out of Band Management port - RS232 Console - Cisco compatible - LLDP Data Center Bridging
<ul style="list-style-type: none"> - L2+ Switching - 64K MAC Table - 4K VLANs - Port Mirroring - Spanning Tree (RSTB/MSTP) - Access Control List (ACL) 	<ul style="list-style-type: none"> - Link Aggregation - Storm Controllers - IGMP Snooping - OpenFlow/SDN capable - CLI / SNMP / XMLRPC 	<ul style="list-style-type: none"> - Intel® Open Networking Software (ONS) - Out of Band Management port - RS232 Console - Cisco compatible - LLDP Data Center Bridging 				
6 Chassis Management Module	<ul style="list-style-type: none"> Up to 2 CMMs remotely manage and monitor server blades, power supplies, cooling fans, and networking switches <table border="1"> <tr> <td> <ul style="list-style-type: none"> - IPMI 2.0 compliant, with KVM over LAN / KVM over IP - Serial over LAN (SOL) - Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Direction) - LAN Alert-SNMP Trap - Event Log </td> <td> <ul style="list-style-type: none"> - Hardware Health Monitor - Remote Power Control - Management Tools - IPMIView, CLI (Command Line Interface) - Supports RMCP & RMCP+ Protocols </td> </tr> </table>			<ul style="list-style-type: none"> - IPMI 2.0 compliant, with KVM over LAN / KVM over IP - Serial over LAN (SOL) - Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Direction) - LAN Alert-SNMP Trap - Event Log 	<ul style="list-style-type: none"> - Hardware Health Monitor - Remote Power Control - Management Tools - IPMIView, CLI (Command Line Interface) - Supports RMCP & RMCP+ Protocols 	
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7 Power Supply	<ul style="list-style-type: none"> Up to 8 (N+1 or N+N redundant) 2000W (200-240VAC) Titanium Level (96%); 1600W (200-240VAC)/1400W (120-140VAC)/1200W (100-120VAC) Platinum Level (95%) Digital high-efficiency power supplies with cooling fans Peak efficiency 96% at 50% loading Supports remote monitoring through I²C and SMBus 					
Dimensions	<ul style="list-style-type: none"> 6U Rackmount 449 x 265 x 875mm (17.67"W x 10.43"H x 34.43"D) 					

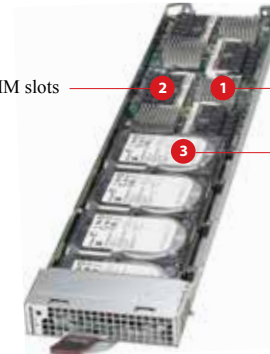
MicroBlade



112 UP Nodes in 6U

Intel® Atom™ Processor C2000 Series

**Industry's Densest (0.05U)
UP Server**



2 DIMM slots

MicroBlade Server:
(4 independent nodes per server)
Each node supports:

1 Intel® Atom™ C2750/C2550
(8 cores, 2.4GHz / 4 cores, 2.4GHz)
2x 2.5Gbps network connectivity

1x 2.5" SATA3 HDD/SSD
1x SATADOM

(MBM-CMM-001)

Chassis Management Module

MBE-628L-416 or MBE-628L-816

Power Supplies

1G Switches



(Rear View)

MODEL	MicroBlade (MBI-6418A-T7H/T5H)		
MicroBlade Module (4 independent nodes per server)	<ul style="list-style-type: none"> 1 Intel® Atom™ C2750/C2550 (8-Core, 2.4GHz/4 cores, 2.4GHz) per node 2 Up to 32GB ECC DDR3 1600/1333MHz SO-DIMM in 2 DIMM sockets per node 3 4 independent nodes (1x 2.5" SATA3 HDDs and 1 SATADOM per node) 		
Outstanding Features	<ul style="list-style-type: none"> 28 Intel® Avoton hot swap MicroBlade servers per 6U enclosure Redundant Ethernet Switches Redundant Chassis Management Modules (CMMs) Redundant Power Supplies 		
5 1G Switch	<ul style="list-style-type: none"> Up to 4 switches with 2x 40Gbps QSFP Uplinks or 8x 10Gbps SFP+ Uplinks; and 56x 2.5Gbps Downlink per switch 		
	<ul style="list-style-type: none"> - L2+ Switching - 64K MAC Table - 4K VLANs - Port Mirroring - Spanning Tree (RSTB/MSTP) 	<ul style="list-style-type: none"> - Access Control List (ACL) - Link Aggregation - Storm Controllers - IGMP Snooping - OpenFlow/SDN capable - CLI / SNMP / XMLRPC 	<ul style="list-style-type: none"> - Intel® Open Networking Software (ONS) - Out of Band Management port - RS232 Console - Cisco compatible - LLDP Data Center Bridging
6 Chassis Management Module	<ul style="list-style-type: none"> 1 CMM remotely manages and monitors server blades, power supplies, cooling fans, and networking switches - IPMI 2.0 compliant, with KVM over LAN / KVM over IP - Serial over LAN (SOL) - Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Direction) - LAN Alert-SNMP Trap - Event Log 		
7 Power Supply	<ul style="list-style-type: none"> Up to 8 (N+1 or N+N redundant) 1600W (200-240VAC), Optional 1400W (120-140VAC)/1200W (100-120VAC) Platinum Level (95%) Digital High-Efficiency power supplies with cooling fans Peak efficiency 95% at 50% loading Supports remote monitoring through I²C and SMBus 		
Dimensions	<ul style="list-style-type: none"> 6U Rackmount 449 x 265 x 875mm (17.67"W x 10.43"H x 34.43"D) 		

MicroBlade

MicroBlade Software Defined Switches

2.5/1GbE Switch

MBM-GEM-001/003i/003S



10GbE Switch

MBM-XEM-001



(MBM-CMM-001)
Redundant Chassis
Management Module

MBE-628L-416 or MBE-628L-816



(MicroBlade Rear View)

MBM-GEM-001/003i/003S Switch:

- 2x 40Gbps QSFP uplinks
- 8x 10Gbps SFP+ uplinks
- 56x 2.5Gbps downlinks per switch

MBE-628E-416 or MBE-628E-816

Power Supplies



(MicroBlade Rear View)

MBM-XEM-001 Switch:

- 4x 40Gbps QSFP Uplinks
- 28x 10Gbps Downlinks per switch

MODEL	MicroBlade SDN Switch	
	MBM-GEM-001/003i/003S	MBM-XEM-001
General Specifications	<ul style="list-style-type: none"> • Intel® FM5224 GbE Low Latency Switch • 1Gbps RJ45, 2x 40Gbps QSFP; or 8x 10Gbps SFP+ Uplinks • 56x 2.5Gbps or 1Gbps Downlinks • 1 Console port • 1 USB port 	<ul style="list-style-type: none"> • Intel® FM6348 10GbE Low Latency Switch • 4x 40Gbps QSFP Uplinks • 28x 10Gbps Downlinks • 1 Console port • 1 USB port
Switching Capacity	• 442Gbps	• 880Gbps
Physical Layer Features	<ul style="list-style-type: none"> • 40Gbps optical/copper • 10Gbps optical Ethernet SFP+/copper • 1Gbps RJ45 Ethernet • Jumbo frames up to 9KB 	<ul style="list-style-type: none"> • 40Gbps optical/copper • Jumbo frames up to 9KB
Layer 2 Features	<ul style="list-style-type: none"> • 4K VLANs • Spanning Tree (802.1D) • Rapid Spanning Tree (802.1w) 	<ul style="list-style-type: none"> • Multiple Spanning Trees (802.1s) • IEEE 802.1Q VLANs/ port-based VLANs • IEEE 802.3ac VLAN tagging
Advanced Layer 2 Features	<ul style="list-style-type: none"> • Storm control • Flow control • Port mirroring 	<ul style="list-style-type: none"> • Static MAC filtering • UDLD • Uplink Failure Detection UFD)
Data Center Features	• L2 Data Center Bridging	• CEE v1.01 DCB for PFV/ETS
SDN	• Open Flow 1.X	
Security Features	<ul style="list-style-type: none"> • Switch access password protection • RADIUS and TACACS+ Authentication 	<ul style="list-style-type: none"> • Access Control Lists (to 4K) • SSH, SSL Encryption
System Management	<ul style="list-style-type: none"> • XML-RPC • Industry Standard CLI • Command completion • Content-sensitive "Help" 	<ul style="list-style-type: none"> • SNMP v1/v2/v3 • SSH • TFTP Client • Syslog
Multicast	• IGMP Snooping	<ul style="list-style-type: none"> • DHCP (Client) • Web-based management interface – HTTP/HTTPS • NTP
Weight	• 3.2 lbs/1.5kg	• 3.1 lbs/1.4kg
Dimensions (WxDxH)	• 267 x 159 x 36mm (10.5"x6.25"x1.4")	• 267 x 159 x 36mm (10.5"x6.25"x1.4")
Value Added Feature	<ul style="list-style-type: none"> • Layer 2 functions (MBM-GEM-001) • Layer 3 functions (MBM-GEM-003I) • Layer 3 and Advanced Features (MBM-GEM-003S) 	• Layer 2 function (MBM-XEM-001)

MicroCloud

24/12/8 Modular UP Server Nodes in 3U · High-Density, High-Performance
 · High-Efficiency, and Cost-Effective · Easy-to-Service
 · Space Saving, Optimized for Cloud Computing and Web Hosting

New!



SYS-5039MS-H12TRF

12 UP Nodes

12 set of 2x 3.5" SATA3 HDD; or 4x 2.5" SATA3; or 2x 2.5" **NVMe** + 2x 2.5" SATA3; or 2x 2.5" **NVMe** + 1x 3.5" SATA3

SYS-5039ML-H8TRF

8 UP Nodes

8 set of 2x 3.5" SATA3 HDD; or 2x 2.5" SATA3 w/ option kits

SYS-5038MA-H24TRF

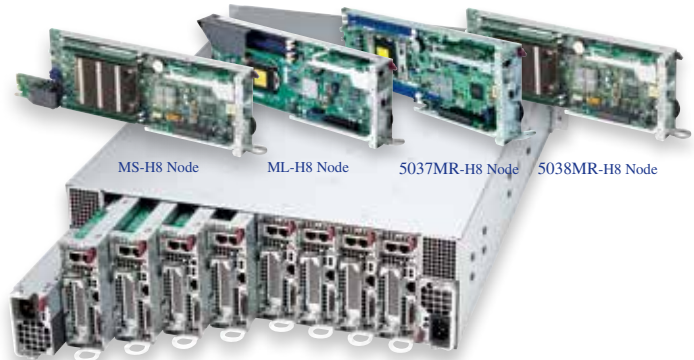
24 UP Nodes

24 set of 2x 2.5" SATA3 (6Gbps) HDDs



12 Hot-pluggable Nodes in 3U (Front I/O)

SYS-5039MS-H12TRF (Skylake)
 SYS-5038ML-H12TRF (Haswell)

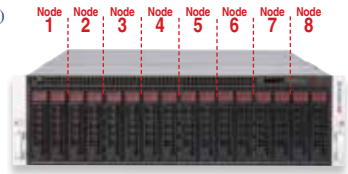


8 Hot-pluggable Nodes in 3U (Rear I/O)

SYS-5039MS-H8TRF/OEM (Skylake)
 SYS-5038ML-H8TRF/OEM (Haswell)
 SYS-5038MR-H8TRF (Haswell)
 SYS-5037MR-H8TRF (Sandy Bridge)



Up to 24x 3.5" or 48x 2.5" SATA HDDs Total;
 4x 9cm heavy duty fans with optimal cooling zone



16x 3.5" hot-swap SATA3/SAS drive bays
 (2 HDDs per node)

The Supermicro MicroCloud modular server system provides the high density, performance, efficiency and cost effectiveness required for today's demanding server deployments. The 24/12/8 modular server nodes are conveniently integrated into a compact 3U chassis that is less than 30 inches deep, saving over 76% of rack space when compared to traditional 1U servers. The cable-less, hot-pluggable server nodes operate independently. Each node provides up to **128GB** DDR3-1866/1600MHz of ECC Unbuffered DIMM/ECC or 128GB RDIMM / 256GB LRDIMM DDR4 memory, one PCI-E 3.0 x8 expansion slot for low-profile add-on card, and 2x 2.5" **NVMe**, 2x 3.5", or 4x 2.5" HDDs with optional kit. The MicroCloud system utilizes redundant **Titanium Level** (96%) high-efficiency power supplies and sophisticated cooling zone controls for a Green energy profile. Each node is powered by an Intel® Xeon® processor from either the newest **E3-1200 v5** family (up to 80W) or E5-2600 v4/v3 product family (up to 135W).

New! MicroCloud
12 UP Nodes

New! MicroCloud
8 UP Nodes



MODEL	MicroCloud SYS-5039MS-H12TRF	MicroCloud SYS-5039MS-H8TRF
Processor Support	12 set of Intel® E3-1200 v5 LGA1151 Socket H4	8 set of Intel® E3-1200 v5 LGA1151 Socket H4
Key Applications	<ul style="list-style-type: none"> • Cloud Computing • Web Cache • Web Hosting, VM • Social Networking • Corporate- WINS, DNS, Print, Login 	<ul style="list-style-type: none"> • Cloud Computing • Web Cache • Web Hosting, VM • Social Networking
Outstanding Features	<ul style="list-style-type: none"> • Up to 12x hot-pluggable node in 3U chassis • High density, enterprise performance, cost effective • Redundant 2000W Titanium Level high-efficiency power supplies • UID LED • Single 1Gbe dedicate management switch port • Flexible HDD selection, 2x 3.5" SATA3 or 4x 2.5" SATA3 or 2x 2.5" NVMe plus 2x 2.5" SATA3 or 2x 2.5" NVMe plus 1x 3.5" SATA 3 	<ul style="list-style-type: none"> • Up to 8x hot-pluggable node in 3U chassis • 1 PCI-E 3.0 (x8) low-profile • High density, enterprise performance, cost effective • Redundant 1600W Titanium Level high-efficiency power supplies • Hot-swappable SAS/SATA3 HDDs • UID LED
Serverboard	SUPER® X11SSE-F	SUPER® X11SSD-F
Chipset	Intel® C236 chipset	Intel® C236 chipset
System Memory (Max.)*	12 set of up to 64GB Unbuffered ECC Very Low Profile DDR4 2133MHz in 4 DIMM sockets	8 set of up to 64GB Unbuffered ECC Low Profile DDR4 2133MHz in 4 DIMM sockets
Expansion Slots	12 set of Micro-LP slots (MicroLP upgradable)	8 set of PCI-E 3.0 x8 low profile slot and 8 set of Micro-LP slots (MicroLP upgradable)
Onboard Storage Controller	12 set of Intel® C236 controller	8 set of Intel® C236 controller
Connectivity	12 set of Dual LAN Intel® i350 Gbe LAN controller	8 set of Dual LAN Intel® i350 Gbe LAN controller
VGA/Audio	12 set of AST2400 VGA	8 set of AST2400 VGA
Management	Single dedicate management port, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	8 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	12 set of 2x 3.5" SATA3 HDD; or 4x 2.5" SATA3; or 2x 2.5" NVMe + 2x 2.5" SATA3; or 2x 2.5" NVMe + 1x 3.5" SATA3	8 set of 2x 3.5" SATA3 HDD; or 2x 2.5" SATA3 w/ option kits
Power Supply	2000W Redundant Titanium Level high-efficiency power supplies	1600W Redundant Titanium Level high-efficiency power supplies
Cooling System	4x 9cm heavy duty fans with optimal cooling zone	4x 8cm hot-swap cooling fans with fan speed control
Form Factor	3U Rackmount 444.5 x 132.5 x 749.3mm (17.5" x 5.21" x 29.5")	3U Rackmount 438.4 x 132.5 x 589mm (17.26" x 5.21" x 23.2")

* Please check with your Supermicro sales representative for compatibility



**MicroCloud
8 UP Nodes**



**MicroCloud
24 Avoton Nodes**



**MicroCloud
24 UP Nodes**



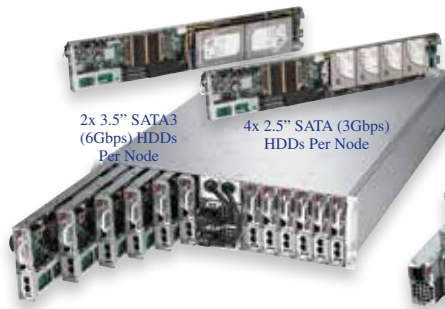
MODEL	MicroCloud SYS-5038MR-H8TRF	MicroCloud SYS-5038MA-H24TRF	MicroCloud SYS-5038ML-H24TRF
Processor Support	8 set of Intel® Grantley E5-2600/1600 v4/v3 Broadwell/Haswell-EP CPUs	24 set of single Intel® Atom processor C2750 (20W, 8-Core)	24 set of single Intel® 4th Generation Core™ i3 series Intel® Celeron®, Intel® Pentium®, Intel® Xeon® processor E3-1200 v3 series; ; Socket H3 (LGA 1150) up to 80W CPU
Key Applications	<ul style="list-style-type: none"> • CDN • Cloud Computing • Social Networking • Video Streaming • Web Cache 	<ul style="list-style-type: none"> • CDN • Hosting & Application delivery • Web Cache • Web Server • Memcache 	<ul style="list-style-type: none"> • Cloud Computing • Web Cache, CDN, Video Streaming • Web/Collocating Service • Social networking/download
Outstanding Features	<ul style="list-style-type: none"> • 8x hot-plug Nodes in 3U • 1620W Redundant Platinum Level high-efficiency power supplies • 2x 3.5" or 2x 2.5" SATA 3.0 (6Gbps) HDDs per node • IPMI 2.0 + KVM with dedicated LAN • Multi-node UP server • High-density, Enterprise Performance, Cost-effective • UID LED 	<ul style="list-style-type: none"> • 24x Avoton Nodes in 12 hot-plug sleds, 2 nodes per sled • 1620W Redundant Platinum Level high-Efficiency power supplies • 2x 2.5" SATA 3.0 (6Gbps) HDDs per node • 2 Gigabit Ethernet Ports per Node • 32GB of DDR3 Unb. VLP ECC Memory per Node • Best Performance per Rack • High-density, Enterprise Class Performance, Cost-effective 	<ul style="list-style-type: none"> • 24x UP Nodes in 12 hot-plug sleds, 2 nodes per sled • 2000W Redundant Platinum Level Digital high-efficiency power supplies • 2x 2.5" SATA3 (6Gbps) HDDs or 4x 2.5" slim SDD w/ optional kit per sled • High-density, Enterprise Performance, Cost-effective • IPMI 2.0 + KVM with dedicated LAN • Multi-node UP server • UID LED
Serverboard	SUPERMICR® X10SRD-F	SUPERMICR® A1SA2-2750F	SUPERMICR® X10SLE-DF
Chipset	Intel® C612 chipset	Avoton SOC	Intel® C224 chipset
System Memory (Max.)*	8 set of up to 256GB DDR4 ECC LR/R DIMMs 2133/1600/1333MHz in 4 DIMM Slots	24 set of up to 32GB ECC UDIMM, VLP DDR3-1600MHz in 4 DIMM Slots	24 set of up to 32GB ECC UDIMM, VLP DDR3-1600 MHz in 4 DIMM slots
Expansion Slots	8 set of 1 PCI-E 3.0 x8 (low profile)	N/A	N/A
Onboard Storage Controller	8 set of Intel® C612 Chipset for 2 SATA3 via BP; or 2 SATA/SAS for AOC	24 set of Intel® Avoton for SATA3 (6Gbps) ports; RAID 0,1	24 set of Intel® C224 controller for 4 SATA3 (6Gbps) ports; RAID 0,1
Connectivity	8 set of Dual LAN with Intel® i350 GbE controller	24 set of Dual port GbE	24 set of Dual LAN Intel® i350 GbE LAN controller
VGA/Audio	8 set of AST2400 VGA	24 set of AST2400 VGA	24 set of AST2400 VGA
Management	8 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	12 set of IPMI 2.0 + KVM with dedicated LAN (1 set shared between 2 nodes)	12 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8 set of 2x 3.5 hot-swap SATA3/SAS (6Gbps) drive bays	24 set of 2x 2.5" SATA3 fixed HDDs per node	24 set of 1x 2.5" SATA3 fixed HDDs; or 2x 2.5" slim SSD w/ optional kit
Power Supply	1620W Redundant Platinum Level High-Efficiency power supplies	1620W Redundant Platinum Level High-Efficiency power supplies	2000W Redundant Platinum Level Digital high-efficiency power supplies
Cooling System	4x 8cm hot-swap cooling fans with fan speed control	4x 9cm Heavy duty fans with optimal cooling zone	4x 9cm Heavy duty fans with optimal cooling zone
Form Factor	3U Rackmount 438.4 x 132.5 x 589mm (17.26" x 5.21" x 23.2")	3U Rackmount 444.5 x 132.5 x 749.3mm (17.5" x 5.21" x 29.5")	3U Rackmount 444.5 x 132.5 x 791.2mm (17.5" x 5.21" x 31.15")

* Please check with your Supermicro sales representative for compatibility

**MicroCloud
12 Hot-plug UP Nodes**

**MicroCloud
8 Hot-plug UP Nodes**

**MicroCloud
8 Hot-plug UP Nodes**



2x 3.5" SATA3 (6Gbps) HDDs Per Node
4x 2.5" SATA (3Gbps) HDDs Per Node



2x 3.5" SATA3 (6Gbps) / SAS HDDs w/ selected HBA or RAID card Per Node



2x 3.5" SATA3 (6Gbps) HDDs Per Node

MODEL	MicroCloud SYS-5038ML-H12TRF	MicroCloud SYS-5038ML-H8TRF SYS-5038ML-H8TRF-OEM	MicroCloud SYS-5037MR-H8TRF
Processor Support	12 set of single Intel® 4th Generation Core™ i3 series Intel® Celeron® Intel® Pentium®, Intel® Xeon® processor E3-1200 v4/v3 series; ; Socket H3 (LGA 1150) up to 80W CPU	8 set of single Intel® 4th Generation Core™ i3 series Intel® Celeron® Intel® Pentium® Intel® Xeon® processor E3-1200 v4/v3 series; Socket H3 (LGA 1150), up to 84W CPU	8 set of single Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, up to 130W CPU
Key Applications	<ul style="list-style-type: none"> Cloud Computing Web Cache, CDN, Video Streaming Web/Collocating Service Social networking/download 	<ul style="list-style-type: none"> Cloud Computing Web Cache, CDN, Video Streaming Web/Collocating Service Social networking/download 	<ul style="list-style-type: none"> Cloud Computing Web Cache, CDN, Video Streaming Web/Collocating Service Social networking/download
Outstanding Features	<ul style="list-style-type: none"> 12x Hot-plug UP Nodes in 3U 1620W Redundant Platinum Level high-efficiency power supplies 4x 2.5" SATA / 2x 3.5 HDDs per node High-density, Enterprise Performance, Cost-effective IPMI 2.0 + KVM with dedicated LAN Multi-node UP server UID LED 	<ul style="list-style-type: none"> 8x Hot-plug UP Nodes in 3U 1 PCI-E x8 slot 1620W Redundant Platinum Level high-efficiency power supplies High-density, Enterprise Performance, Cost-effective IPMI 2.0 + KVM with dedicated LAN Multi-node UP server Hot-swappable SAS/SATA3 (6Gbps) HDDs UID LED 	<ul style="list-style-type: none"> 8x Hot-plug UP Nodes in 3U 1620W Redundant Platinum Level power supplies High-density, High-performance, Cost-effective Multi-node UP server 130W CPU support Hot-swappable SATA HDD Expansion slot support Cable-less design Micro-LP card upgradable IPMI 2.0 with KVM over Dedicated LAN for each node
Serverboard	SUPERMICRO® X10SLE-F	SUPERMICRO® X10SLD-F SUPERMICRO® X10SLE-HF (-OEM)	SUPERMICRO® X9SRD-F
Chipset	Intel® C224 chipset	Intel® C224 chipset Intel® C226 chipset (-OEM)	Intel® C602J chipset
System Memory (Max.)*	12 set of up to 32GB ECC UDIMM, VLP DDR3-1600 MHz in 4 DIMM slots	8 set of up to 32GB ECC UDIMM, DDR3-1600 MHz in 4 DIMM slots	8 set of up to 128GB ECC Registered DDR3-1600/1333 MHz in 4 DIMM slots
Expansion Slots	12 set of Micro-LP slots (Micro-LP upgradable)	8 set of PCI-E 3.0 x8 low-profile slot and 8 set of Micro-LP slots (Micro-LP upgradable)	8 set of 1 PCI-E 3.0 x8 (low profile) and 8 set of Micro-LP slots (Micro-LP upgradable)
Onboard Storage Controller	12 set of Intel® C224 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	8 set of Intel® C224 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; Selected low-profile RAID or HBA RAID card to support SAS HDD	8 set of Intel® C602J for 2 SATA3 (6Gbps); RAID 0, 1
Connectivity	12 set of Dual LAN Intel® i350 GbE LAN controller	8 set of Dual LAN Intel® i350 GbE LAN controller	8 set of Dual LAN Intel® i350 GbE LAN controller
VGA/Audio	12 set of AST2400 VGA	8 set of AST2400 VGA	8 set of Matrox® G200eW graphics
Management	12 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	8 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	8 set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog, SPM
Drive Bays	12 set of 2x 3.5" SATA3 fixed HDDs or 4x 2.5" fixed SATA3 HDDs w/ optional kit	8 set of 2x 3.5" hot-swap SAS/SATA3 (6Gbps) HDDs	8 set of 2 x 3.5" hot-swap SATA3 (6Gbps) drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies	1620W Redundant Platinum Level high-efficiency power supplies	1620W Redundant Platinum Level high-efficiency power supplies
Cooling System	4x 9cm Heavy duty fans with optimal cooling zone	4x 8cm Heavy duty fans with optimal cooling zone	4x 8cm Heavy duty fans with optimal cooling zone
Form Factor	3U Rackmount 444.5 x 132.5 x 749.3mm (17.5" x 5.21" x 29.5")	3U Rackmount 438.4 x 132.5 x 589mm (17.26" x 5.21" x 23.2")	3U Rackmount 438.4 x 132.5 x 589mm (17.26" x 5.21" x 23.2")

* Please check with your Supermicro sales representative for compatibility



Future Intel® Xeon® Processor E5-2600 v4 Product Family (Broadwell) Supported

SuperWorkstation

Server Grade Quality for Knowledge Workers

Supports up to: • 36 Cores per Server and 160W TDP • 1TB DDR4-2133MHz in 16 DIMMs

• 4 GPU/Xeon Phi™ with PCI-E 3.0 x16 • 7.1 HD Audio / SLI / Thunderbolt

High Performance Super Workstation,
Versatile Features & I/O Access



SYS-5039A-i

Compact DP Workstation
5 PCI-E 3.0, Up to 2x Double-width GPUs +
1x Single-width Graphics Card, 7.1 HD Audio,
Thunderbolt Support



SYS-7038A-i

Powerful Multitasking UP Workstation
4 PCI-E 3.0, SATA 3.0 (6Gbps) support,
7.1 HD Audio



SYS-5038A-i

DP Workstation
5 PCI-E 3.0, Up to 2x Double-width GPUs +
1x Single-width Graphics Card, 7.1 HD Audio, Thunderbolt Support



SYS-7048A-T

4U GPU Workstation
Redundant 2000W Titanium Level power, Xeon Phi™/Tesla® Ready!
7x PCI-E slots, 7.1 HD Audio Header, Thunderbolt Support



SYS-7048GR-TR

Server Grade Quality for Knowledge Workers

Supermicro's server grade SuperWorkstation systems support up to: 1TB of DDR4-2133MHz Registered ECC memory in 16 DIMM slots, 3 PCI-E 3.0 x16 slots for GPU/Xeon Phi™ cards, and dual Gigabit Ethernet LAN ports. Other important workstation features include 7.1 HD audio, 11 USB ports (6 USB 3.0), SLI, Thunderbolt AOC, and 160W CPU support with dual Intel® Xeon® processor E5-2600 v3 product family up to 36 cores per system.

Supermicro SuperWorkstations are optimized for customer applications requiring high I/O throughput, storage capacity, and powerful graphics capabilities. In addition, with Supermicro's signature server grade quality and support, customers will benefit from more processing capacity in less space with better efficiency, with less noise. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Supermicro SuperWorkstations are optimized for customer applications requiring high I/O throughput, storage capacity, and powerful graphics capabilities including Science & Engineering, CAD/CAE/CAM, Digital Content Creation, Oil & Gas, and Digital Imaging. The rich multimedia features are excellent for Digital Entertainment.



New!
High Performance Super Workstation,
Versatile Features & I/O Access

Thunderbolt Support Supports 2 GPU/Xeon Phi™

Thunderbolt Support Supports 2 GPU/Xeon Phi™



MODEL	SuperServer® SYS-5039A-iL	SuperWorkstation SYS-7038A-i	SuperWorkstation SYS-7048A-T
Processor Support	Intel® 6th Generation Core™ i7/i5/i3 series; Intel® Xeon® processor E3-1200 V5 series	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s (up to 160W)	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6GT/s (up to 160W)
Key Applications	<ul style="list-style-type: none"> CAD/CAM/CAE Digital Imaging Entry-Level Workstation Medical Applications Oil & Gas Simulation & Automation 	2D/3D and CAD Applications 3D Rendering CAD/CAM/CAE Digital Content Creation Digital Imaging	<ul style="list-style-type: none"> 2D/3D and CAD Applications 3D Rendering CAD/CAM/CAE Digital Content Creation Digital Imaging
Outstanding Features	<ul style="list-style-type: none"> Cost effective UP platform SATA 3.0 (6Gbps) support 	Thunderbolt 2.0 AOC Support Support 2 double width GPUs + 1 single width graphic card 6x USB 3.0 ports Up to 160W CPU support	<ul style="list-style-type: none"> Tower or 4U Rackmount System Thunderbolt 2.0 AOC Support Support 2 double-width + 1 single-width GPUs/ Xeon Phi™ Coprocessors 8x 3.5" hot-swap drive bays Up to 160W CPU support
Serverboard	SUPER® X11SAE	SUPER® X10DAi	SUPER® X10DAi
Chipset	Intel® C236 chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 64GB Unbuffered ECC/non-ECC, DDR4-2133MHz in 4 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 (x16/NA or x8/x8); 2 PCI-E 3.0 x1 (in x4); 2 PCI-32 Slots	3 PCI-E 3.0 x16 (2 double-width, 1 single-width), 2 PCI-E 3.0 x8 (1 in x16 slot), 1 PCI-E 3.0 x4 (1 in x16 slot), Support Thunderbolt 2.0 AOC	3 PCI-E 3.0 x16 (2 double-width, 1 single-width), 2 PCI-E 3.0 x8 (1 in x16 slot), 1 PCI-E 3.0 x4 (1 in x16 slot), Support Thunderbolt 2.0 AOC
Onboard Storage Controller	Intel® C236 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10+ 1 PCI-E M.2(PCI-E x4, 2242/2260/2280)(No Raid Support)	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	Single LAN with Intel® Ethernet Controller I210-AT; Single LAN with Intel® PHY I219LM LAN controller	Dual LAN with Intel® i210 Gigabit Ethernet Controller	Dual LAN with Intel® i210 Gigabit Ethernet Controller
VGA/Audio	1 DVI - D, 1 DP (DisplayPort), 1 HDMI ALC 888S HD Audio	7.1 HD Audio	7.1 HD Audio
Management	AMT; SuperDoctor® 5; vPro; Watchdog;	NMI, SuperDoctor® 5, Watchdog	NMI, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap HDD bays for server chassis	4x 3.5" drive bays (internal)	8x 3.5" hot-swap SATA drive bay
Peripheral Bays	2x standard 5.25" drive bays, 1x 3.5" internal fixed device bay	2x standard 5.25" drive bay 1x 3.5" device	3x 5.25 drive bays
Power Supply	500W high-efficiency power supply	900W Gold Level Multi-Output Power Supply	1200W Platinum Level Multi-Output Power Supply
Cooling System	1x 12cm (1859 RPM)	2x 12cm (1859 RPM)	2x 2800 RPM fan; 1x 2700 RPM fan
Form Factor	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Mid-Tower 424 x 193 x 525.3mm (16.7" x 7.6" x 20.68")	Tower/4U Rackmount 452 x 178 x 647mm (17.8" x 7" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Thunderbolt Support
Supports 4 GPU/Xeon Phi™



4U GPU (Active Cooling)
Xeon Phi™/Tesla® Kepler Ready!



4U GPU (Passive Cooling)
Xeon Phi™/Tesla® Kepler Ready!



MODEL	SuperServer® SYS-7048GR-TR	SuperServer® SYS-7047GR-TRF	SuperServer® SYS-7047GR-TPRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> HPC cluster computer nodes Simulation and Creation Design Imaging and Computer Vision 	<ul style="list-style-type: none"> GPU Server Mission-critical application Enterprise server Large database, e-business, on-line transaction processing Oil & gas applications Medical applications 	<ul style="list-style-type: none"> GPU Server Mission-critical application Enterprise server Large database, e-business, on-line transaction processing Oil & gas applications Medical applications
Outstanding Features	<ul style="list-style-type: none"> 16 DIMM slots 2000W Redundant Titanium Level high-efficiency power supplies 16 DIMM slots 8 Hot-swap 3.5" SATA/SAS drive bays IPMI 2.0 + KVM with dedicated LAN 7.1 HD Audio Header 4 x PCI-E 3.0 x16 slots, 2 x PCI-E 3.0 x8 (1 in x16), 1 x PCI-E 2.0 x4 (in x8) 	<ul style="list-style-type: none"> Up to 4 GPU Xeon Phi™ cards 1620W Redundant Platinum Level high-efficiency power supplies 	<ul style="list-style-type: none"> Up to 4 GPU Xeon Phi™ cards 1620W Redundant Platinum Level high-efficiency power supplies
Serverboard	SUPER® X10DRG-Q	SUPER® X9DRG-QF	SUPER® X9DRG-QF
Chipset	Intel® C612 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 (double-width), 2 PCI-E 3.0 x8 (1 in x16 slot), 1 PCI-E 2.0 x4 (in x8), Support Thunderbolt 2.0 AOC	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)
Onboard Storage Controller	Intel® C612 AHCI controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10;	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controllers	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x Hot-swap 3.5" SAS/SATA Drives	8x 3.5" hot-swap SATA drive bays	8x 3.5" hot-swap SATA drive bays
Peripheral Bays	3x 5.25" drive bays in storage module - rotates 90° for Rackmount, 1x 3.5" fixed drive bay	3x 5.25" peripheral drive bays 1x 3.5" fixed drive bays	3x 5.25" peripheral drive bays 1x 3.5" fixed drive bays
Power Supply	2000W Redundant Titanium Level high-efficiency power supplies with I²C & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	4x 92x38mm 4-pin PWM Middle Cooling Fans, 2x 80x38mm 4-pin PWM Rear Exhaust Fans	4x 9cm hot-swap cooling fans with optimal fan speed control 2x 8cm hot-swap exhaust fan	4x 9cm hot-swap cooling fans with optimal fan speed control 4x 8cm hot-swap exhaust fan
Form Factor	4U Tower 437 x 178 x 673mm (17.2" x 7" x 26.5")	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")

* Please check with your Supermicro sales representative for compatibility



DP Workstation



DP Workstation



MODEL	SuperWorkstation SYS-7047A-73	SuperWorkstation SYS-7047A-T
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • CAD/CAM/CAE • Video Editing • Digital Content Creation • Financial Analysis & Research 	<ul style="list-style-type: none"> • CAD/CAM/CAE • Video Editing • Digital Content Creation • Financial Analysis & Research
Outstanding Features	<ul style="list-style-type: none"> • SAS 2.0 support • 4 USB 3.0 ports • 1200W Platinum Level high-efficiency power supply • Whisper-Quiet 27dB 	<ul style="list-style-type: none"> • 4 USB 3.0 ports • 1200W Platinum Level high-efficiency power supply • Whisper-Quiet 27dB
Serverboard	SUPER® X9DA7	SUPER® X9DAi
Chipset	Intel® C602 chipset with QPI up to 8GT/s	Intel® C602 chipset with QPI up to 8GT/s
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 2 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8)	3 PCI-E 3.0 x16 2 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8)
Onboard Storage Controller	Avago® 2308 controller 8 SAS ports; 2 SATA3 and 2 SATA2 with RAID 0, 1, 5, 10 from AHCI; 4 SATA2 RAID 0, 1, 5, 10 from SCU	2 SATA3 and 4 SATA2 with RAID 0, 1, 5, 10 from AHCI + 4 SATA2 RAID 0, 1, 5, 10 from SCU
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller; 2 IEEE 1394a headers	Intel® i350 Dual Port Gigabit Ethernet LAN; 2 IEEE 1394a headers
VGA/Audio	7.1 HD audio	7.1 HD audio
Management	SuperDoctor® 5, Watchdog	SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SATA drive bays
Peripheral Bays	90-degree rotatable module: 3x 5.25" drive bays	90-degree rotatable module: 3x 5.25" drive bays
Power Supply	1200W Platinum Level high-efficiency power supply with I ² C	1200W Platinum Level high-efficiency power supply with I ² C
Cooling System	2x 8cm super quiet PWM fans and 1 x 9cm super quiet exhaust fans with optimal fan speed control	2x 8cm super quiet PWM fans and 1 x 9cm super quiet exhaust fans with optimal fan speed control
Form Factor	4U Rackmount/Tower 452 x 178 x 648mm (17.8" x 7" x 25.5")	4U Rackmount/Tower 452 x 178 x 648mm (17.8" x 7" x 25.5")

* Please check with your Supermicro sales representative for compatibility



**Enterprise-Class
Hyper-Speed**



**Enterprise-Class
Hyper-Speed**



MODEL	SuperServer® SYS-7047AX-72RF	SuperServer® SYS-7047AX-TRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> Financial Analysis Business Critical Applications Enterprise Server Oil & Gas Enterprise class Hyper-Speed 	<ul style="list-style-type: none"> Financial Analysis Business Critical Applications Enterprise Server Oil & Gas Enterprise class Hyper-Speed
Outstanding Features	<ul style="list-style-type: none"> SAS RAID 0,1,10,5,50,60 8x 3.5" SATA drives Dual port IEEE 1394a headers 1280W Platinum Level Digital redundant high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> 8x 3.5" SATA drives Dual port IEEE 1394a headers 1280W Platinum Level Digital redundant high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DAX-7F	SUPER® X9DAX-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 UIO PCI-E 3.0 x8	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 UIO PCI-E 3.0 x8
Onboard Storage Controller	Avago® 2208 controller for 8 SAS2 (6Gbps) ports; HW RAID 0,1,5,10,50,60 Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Intel® i350 Dual Port Gigabit Ethernet LAN	Intel® i350 Dual Port Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics 7.1 HD audio	Matrox® G200eW graphics 7.1 HD audio
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SATA drive bays
Peripheral Bays	90-degree rotatable module: 3x 5.25" drive bays	90-degree rotatable module: 3x 5.25" drive bays
Power Supply	1280W Platinum Level Digital high-efficiency redundant power supplies with I ² C & PMBus	1280W Platinum Level Digital high-efficiency redundant power supplies with I ² C & PMBus
Cooling System	4x 9cm hot-swap cooling fans and 2x 8cm exhaust fans with optimal fan speed	4x 9cm hot-swap cooling fans and 2x 8cm exhaust fans with optimal fan speed
Form Factor	4U Rackmount/Tower 437 x 178 x 673mm (17.2" x 7" x 26.5")	4U Rackmount/Tower 437 x 178 x 673mm (17.2" x 7" x 26.5")

* Please check with your Supermicro sales representative for compatibility

New!
**High Performance Super
 Workstation, Versatile Features**

**High Performance Super
 Workstation, Versatile Features &
 I/O Access**

**Gaming System,
 Extreme Performance,
 Triple Display Support**



MODEL	SuperWorkstation SYS-5038A-i	SuperWorkstation SYS-5038A-iL	SuperWorkstation SYS-5038AD-T
Processor Support	Single Intel® Xeon® processor E5-2600/1600 v3 family or Intel® 4th gen. Core™ i7 series	Single Intel® 4th Generation Core™ i3/i5/i7 series, Intel® Xeon® processor E3-1200 v3 series	Single Intel® 4th Generation Core™ i3/i5/i7 series
Key Applications	<ul style="list-style-type: none"> Powerful Multitasking Workstation 2D/3D and CAD Applications High Performance Computer Cluster (HPCC) 	<ul style="list-style-type: none"> CAD/CAM/CAE Digital Imaging Entry-Level Workstation High-performance computing Medical Applications Oil & Gas Simulation & Automation 	<ul style="list-style-type: none"> Gaming HPC Media/Streaming Multimedia Appliance
Outstanding Features	<ul style="list-style-type: none"> Whisper-quiet operation (21dB) SATA 3.0 (6Gbps) support 900W Gold Level Multi-Output power supply 	<ul style="list-style-type: none"> Cost effective UP platform SATA 3.0 (6Gbps) support 	<ul style="list-style-type: none"> SATA 3.0 (6Gbps) support 900W Gold Level Multi-Output power supply
Serverboard	SUPER● X10SRA	SUPER● X10SAE	SUPER● C7Z87-OCE
Chipset	Intel® C612 chipset	Intel® C226 chipset	Intel® Z87 chipset
System Memory (Max.)*	Up to 512GB ECC DDR4 2133MHz LRDIMM or 64GB ECC/non-ECC UDIMM (available with Core i7 only); 8 DIMM slots	Up to 32GB ECC/Non-ECC UDIMM in 4 slots; DDR3 up to 1600 MHz	Up to 32GB Unbuffered non-ECC, DDR3-1600 MHz in 4 DIMM slots (support overlocking up to 2133MHz (OC**) /2200MHz (OC**) /2400MHz (OC**) /2600MHz (OC**) /2800MHz (OC**) /3000MHz (OC**))
Expansion Slots	4x PCI-E 3.0 x16 slots (runs at 16/16/NA/8 or 16/8/8/8) 2x PCI-E 2.0 x1 (in x4) slots	2 PCI-E 3.0 x16 (x16/NA or x8/x8); 3 PCI-E 2.0 x1 in x4 slots 2 PCI-E 32-bit	3 PCI-E 3.0 x16 slots (16/NA/NA or 8/8/NA or 8/4/4); 3 PCI-E 2.0 x1 (in x4 slot)
Onboard Storage Controller	SATA3 (6Gbps) via C612 controller (RAID 0, 1, 5, 10 support)	Intel® C226 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10; ASM1061 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® Z87 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10; ASM1061 controller for 2 SATA3 (6Gbps) ports
Connectivity	Dual Gigabit LAN with Intel® Ethernet Controller I210-AT	Single LAN with Intel® Ethernet Controller I210; Single LAN with Intel® Ethernet Controller I217	Single LAN with Intel® Ethernet Controller i210AT; Single LAN with Intel® Ethernet Controller i217V
VGA/Audio	ALC 1150 HD Audio	1 DVI, 1 VGA, 1 HDMI, 1 Display Port; Triple Display Capable, ALC 1150HD	1 DVI, 1VGA, 1 HDMI and 1 Thunderbolt port; ALC 1150HD
Management	SuperDoctor III; SuperDoctor® 5; Watchdog	AMT; SuperDoctor III; vPro; Watchdog	SuperDoctor III; Watchdog
Drive Bays	4x 3.5" internal fixed drive bays; Optional 4x 2.5" internal fixed drive bays	4x 3.5" internal fixed drive bays; Optional 4x 2.5" internal fixed drive bays	3x 3.5" internal hot-swap drive bays, 2x 3.5" front hot-swap drive bays & optional front 4x 2.5" hot-swap drive bay cage
Peripheral Bays	2x standard 5.25" optical device bays; 1x standard 3.5" device bay	2x standard 5.25" optical device bays; 1x standard 3.5" device bay	2x standard 5.25" drive bays; 1x standard 3.5" drive bay
Power Supply	900W Gold Level high-efficiency power supply	500W high-efficiency power supply	900W Gold Level Multi-Output power supply
Cooling System	1x 12cm (1859 RPM) rear exhaust fan	1x 12cm (1859 RPM) rear exhaust fan	1x 12cm rear exhaust fan, 1x 12cm front cooling fan; Support liquid cooling ready
Form Factor	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Gaming Mid-Tower 220 x 510 x 580mm (8.66" x 20.08" x 22.83")

* Please check with your Supermicro sales representative for compatibility

**Overlocking may void motherboard warranty. Please check the operation manual or online at www.Supermicro.com for supported components



Compact DP Workstation



Compact DP Workstation



MODEL	SuperWorkstation SYS-7037A-i	SuperWorkstation SYS-7037A-iL
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> CAD/CAM/CAE, Digital Content Creation, Non-Linear Editing 	<ul style="list-style-type: none"> CAD/CAM/CAE, Digital Content Creation, Non-Linear Editing
Outstanding Features	<ul style="list-style-type: none"> Supports 2 double width GPU/ Xeon Phi™ cards + 1 standard width card Optimized Thermal Solution, <21 dB Cost effective & Tool-less design Short-depth, space saving design 900W Gold Level high-efficiency power supply 	<ul style="list-style-type: none"> Optimized Thermal Solution, <21 dB Cost effective & Tool-less design Short-depth, space saving design 500W high-efficiency power supply
Serverboard	SUPER● X9DAi	SUPER● X9DAL-i
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 192GB of ECC Reg. DDR3-1600 MHz SDRAM in 6 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16, 2 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8)	1 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8 slot) 1 PCI 32-bit
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller;	Dual LAN with Intel® 82574L Gigabit Ethernet Controller;
VGA/Audio	Front HD audio ports, IEEE 1394a dual ports, 4 USB 3.0 (5Gbps) ports (2 front + 2 rear) and 7 USB 2.0 ports (2 front + 4 rear, 1 Type A)	Front HD audio ports, 4 USB 3.0 (5Gbps) ports (2 front + 2 rear) and 10 USB 2.0 ports (6 front + 4 rear)
Management	SuperDoctor® 5, Watchdog	SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" fixed SATA drive bays 4x 2.5" internal HDD/SSD bays (optional)	4x 3.5" fixed SATA drive bays 4x internal 2.5" HDD/SSD bays (optional)
Peripheral Bays	2x 5.25" peripheral drive bays 1x 3.5" peripheral drive bays	2x 5.25" peripheral drive bays 1x 3.5" peripheral drive bay
Power Supply	900W Gold Level high-efficiency power supply	500W high-efficiency power supply
Cooling System	1x 12cm rear exhaust fan 1x 12cm front cooling fan	1x 12 cm rear exhaust fan 1x 12cm front cooling fan (optional)
Form Factor	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")

* Please check with your Supermicro sales representative for compatibility



UP Workstation



UP Workstation



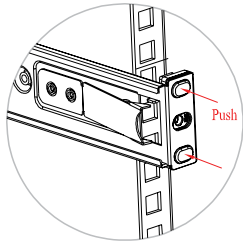
MODEL	SuperWorkstation SYS-5037A-i	SuperWorkstation SYS-5037A-iL
Processor Support	Single Intel® Xeon® Processor E5-1600/2600 v2 family, Intel® Core™ i7 Extreme/Performance series	Single Intel® Xeon® E3-1200, E3-1200 v2 series, 2nd & 3rd generation Core i3, Pentium & Celeron series
Key Applications	<ul style="list-style-type: none"> CAD/CAM/CAE, Digital Content Creation, Non-Linear Editing 	<ul style="list-style-type: none"> CAD/CAM/CAE Photo Editing Digital Content Creation Financial Analysis, Research
Outstanding Features	<ul style="list-style-type: none"> Supports 2 double width GPU cards Optimized Thermal Solution Cost effective & Tool-less design Whisper-Quiet 21dB 90° rotatable HDD Cage Design High Performance Mainstream SuperWorkstation Easy Access with 2 Front USB 3.0 and 2 front USB 2.0 900W Gold Level high-efficiency power supply 	<ul style="list-style-type: none"> X9 Entry Level Workstation Whisper-Quiet 21dB 90° rotatable HDD Cage Design Easy access with 2 front USB 3.0 and 2 front USB 2.0 Front Panel LED for System Health Indication 500W Bronze Level high-efficiency power supply
Serverboard	SUPER® X9SRA	SUPER® X9SAE
Chipset	Intel® C602 chipset	Intel® C216 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 32GB DDR3 1600 ECC or Non-ECC UDIMM in 4 DIMM Slots
Expansion Slots	2 PCI-E 3.0 x16 1 PCI-E 3.0 x4 (in x8) 1 PCI-E 2.0 x4 (in x8) 1 PCI 32-bit	1 PCI-E 3.0 x16 2 PCI-E 2.0 x4 (1 in x8 slot) 2 PCI-E 2.0 x1 1 PCI-32 bit
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	2 x SATA3.0 (6Gbps) w/ RAID 0,1 4 x SATA2.0 (3Gbps) w/ RAID 0,1,5,10
Connectivity	Dual LAN with Intel® 82579LM and 82574L Gigabit Ethernet controllers 4 USB 3.0 (5Gbps) ports (2 rear + 2 via headers) and 14 USB 2.0 ports (8 rear, 6 via headers)	Dual Gigabit LAN with Intel® 82579LM and 82574L ; 4 USB3.0 (5Gbps) ports (2 rear + 2 front) 8 USB2.0 ports (4 rear, 4 via header)
VGA/Audio	Front HD audio ports Realtek ALC889 7.1 HD audio w/ S/PDIF	VGA + 2 HDMI Video. Triple-Display Support 7.1 HD Audio ports Front HD audio ports
Management	SuperDoctor® 5, Watchdog, NMI	SuperDoctor® 5, Watchdog, NMI
Drive Bays	4x 3.5" fixed SATA drive bays 4x internal 2.5" HDD/SSD bays (optional)	4x 3.5" fixed SATA drive bays 4x 2.5" Internal HDD/SSD bays (optional)
Peripheral Bays	2x 5.25" peripheral drive bays 1x 3.5" peripheral drive bay	2x 5.25" peripheral drive bays 1x 3.5" peripheral drive bay
Power Supply	900W Gold Level high-efficiency power supply	500W Bronze Level high-efficiency power supply
Cooling System	1x 12cm rear exhaust fan 1x 12cm front cooling fan (optional)	1x 12cm rear exhaust fan 1x 12cm front cooling fan (optional)
Form Factor	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")

* Please check with your Supermicro sales representative for compatibility

Quick-Release Slide Rails

The Supermicro Tool-less, Quick-release Slide Rails

Designed for quick and easy installation and access to Supermicro's server equipment. Several different sizes are provided to accommodate a variety of Supermicro server systems.



Model Part#	MCP-290-00054-0N	MCP-290-00062-0N
Product	Optional rail set	Optional rail set
Content	Quick-release inner rail + quick-release outer rail	Quick-release inner rail + quick-release outer rail
Chassis Type	1U, 17.2" width	1U, 17.2" width
Mechanism	Linear	Linear
Outer Rail Extendable Length	25.6"~33.05"	25.6"~33.05"
Compatible Chassis	Optional for SC813, 814, 815	Optional for SC118, 119, 808, 809, 816, 818, 819

For Short-depth Chassis Rack



Model Part#	MCP-290-00052-0N-BULK	MCP-290-00056-0N
Product	Optional outer rail bulk pack	Optional short-depth outer rail
Content	Quick-release outer rail (10 set/pack)	Short quick-release outer rail
Chassis Type	1U, 17.2" width	1U, 17.2" width in short-depth rack
Mechanism	Linear	Linear
Outer Rail Extendable Length	25.6"~33.05"	19"~26.4"
Compatible Chassis	Optional for SC113, 113M, 118, 119, 512F-280/350/410/441/520/600, 515, 514, 808, 809, 813, 813M, 814, 815, 816, 818, 819	Optional for SC113, 113M, 118, 119, 512F-280/350/410/441/520/600, 514, 515, 808, 809, 813, 813M, 814, 815, 816, 818, 819

For Short-depth Chassis Rack



Model Part#	MCP-290-00053-0N	MCP-290-00057-0N	MCP-290-00058-0N
Product	Default rail set	Default rail set	Optional short-depth rail set
Content	Quick-release inner rail + quick-release outer rail	Quick-release inner rail + quick-release outer rail	Quick-release inner rail + quick-release outer rail
Chassis Type	2~3U, 17.2" width	4U, 17.2" width	2~4U, 17.2" width in short-depth rack
Mechanism	Ball-bearing, support round hole racks with adapter MCP-290-00060-0N	Ball-bearing, support round hole racks with adapter MCP-290-00060-0N	Ball-bearing, support round hole racks with adapter MCP-290-00060-0N
Outer Rail Extendable Length	26.5"~36.4"	26.5"~36.4"	19"~26.6"
Compatible Chassis	Default for SC213, 216, 217, 218, 219, 823M, 825, 825M, 826, 827, 828, 829, 835, 836, 837, 936, 937, 938, 939	Default for SC417, 418, 758, 846, 847, 848, optional for SC842	Optional for SC213, 216, 217, 218, 219, 417, 418, 747, 748, 758, 823M, 825, 825M, 826, 827, 828, 835, 836, 837, 842, 846, 847, 848, 936, 937, 938, 939

SuperRack® Total Solutions

Accessories



**42U Open Frame
SRK-42OR-03**
(1016mm Deep)
Generation 2



**42U Enclosure
SRK-42SE-03**
(1016mm Deep)
Generation 2



**42U Open Frame
SRK-42OR-01**
(950mm Deep)



**42U Open Frame
SRK-42OR-02**
(1175mm Deep)



**42U Enclosure
SRK-42SE-01**
(1000mm Deep)



**42U Enclosure
SRK-42SE-02**
(1225mm Deep)

Supermicro's SuperRack® systems were designed for ease of integration, implementation, and deployment. Their easy rear access and modularized Building Block design makes them ideal for hot-swap-capable servers, such as Supermicro's Twin and Double-Sided Storage® families. For a rack system that is convenient, reliable, and customizable, the Supermicro SuperRack® is the ideal choice.

Key Features:

Per-U Design - Ground-breaking Per-U design concept simplifies cable management and minimizes integration time

Accessible - Versatile **Front and Rear access hot-plug optimizations** provide an improve service experience

Optimized Air Flow - Reduced cabling optimizes air flow and improves cooling

Building Block Design - Building-block design and intuitive installation process reduce overall deployment schedules

Expandable - With unique add-on expansion units the SuperRack® easily accommodates many different server configurations

Customizable - Fully customizable options offer a well-rounded total Rack solution and service

SuperRack® Total Solution - Supermicro provides rack system configuration, integration, testing, burn-in, shipping whole rack system to enduser, please contact sales for details



• Versatile Front and Rear access hot-plug optimizations



• Per-U Design simplifies cable management and minimizes integration time

SuperRack® Solutions:

Pre-Configured, Fully Tested and Application Optimized

- Hadoop Clusters for Big Data Analytics
- Rack Solutions for Virtualization and Cloud Computing
- Rack Solutions for Search Engine, Web 2.0
- HPC Clusters with GPU/Xeon Phi™ Accelerator
- Scale-Out Storage with Extreme Drive Density
- Rack Integration Service from Design to Delivery

For detailed information, please contact your Supermicro sales representative; or, visit: <http://www.supermicro.com/products/rack>



42U SuperRack® Front View

(Rear View)

Network Adapters

Faster, More Flexible Networking

With outstanding performance, high power efficiency and excellent value, Supermicro's network adapters can help improve network throughput and application performance through features that maximize bandwidth and offload CPU resources. From 10Gb Ethernet to InfiniBand technologies, Dual-port and quad-port connectivity, in UIO (Universal I/O) and standard form factors, Supermicro's network adapters are optimized for the most demanding multi-core computing systems.

GbE Controllers



Model	AOC-CG-i2	AOC-CGP-i2	AOC-PG-i2+*	AOC-UG-i4*
Type	MicroLP	MicroLP	Proprietary	UIO
Description	Dual-port GbE	Dual-port GbE	Low-profile Dual-port GbE	Full-height quad-port GbE
Interface	PCI-E x4	PCI-E x4	PCI-E x4	PCI-E x8
Port	2 RJ45 ports	2 RJ45 ports	2 RJ45 ports	4 RJ45 ports
Speed	1 Gb/port	1Gb/port	1 Gb/port	1 Gb/port
Controller	Intel® 82580	Intel® i350	Intel® 82576EB	2x Intel® 82571EB
Dimension (LxW) (without end brackets)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	3.78" x 2.44" (9.6 x 6.2cm)	6.57" x 3.86" (16.69 x 9.80cm)
Compatible Motherboards	X9SCD-F	X9DRT-HF+, X9SRD-F, X9DRFR	X8DTU/-F (Require RSC-R1UU-E8PR)	All UIO motherboards
Compatible Servers	5037MC-H8TRF	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	6016T-UF, 6016T-NTF, 6016T-NTRF, 1026T-URF, 1026T-UF, 6016T-URF (Require RSC-R1UU-E8PR)	All UIO servers

NEW!

IB Controllers



Model	AOC-CIBQ-m1	AOC-CIBF-m1	AOC-UIBF-m1	AOC-UIBQ-m2	AOC-UIBQ-m1
Type	MicroLP	MicroLP	UIO	UIO	UIO
Description	MicroLP single-port IB QDR	MicroLP single-port IB FDR/40G Ethernet	Low-profile single-port IB FDR/40G Ethernet	Low-profile Dual-port IB QDR/10G Ethernet	Low-profile single-port IB QDR/10G Ethernet
Interface	PCI-E 3.0 x8	PCI-E 3.0 x8	PCI-E x8	PCI-E x8 2.0 (5GT/s)	PCI-E x8 2.0 (5GT/s)
Port	1 QSFP port / 2 USB ports	1 QSFP port / 2 USB ports	1 QSFP port	2 QSFP ports	1 QSFP port
Speed	40Gb/port (IB) or 10Gb/port (Ethernet)	56Gb/port (IB) or 40Gb/port (Ethernet)	56Gb/port (IB) or 40Gb/port (Ethernet)	40Gb/port (IB) or 10Gb/port (Ethernet)	40 Gb/port (IB) or 10Gb/port (Ethernet)
Controller	Mellanox® ConnectX-3 QDR	Mellanox® ConnectX-3 FDR	Mellanox® ConnectX-3 FDR	Mellanox® ConnectX-2 QDR	Mellanox® ConnectX-2 QDR
Dimension (LxW) (without end brackets)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	5.63" x 2.50" (14.29 x 6.35cm)	5.63" x 2.50" (14.29 x 6.35cm)	5.63" x 2.50" (14.29 x 6.35cm)
Compatible Motherboards	X9DRT-HF+, X9SRD-F	X9DRT-HF+, X9SRD-F, X9DRFR	All UIO Motherboards	All UIO motherboards	All UIO motherboards
Compatible Servers	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	All UIO Systems	All UIO servers	All UIO servers

NEW!

NEW!

NEW!

SFP+ Transceiver

10GbE Controllers



Model	AOC-STG-b4S	AOC-CTG-i2T	AOC-CTG-i2S	AOC-CTG-i1S	AOC-UTG-i2*	AOC-E10GSFSPSR
Type	Standard Low-profile	MicroLP	MicroLP	MicroLP	UIO	SFP+ Transceiver 1000Base-SX / 10GbBase-SR plug-in module
Description	Standard Low-profile 10GbE	MicroLP Dual-port 10GbE	Dual-port 10GbE	Single-port 10GbE	Full-height Dual-port 10GbE	Cabling Type: MMF 62.5/50 μm
Interface	PCI-E x8	PCI-E 2.0 x8	PCI-E x8	PCI-E x8	PCI-E x8	Products supported: Motherboards: X9DRW-7TPE+, X9DRW-ITPF+, X9DRW-7TPE, X9DRW-ITPE, X9DRW-ITPF, X9DB3-TPE, X9DB3-TPE, X8DTU-6TF+, Systems: 6027R-72RFTF+, 2027R-72RFTF+, 1027R-72RFTF, 6017R-72RFTF, 1027R-72BRFTF, 1026T-6RFT+, 6016T-6RFT+, 2026T-6RFT+, 6026T-6RFT+, SBM-GEM-X2C+, SBM-GEM-X3S
Port	4 SFP+	2 RJ45	2 SFP+ ports / 2 USB ports	1 SFP+ port / 2 USB ports	2 CX4 ports	Add-on Cards: AOC-STGN-i2S, AOC-CTG-i1S, AOC-CTG-i2S, AOC-STGN-i1S
Ethernet Speed	10Gb/port	10Gb/port	10Gb/port	10Gb/port	10 Gb/port	Switches: SSE-X3348S, SSE-X3348SR, SSE-X24S, SSE-X24SR, SSE-G24-TG4, SSE-G48-TG4, SSE-X24S
Controller	Broadcom® BCM57840S	Intel(R) X540	Intel® 82599ES	Intel® 82599EN	Intel® 82598EB	
Dimension (LxW) (without end brackets)	5.91" x 2.73" (15 x 6.9cm)	4.8" x 3.0" (12.32 x 7.66cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	6.57" x 3.86" (16.69 x 9.80cm)	
Compatible Motherboards	All MBs with a PCI-E x8 slot	X9DRT-HF+, X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	All UIO motherboards	
Compatible Servers	All servers with a PCI-E x8 slot	2U Twin+, and FatTwin w/ 4-node only	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	All UIO servers	

* Standard form factor is available as integrated solution with Supermicro server and motherboards.

Micro-LP Cards for 2U Twin Servers

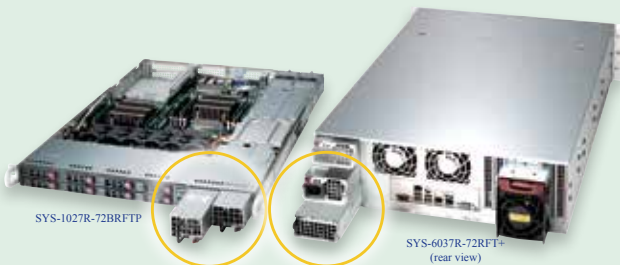


Model	AOC-CIBF-m1	AOC-CTG-i1S	AOC-CTG-i2S	AOC-CGP-i2	AOC-CIBQ-m1	AOC-CTG-i2T
Type	Micro-LP	Micro-LP	Micro-LP	Micro-LP	MicroLP	MicroLP
Description	Micro-LP single-port IB FDR/40G Ethernet	Single-port 10GbE	Dual-port 10GbE	Dual-port GbE	MicroLP single-port IB QDR	MicroLP Dual-port 10GbE
Interface	PCI-E 3.0 x8	PCI-E x8	PCI-E x8	PCI-E x4	PCI-E 3.0 x8	PCI-E 2.0 x8
Port	1 QSFP port / 2 USB ports	1 SFP+ port / 2 USB ports	2 SFP+ ports / 2 USB ports	2 RJ45 ports	1 QSFP port / 2 USB ports	2 RJ45
Speed	56Gb/port (IB) or 40Gb/port (Ethernet)	10Gb/port	10Gb/port	1Gb/port	40Gb/port (IB) or 10Gb/port (Ethernet)	10Gb/port
Controller	Mellanox® ConnectX-3 FDR	Intel® 82599EN	Intel® 82599ES	Intel® i350	Mellanox® ConnectX-3 QDR	Intel(R) X540
Dimension (LxW) (without end brackets)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.8" x 3.0" (12.32 x 7.66cm)
Compatible Motherboards	X9DRT-HF+, X9SRD-F, X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	X9DRT-HF+, X9SRD-F	X9DRT-HF+, X9DRFR
Compatible Servers	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	2U Twin+, and FatTwin w/ 4-node only

BBP® (Battery Backup Power) Solutions

Evolutionary Design to Replace UPS!

- Increases overall data center power efficiency
- Hot-swappable and easy deployed
- Eliminates UPS while maintaining system power stability and redundancy
- Frees UPS space to increase server density deployment
- Flexible configurations available for current Supermicro systems
- More cost-effective than traditional Datacenter UPS
- Fits most Supermicro SuperServers, Storage, and Embedded solutions



For detailed information, please contact your Supermicro sales representative; visit: <http://www.supermicro.com/BBP>

Model	PWS-206B-1R	PWS-1K03B-1R
Total Output Power	200W / 5 minutes	1000W / 2.5 minutes
Input	Work w/ PWS-406P/503P/606P/703P-1R	Work w/ PWS-1K28P-SQ/ PWS-920P-SQ/ PWS-741P-1R/PWS-501P-1R
Form Factor	1U	1U
Dimension (LxWxH) cm	22 x 5.45 x 4	36 x 7.6 x 4
Output Type*	Backplanes available	Backplanes available
Redundant	Yes	Yes
I²C Remote Monitoring	FRU/Smart battery I²C	FRU/Smart battery I²C
+5V	-	-
+12V	16.7A	83.3A
+3.3V	-	-
5VSB	2A	4A
-12V	-	-
Efficiency	Online mode power consumption <1W	Online mode power consumption <1W

HBA and SAS RAID Cards

NEW!
SAS3 12Gbps



NEW!
SAS3 12Gbps



NEW!
SAS3 12Gbps



6Gbps



6Gbps



Model name	AOC-S3108L-H8iR [†]	AOC-S3008L-L8e [†]	AOC-S3008L-L8i [†]	AOC-S2208L-H8iR	AOC-S2308L-L8e
Type	Standard	Standard	Standard	Standard	Standard
Controller/IOP	AvagoSAS 3108	AvagoSAS 3008	AvagoSAS 3008	AvagoSAS 2208	AvagoSAS 2308
SAS Port	8 ports, 12Gbps per port, 8 Internal, Low Profile, 240 SATA/SAS Drives	8 ports, 12Gbps per port, 8 Internal, Low Profile, 122 SATA/SAS Drives	8 ports, 12Gbps per port, 8 Internal, Low Profile, 63 SATA/SAS Drives	8 ports, 6Gbps per port, 8 Internal, Low Profile, 240 SATA/SAS Drives.	8 ports, 6Gbps per port, 8 Internal, Low Profile, 122 SATA/SAS Drives
RAID	RAID 0,1,5,6,10,50,60	IT/HBA Mode	RAID 0,1,10	RAID 0,1,5,6,10,50,60	IT/HBA Mode
Onboard Cache	2GB DDR3 on-card cache Optional SuperCap: BTR-TFM8G-AvagoCVM02. Installation kit PN =MCP-240-00127-0N	-	-	1GB DDR3 on-card cache w/ Battery Back-up or SuperCap, Optional Battery Backup Unit: BTR-0022L-Avago00279 / MCP-450-00001-0N / Ambient Temp 45C: Super-Cap option: BTR-0024LH-Avago00297. Installation kit PN =MCP-240-00127-0N	-

6Gbps



6Gbps



6Gbps



6Gbps



6Gbps



Model	AOC-S2308L-L8i	AOC-SAS2LP-H8iR	AOC-SAS2LP-H8iR-16DD	AOC-USAS2LP-H8iR*	AOC-USAS2-L8iR
Type	Standard	Standard	Standard	UIO	UIO
Controller/IOP	AvagoSAS 2308	AvagoSAS 2108	AvagoSAS 2108	AvagoSAS 2108	AvagoSAS 2008
SAS Port	8 ports, 6Gbps per port, 8 Internal, Low Profile, 63 SATA/SAS Drives	8 ports, 6Gbps per port, 8 Internal, Low Profile, 240 SATA/SAS Drives	8 ports, 6Gbps per port 8 Internal, Low Profile 16 SATA/SAS Drives	8 ports, 6Gbps per port 8 Internal, Low Profile	8 ports, 6Gbps per port 8 Internal
RAID	RAID 0,1,10	RAID 0,1,5,6,10,50,60	RAID 0,1,5,6,10,50,60	RAID 0,1,5,6,10,50,60	RAID 0,1,5,10
Onboard Cache	-	512MB DDR2 on-card cache W/ Optional Battery Backup Unit: BTR-0023L-Avago00264	512MB DDR2 on-card cache w/ Optional Battery Backup Unit: BTR-0023L-Avago00264	512 MB DDR2 on-card cache w/ Optional Battery Backup Unit: BTR-0023L-Avago00264	-

6Gbps



6Gbps



6Gbps



6Gbps



Model	AOC-USAS2-L8i	AOC-USAS2-L8E	AOC-SAS2LP-H4iR	AOC-SAS2LP-MV8
Type	UIO	UIO	Standard	Standard
Controller/IOP	AvagoSAS 2008	AvagoSAS 2008	AvagoSAS 2108	Marvel 9480 based
SAS Port	8 ports, 6Gbps per port 8 Internal	8 ports, 6Gbps per port 8 Internal	8 ports, 6Gbps per port, 4 Internal. 4 external, Low Profile, 240 SATA/SAS Drives	8 ports, 6Gbps per port 8 Internal, Low Profile
RAID	RAID 0,1,10,1E	IT mode / HBA	RAID 0,1,5,6,10,50,60	HBA
Onboard Cache	-	-	512MB DDR2 on-card cache w/ battry W/ Optional Battery Backup Unit: BTR-0023L-Avago00264	-



Model	AOC-USAS-L8i**	AOC-USASLP-L8i**	AOC-USAS-L4i**	AOC-USAS-L4iR**	AOC-SASLP-MV8**
Type	UIO	UIO	UIO	UIO	Standard
Controller/IOP	AvagoSAS 1068E	AvagoSAS 1068E	AvagoSAS 1068E	AvagoSAS 1068E	Marvell Hercules-2
SAS Port	8 ports, 3Gbps per port 8 Internal	8 ports, 3Gbps per port 8 Internal, Low Profile	8 ports, 3Gbps per port 4 Internal, 4 External	8 ports, 3Gbps per port 4 Internal, 4 External	8 ports, 3Gbps per port 8 Internal, Low Profile
RAID	IT/HBA Mode	IT/HBA Mode	RAID 0,1,10	RAID 0,1,5,10	HBA only
Onboard Cache	-	-	-	-	-

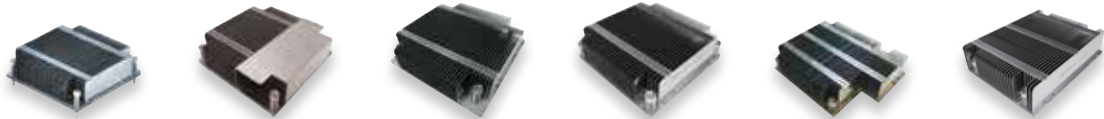
* Applies to 2U low-profile, 3U and 4U chassis.

** EOLed

† Available as integrated solutions with Supermicro servers.

Heatsinks (X10/X9)

X9 and X10 1U Passive CPU Heat Sinks for UP, DP, and MP Systems

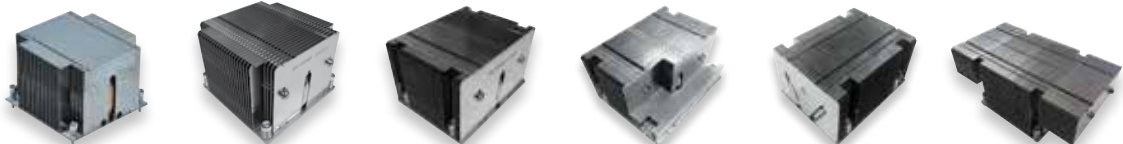


Part Number	SNK-P0037P	SNK-P0041	SNK-P0046P	SNK-P0047P	SNK-P0047PD	SNK-P0047PS
Form Factor	1U Passive, DP	Proprietary 1U Passive, DP (X9DBL Front CPU)	1U Passive, UP (X10/X9)	1U Passive, UP, DP	1U Passive, Proprietary, DP	1U Passive, UP, DP, MP
CPU Type	Intel® Xeon® Processor E5-2400 & E5-2400 v2 & v3 Series	Intel® Xeon® Processor E5-2400 & E5-2400 v2 & v3 Series	Intel® Xeon® Processor E3-1200, E3-1200 v2 & v3 Series; 2nd Generation Intel® Core™ i3 Processors	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 and E5-4600 Series
Socket Type	LGA 1356	LGA 1356	LGA 1155 & LGA1150	LGA 2011 (Square ILM)	LGA 2011 (Square ILM)	LGA 2011 (Narrow ILM)
Major Integrated Part	Copper + Aluminum Base Aluminum Fins Heat Pipes	Copper Base Aluminum Fins	Copper + Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes
Dimension	90L x 90W x 27H mm	90L x 90W x 27H mm	95L x 95W x 27H mm	90L x 90W x 26H mm	90L x 110W x 27H mm	104L x 80W x 26H mm
Mounting Method	Screws + Springs	Screws + Springs	Screws + Springs Mounting Bracket (BKT-0028L Included)	Screws + Springs	Screws + Springs	Screws + Springs



Part Number	SNK-P0047PSC	SNK-P0047PSM	SNK-P0047PSR	SNK-P0047PS+	SNK-P0047PW	SNK-P0057P	SNK-P0057PS
Form Factor	Proprietary 1U Passive, DP (1U 3/4 GPU/Xeon Phi™ Front CPU)	Proprietary 1U Passive, DP (2U Twin+ Front CPU), Twin Pro™	Low Profile Passive, Proprietary, UP (X10/X9) 12-node MicroCloud Servers	Proprietary 1U Passive, UP (X10/X9) (Micro Cloud Server)	Proprietary 1U Passive, DP (2U Twin2 Rear CPU)	1U Passive, UP, DP	1U Passive, UP, DP, MP
CPU Type	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® processor E3-1200/E3-1200v2/E3-1200v3 series	Intel® Xeon® Processor E3-1200, E3-1200 v2 & v3 and E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600, E5-2600 v2, and E5-2600 v3 Series	Intel® Xeon® Processor E5-2600, E5-2600 v2, E5-2600 v3, and E5-4600 Series
Socket Type	LGA 2011 (Narrow ILM)	LGA 2011 (Narrow ILM)	LGA 1150 & LGA 1155	LGA 1155 & LGA1150, LGA2011 (Narrow ILM)	LGA 2011 (Square ILM)	LGA 2011 (Square ILM)	LGA 2011 (Narrow ILM)
Major Integrated Part	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Copper + Aluminum Base Copper Fins Heat Pipes	Copper + Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Copper + Aluminum Fins Heat Pipes	Copper + Aluminum Base Copper Fins Heat Pipes	Copper + Aluminum Base Copper Fins Heat Pipes
Dimension	104L x 80W x 26H mm	104L x 80W x 26H mm	104L x 80W x 15H mm	104L x 80W x 30H mm	90L x 116W x 26H mm	90L x 90W x 26H mm	104L x 80W x 26H mm
Mounting Method	Screws + Springs	Screws + Springs	Springs + Screws	Screws + Springs	Screws + Springs	Screws + Springs	Screws + Springs

X9 and X10 2U Passive CPU Heat Sinks for UP, DP, and MP Systems



Part Number	SNK-P0038P	SNK-P0048P	SNK-P0048PS	SNK-P0048PSC	SNK-P0048PW	SNK-P2048P
Form Factor	2U(+) Passive, DP	2U(+) Passive, UP, DP	2U(+) Passive, UP, DP, MP	Proprietary 2U Passive, DP (2U WIO+ Server)	Proprietary 2U Passive, DP (2U Twin Rear CPU)	Proprietary 2U Passive, DP (HFT Series Servers)
CPU Type	Intel® Xeon® Processor E5-2400 & E5-2400 v2 & v3 Series	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 and E5-4600 Series	Intel® Xeon® Processor E5-2600, E5-2600 v2, and E5-2600 v3 Series	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family
Socket Type	LGA 1356	LGA2011 (Square ILM)	LGA2011 (Narrow ILM)	LGA2011 (Narrow ILM)	LGA 2011 (Square ILM)	LGA2011 (Square ILM)
Major Integrated Part	Copper + Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Copper + Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes
Dimension	90L x 90W x 64H mm	90L x 90W x 64H mm	104L x 80W x 64H mm	104L x 80W x 64H mm	90L x 116W x 64H mm	90L x 170W x 64H mm
Mounting Method	Screws + Springs	Screws + Springs	Screws + Springs	Screws + Springs	Screws + Springs	Screws + Springs

X9 and X10 Active CPU Heat Sinks for UP and DP Systems



Part Number	SNK-P0035AP4	SNK-P0040AP4	SNK-P0046A4	SNK-P0048AP4	SNK-P0050AP4	SNK-P2050AP4	SNK-P0051AP4
Form Factor	4U Active, DP	4U Active, DP	2U(+) Active, UP (X10/X9)	2U(+) Active, UP, DP	4U Active, UP, DP	Proprietary 4U Active, DP (HFT Series Servers)	4U Active, UP
CPU Type	Intel® Xeon® Processor E5-2400 & E5-2400 v2 & v3 Series	Intel® Xeon® Processor E5-2400 & E5-2400 v2 & v3 Series	Intel® Xeon® Processor E3-1200, E3-1200 v2 & v3 Series; 2nd Generation Intel® Core™ i3 Processors	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E3-1200v2/v3 family
Socket Type	LGA 1356	LGA 1356	LGA1155 & LGA1150	LGA 2011 (Square and Narrow ILMs)	LGA 2011 (Square and Narrow ILMs)	LGA 2011 (Square ILM)	LGA 1150 & LGA 1155
Material	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Front Side)	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Rear Side)	Copper Base Aluminum Fins Cooling Fan (Top)	Aluminum Base Aluminum Fins Heat Pipes Cooling Fan (Front Side)	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Front Side)	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Middle Side)	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Front Side)
Dimension	105L x 100W x 126H mm	105L x 100W x 126H mm	90D x 65H mm	85L x 80W x 65L mm	105L x 93W x 126H mm	96L x 130W x 125H mm	105L x 93W x 128H mm
Mounting Method	Screws + Springs Mounting Bracket (BKT-0023L Included)	Screws + Springs	Push-in Pins	Screws + Springs; Mounting Brackets (BKT-0048L-RS and BKT-0048L-RN Included)	Screws + Springs; Mounting Brackets (for Square and Narrow ILMs Included)	Screws + Springs	Back Plate + Springs + Screws BKT-0028L Included

IPMI (Server Remote Management)

Onboard IPMI 2.0 for(-F) Motherboards/ Servers

Many Supermicro (-F) motherboards now offer IPMI 2.0 capabilities onboard through a dedicated LAN port to support both Virtual Media over LAN and KVM-over-LAN. This convenient remote management feature is provided through an onboard BMC (Baseboard Management Controller) that improves reliability and maintainability while reducing costs.

Monitoring Features:

- Monitor CPU and system temperature
- Monitor on-board voltage (12V, 5V, 5Vst_by, Vbat, Vcore, memory voltage)
- Monitor and control fan speed
- Chassis intrusion
- Power status (including PMbus support)
- Memory errors
- CPU errors

Management Features:

- Remote system power control (including ACPI power off)
- Virtual Media and KVM (included with price of motherboard)
- SOL (included with price of motherboard)
- E-mail alerts and SNMP traps
- Support for Node Manager
- Mount ISO images

Security Features:

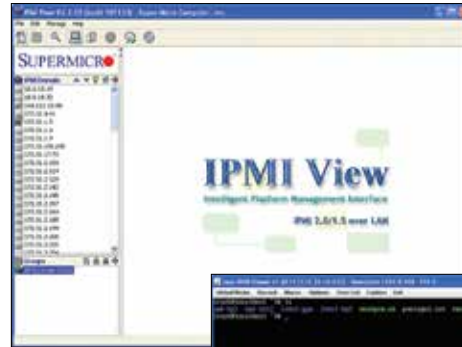
- Firmware firewall
- Restricted access using pre-defined IP address
- Added security with SSL
- Protection from shell injection

Easy Maintenance:

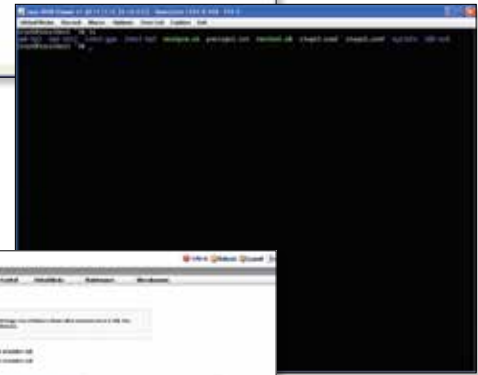
- Configuration utility for DOS, Windows, Linux
- Firmware flash utilities for DOS, Windows, Linux (easy to script)
- Firmware flash using web-browser
- Fail-over access to IPMI over network
- CLI and GUI tools to maintain large deployments
- Support OOB BIOS management (for selected HW)

Added-value Features:

- SMASH
- DCMI
- Active directory and LDAP
- RADIUS



GUI



Remote Console



Virtual Media



Sensor Readings

SuperDoctor® Server Management

Health Info



System Info



Configuration - Alerts



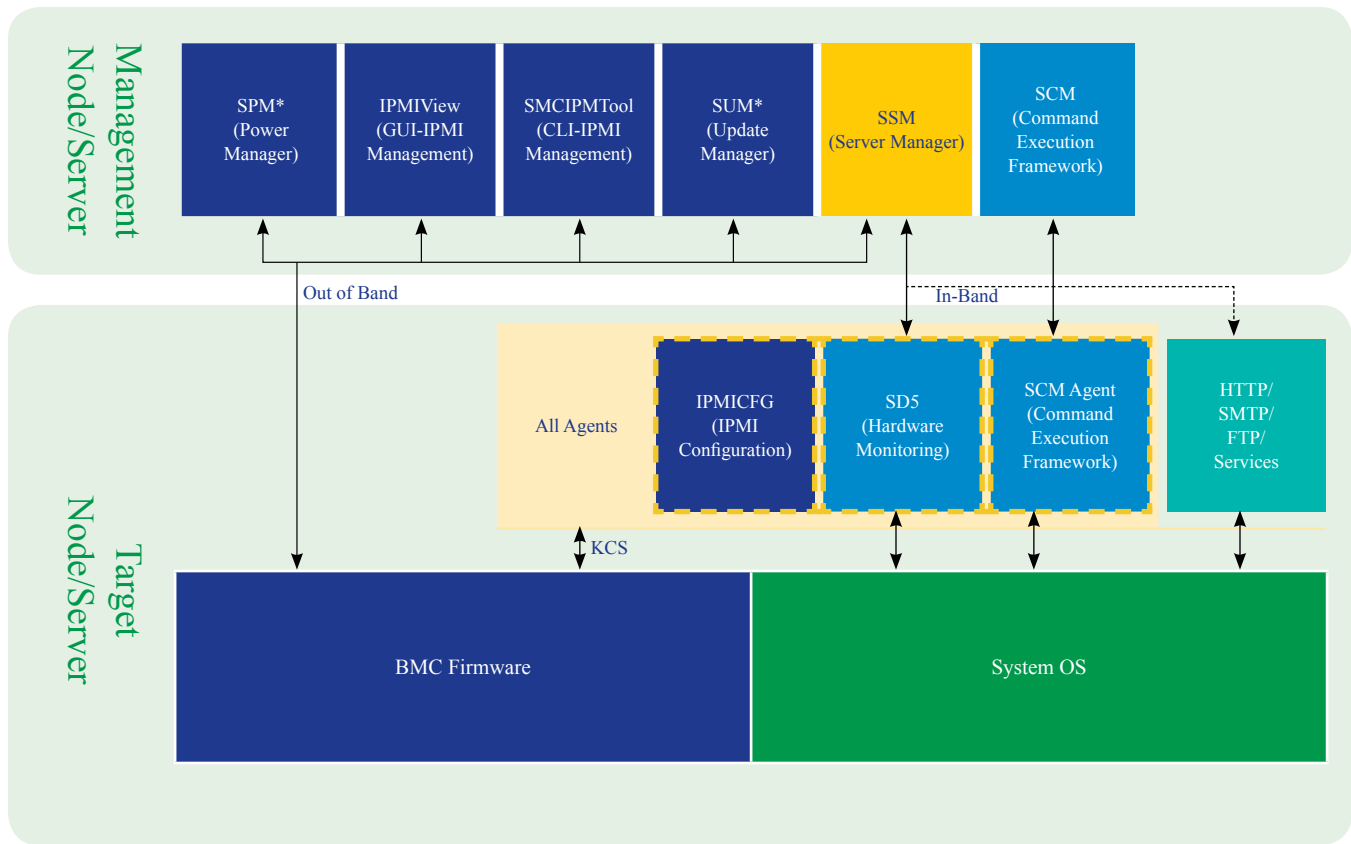
Configuration - Monitor Items



Configuration - Flash BIOS



Server Management Utilities



Supermicro Server Management Utilities

Server management utilities assist data center system administrators to manage hardware issues such as server availability and firmware upgrades to reduce server downtime.

Supermicro has developed a multifunction suite of tools that can perform health monitoring, power management and firmware maintenance to help deploy and maintain servers in data centers.

Our solutions are designed for easy automation with existing management infrastructure. In data centers, Supermicro Server Management Utilities provides you all the necessary functions like:

Remotely managing the health of hardware and operating system services:

Helps IT operators to monitor the health of system components through Agent and Agent-less based solutions.

Managing power consumption of nodes in cluster:

Optimize the power consumption of your server rack. Monitor and apply policies to maximize compute density per rack and avoid unexpected server shutdowns.

Managing BIOS provisioning through BMC/IPMI:

Allows you to manage system BIOS upgrades and configurations uniformly across multi-environment deployments through baseboard management controller.

Execute commands on multiple target systems in parallel:

Perform parallel firmware upgrades, system memory and power commands, and many more through SSL and RMCP+.

*AMD platform not supported.

Layer 2 Ethernet Switches

Cost-effective 1-Gigabit Ethernet networking including a Power-over-Ethernet model and featuring Energy Efficient Ethernet – We Keep IT Green®



Rear View

Model	SSE-G2252P (52 ports; 48 with Power-over-Ethernet)	SSE-G2252 (52 ports)		
General Specifications:	<ul style="list-style-type: none"> 48 RJ45 10/100/1000 Mbps Ports 4 SFP 1-G Ports Non-Blocking Standard L2 Features IPv4 and IPv6 RJ45 Console Port: Web Management, CLI Power-over-Ethernet (IEEE802.3at) <ul style="list-style-type: none"> - Up to 30W per port - Up to 400W total PoE budget 	<ul style="list-style-type: none"> 48 RJ45 10/100/1000 Mbps Ports 4 SFP 1-G Ports Non-Blocking Standard L2 Features IPv4 and IPv6 RJ45 Console Port: Web Management GUI, CLI 		
Switching Capacity	<ul style="list-style-type: none"> 104 Gbps 	<ul style="list-style-type: none"> 104 Gbps 		
Energy Efficient Ethernet	<ul style="list-style-type: none"> 802.3az 	<ul style="list-style-type: none"> 802.3az 		
Power Supply	<ul style="list-style-type: none"> 500W 	<ul style="list-style-type: none"> 65W 		
Weight	<ul style="list-style-type: none"> 11.7 lbs / 5.3kg 	<ul style="list-style-type: none"> 6.8 lbs / 3.1kg 		
Dimensions (WxDxH)	<ul style="list-style-type: none"> 440 x 379 x 43mm (17.3" x 14.9" x 1.7") 	<ul style="list-style-type: none"> 440 x 279 x 43mm (17.3" x 11" x 1.7") 		
Switching Features	<ul style="list-style-type: none"> 16K MAC address entries Link Aggregation <ul style="list-style-type: none"> - 802.3ad with LACP - Up to 12 aggregation groups up to 8 ports per group 	<ul style="list-style-type: none"> Double tagging: <ul style="list-style-type: none"> - 802.1 Q-in-Q - 802.1ad provider bridge - Unqualified learning and forwarding 	<ul style="list-style-type: none"> Storm protection <ul style="list-style-type: none"> - Broadcast - Multicast IGMP: <ul style="list-style-type: none"> - IGMP snooping v1/v2/v3 	<ul style="list-style-type: none"> Spanning tree <ul style="list-style-type: none"> - 802.1D spanning tree - 802.1s multiple Jumbo frames up to 9KB
VLAN	<ul style="list-style-type: none"> 802.1Q tagging, port and protocol based Dynamic VLAN Support (GVRP) 	<ul style="list-style-type: none"> 256 active VLANs Voice VLAN support 		
Quality of Service (QoS)	<ul style="list-style-type: none"> L2/L3/L4Traffic Classification/ Priority Management Deficit WRR and Strict Priority Scheduling 	<ul style="list-style-type: none"> Traffic shaping <ul style="list-style-type: none"> - IP based (all ports) - Port based (all ports) - Port based shaping QoS aware 4 priority queues per port IPv4/v6 DiffServ 	<ul style="list-style-type: none"> Per port bandwidth management <ul style="list-style-type: none"> - Resolution 64KB Packet prioritization based on ingress/egress ports using pre-defined value 	<ul style="list-style-type: none"> Ingress/Egress metering at 64KB increments Ingress/egress policer Ingress and egress co-work
Security Features	<ul style="list-style-type: none"> 802.3x Port-Based Authentication Switch access password protection 	<ul style="list-style-type: none"> Layer 2, 3, 4 Access Control List (512 rules) 	<ul style="list-style-type: none"> RADIUS and TACACS+ Authentication 	<ul style="list-style-type: none"> SSH/SSL Encryption
Management Features	<ul style="list-style-type: none"> Web-based management interface – HTTP/HTTPS <ul style="list-style-type: none"> - Telnet (4 sessions) - SNMP 	<ul style="list-style-type: none"> Industry standard CLI with telnet, SSH, or local management port <ul style="list-style-type: none"> - Scripting capability - Command completion - Context-sensitive "Help" 	<ul style="list-style-type: none"> Software upgrade/download Multiple configuration file upload/download by TFTP and HTTP 	<ul style="list-style-type: none"> Auto upgrade DHCP functions Telnet-Server SNMP v1/v2c/v3 RMON
PoE Features	<ul style="list-style-type: none"> Compliant with IEEE 802.3af-2003 & IEEE 802.3at-2009 PoE on 10/100/1000Base-T ports only (ports 1~48) Power start/stop (remote sense) Power feeding over 1/2 and 3/6 data twisted pair of Cat. 5 UTP/STP cable Independent overload and short-circuit protection for each port LED indicators for power status per port Per port configuration Port priority configuration IEEE 802.3af/IEEE 802.3at MIB for Power over Ethernet function 			
Operating Temperature	<ul style="list-style-type: none"> 0 ~ 50°C 			

Please refer to the Supermicro website for all the latest updates:

<http://www.supermicro.com/networking>

Layer 2/3 Ethernet Switches

Enterprise-class performance with advanced switching capabilities in a 1U form factor. Highly cost-effective 1/10-Gigabit Ethernet Networking – Standalone or Top-of-Rack.

Accessories



Rear View



New!



Model	SSE-G48-TG4	SSE-G24-TG4
Port Attributes	<ul style="list-style-type: none"> 48 One Gigabit Ethernet ports 48 RJ45 Copper ports Four fiber SFP combo ports Out-of-band RS-232 Management port Up to four 10-Gigabit Ethernet uplinks Up to two stacking ports 	<ul style="list-style-type: none"> 24 One Gigabit Ethernet ports 24 RJ45 Copper ports Four fiber SFP combo ports Out-of-band RS-232 Management port Up to four 10-Gigabit Ethernet uplinks Up to two stacking ports
Switching Capacity	184 Gbps	136Gbps
Stacking Performance	Up to 48 Gbps	Up to 48 Gbps
Power Consumption	145W	105W
Weight	13.7 lbs / 6.20 kg (w/ modules) 13.4 lbs / 6.06 kg (w/o modules)	12.6 lbs / 5.70 kg (w/ modules) 12.2 lbs / 5.54 kg (w/o modules)
Dimensions (WxDxH)	440 x 387 x 43mm (17.3" x 15.2" x 1.7")	
Availability	<ul style="list-style-type: none"> Spanning Tree (802.1D) Rapid Spanning Tree (802.1w) 	<ul style="list-style-type: none"> Multiple Spanning Trees (802.1s) Virtual Redundant Routing Protocol (VRRP)
VLAN	<ul style="list-style-type: none"> 802.1Q tagging, port and protocol based Dynamic VLAN Support (GVRP) 	<ul style="list-style-type: none"> 1K Static VLANs
Quality of Service and DiffServ	<ul style="list-style-type: none"> 8 priority queues per port Adjusted WRR and Strict Priority Scheduling Layer 2, 3, 4 Prioritization 	<ul style="list-style-type: none"> Marking Metering / Rate limiting
Switching Features	<ul style="list-style-type: none"> Link Aggregation - 24 groups with 8 members per group LACP Support Link Layer Discovery Protocol (802.1AB) 	<ul style="list-style-type: none"> Jumbo Frames up to 9KB Port Mirroring – N to 1. Tx & Rx Configurable
Routing Features	<ul style="list-style-type: none"> Static Routing, RIP v1/v2, RIPvng, OSPF v1/v2/v3 and BGP IPv4 and IPv6 Routing 	<ul style="list-style-type: none"> VRRP (Virtual Router Redundancy Protocol) DVMRP (Distance Vector Multicast Routing Protocol)
Multicast	<ul style="list-style-type: none"> IGMP Snooping v1, v2, v3 IGMP v1, v2, v3 	<ul style="list-style-type: none"> PIM SM, PIM DM PIM SMv6
Security Features	<ul style="list-style-type: none"> 802.3x Port Based Authentication Switch access password protection Layer 2, 3, 4 Access Control Lists (256 rules) 	<ul style="list-style-type: none"> RADIUS and TACACS+ Authentication SSH, SSL Encryption
Management Features	<ul style="list-style-type: none"> Web-based management interface – HTTP/HTTPS Telnet SNMP Industry standard CLI with telnet, SSH, or local management port Scripting capability Command completion Context-sensitive "Help" 	<ul style="list-style-type: none"> Multiple levels of user privilege (CLI and Web UI) SNMP v1, v2, v3 Four RMON Groups - (1, 2, 3 and 9) Logging – syslog Dual firmware images Configuration file - upload / download
Operating Temperature	0 ~ 40°C	

SSE-X3648S/R
Layer 2/3 10G Ethernet SuperSwitch (Stand-alone)
Specifications <ul style="list-style-type: none"> Ports 48x Ten-Gigabit Ethernet ports – SFP+ 6x Forty-Gigabit Ethernet ports – QSFP+ RJ-45 (for console cable) RJ-45 1G Ethernet Management Port USB
Switching <ul style="list-style-type: none"> Switching Capacity - 1440 Gbps Broadcom Trident II Switch Chip Wire-speed Layer 3 Routing 1:1 Non-blocking connectivity
Processing <ul style="list-style-type: none"> Intel Rangeley CPU 4G DRAM 16G SSD ONIE Cumulus Linux Ready
Power <ul style="list-style-type: none"> Redundant, hot-pluggable, 460W power supplies AC Input: 100-127/200-240 V, 50/60 Hz Power Consumption: 305 Watts Regular and Reverse Airflow Models
Physical/Environmental <ul style="list-style-type: none"> Weight: 10.13kg (22.29 lb) Size (W x D x H): 433.8 x 550 x 44 mm (17.07 x 21.6 x 1.73 inches) Temperature: Operating 0°C to 40 °C (32°F to 104°F) Humidity: Operating: 5% to 95% (noncondensing)
General <ul style="list-style-type: none"> Bare metal 1U form factor for flexible installation Mounting Rails (included)

Options (order at least one, maximum two with each SSE-G24-TG4 or SSE-G48-TG4)



AOM-SSE-X2C

Two-port CX4 connector module for copper connections and for Stacking



AOM-SSE-X2F

Two-port XFP connector module for fiber connections



AOM-SSE-X2S

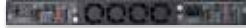
Two-port SFP+ connector module for copper or fiber connections

Layer 2/3 Ethernet Switches

Enterprise-class performance with advanced switching capabilities in a 1U form factor.
Highly cost-effective 10-Gigabit Ethernet Networking – Standalone or Top-of-Rack.



Rear View



Model	SSE-X24S/SR	SSE-X3348S/SR	SSE-X3348T/TR
Port Attributes	<ul style="list-style-type: none"> 24 Ten Gigabit Ethernet ports <ul style="list-style-type: none"> - SFP+ Connectors 1 One-Gigabit Ethernet port <ul style="list-style-type: none"> - RJ45 Connector Out-of-band RS-232 Management port 	<ul style="list-style-type: none"> 48 Ten-Gigabit Ethernet ports <ul style="list-style-type: none"> - SFP+ Connectors 4 Forty-Gigabit Ethernet ports <ul style="list-style-type: none"> - QSFP Connectors 2 One-Gigabit Ethernet ports <ul style="list-style-type: none"> - RJ45 Connectors Out-of-band RS-232 Management port 	<ul style="list-style-type: none"> 48 Ten-Gigabit Ethernet ports <ul style="list-style-type: none"> - 10GBase-T RJ45 connectors 4 Forty-Gigabit Ethernet ports <ul style="list-style-type: none"> - QSFP Connectors 2 One-Gigabit Ethernet ports <ul style="list-style-type: none"> - RJ45 Connectors Out-of-band RS-232 Management port Energy Efficient Ethernet- IEEE 802.3az
Switching Capacity	<ul style="list-style-type: none"> 480 Gbps 	<ul style="list-style-type: none"> 1284 Gbps 	<ul style="list-style-type: none"> 1284 Gbps
Power Consumption	<ul style="list-style-type: none"> 176W (Redundant Power Supplies) Reverse airflow model available 	<ul style="list-style-type: none"> 326W (Redundant Power Supplies) Reverse airflow model available 	<ul style="list-style-type: none"> 357W (Redundant Power Supplies) Reverse airflow model available
Weight	<ul style="list-style-type: none"> 16.7 lbs / 7.58 kg 	<ul style="list-style-type: none"> 18.1 lbs / 8.2 kg 	<ul style="list-style-type: none"> 20.3 lbs / 9.22 kg
Dimensions (WxDxH)	<ul style="list-style-type: none"> 440 x 387 x 43mm (17.3" x 15.2" x 1.7") 	<ul style="list-style-type: none"> 438 x 473 x 43mm (17.3" x 18.6" x 1.7") 	<ul style="list-style-type: none"> 438 x 473 x 43mm (17.3" x 18.6" x 1.7")
Availability	<ul style="list-style-type: none"> Spanning Tree (802.1D) Rapid Spanning Tree (802.1w) 	<ul style="list-style-type: none"> Multiple Spanning Trees (802.1s) Virtual Redundant Routing Protocol (VRRP) 	
VLAN	<ul style="list-style-type: none"> 802.1Q tagging, port and protocol based Dynamic VLAN Support (GVRP) 	<ul style="list-style-type: none"> 4K Static VLANs 	
Data Center	<ul style="list-style-type: none"> DCBx 		
Quality of Service and DiffServ	<ul style="list-style-type: none"> 8 priority queues per port Adjusted WRR and Strict Priority Scheduling Layer 2, 3, 4 Prioritization 	<ul style="list-style-type: none"> Marking Metering / Rate limiting 	
Switching Features	<ul style="list-style-type: none"> Link Aggregation - 24 groups with 8 members per group LACP Support Link Layer Discovery Protocol (802.1AB) 	<ul style="list-style-type: none"> Jumbo Frames up to 9KB Port Mirroring – N to 1. Tx & Rx Configurable 	
Routing Features	<ul style="list-style-type: none"> Static Routing, RIP v1/v2, RIPng, OSPF v1/v2/v3 and BGP IPv4 and IPv6 Routing 	<ul style="list-style-type: none"> VRRP (Virtual Router Redundancy Protocol) DVMRP (Distance Vector Multicast Routing Protocol) 	
Multicast	<ul style="list-style-type: none"> IGMP Snooping v1, v2, v3 IGMP v1, v2, v3 	<ul style="list-style-type: none"> PIM SM, PIM DM PIM SMv6 	
Security Features	<ul style="list-style-type: none"> 802.3x Port Based Authentication Switch access password protection Layer 2, 3, 4 Access Control Lists (256 rules) 	<ul style="list-style-type: none"> RADIUS and TACACS+ Authentication SSH, SSL Encryption 	
Management Features	<ul style="list-style-type: none"> Web-based management interface – HTTP/HTTPS <ul style="list-style-type: none"> - Telnet - SNMP Industry standard CLI with telnet, SSH, or local management port <ul style="list-style-type: none"> - Scripting capability - Command completion - Context-sensitive "Help" 	<ul style="list-style-type: none"> Multiple levels of user privilege (CLI and Web UI) SNMP v1, v2, v3 Four RMON Groups - (1, 2, 3 and 9) Logging – syslog Dual firmware images Configuration file - upload / download 	
Operating Temperature	<ul style="list-style-type: none"> 0 ~ 40°C 	<ul style="list-style-type: none"> 0 ~ 47°C 	<ul style="list-style-type: none"> 0 ~ 45°C

Cables

SFP+ Cables: 10GbE SFP+ to SFP+

	CBL-0347L 100cm (39.4")		CBL-NTWK-0456 200cm (78.7")
	CBL-0348L 300cm (118.1")		CBL-0349L 500cm (196.9")
	CBL-NTWK-0347 100cm (39.4"), Passive Copper Cable Push Type		CBL-NTWK-0456 200cm (78.7"), Passive Copper Cable Push Type
			CBL-SFP+AOC-1M 100cm (39.4"), Active Optical Cable 850 nm SFF-8431
			CBL-SFP+AOC-3M 300cm (118.1"), Active Optical Cable 850 nm SFF-8431
			CBL-SFP+AOC-5M 500cm (196.9"), Active Optical Cable 850 nm SFF-8431

QSFP Cables: 40GbE QSFP to QSFP ODR

	CBL-NTWK-0417-01 100cm (39.8")		CBL-NTWK-0325-02 200cm (78.7")
	CBL-NTWK-0446-01 300cm (118.1")		CBL-NTWK-0422-01 500cm (196.9")
	CBL-0467L 700cm (275.6")		
	CBL-QSFP+AOC-1M 100cm (39.8")		
	CBL-QSFP+AOC-3M 300cm (118.1")		
	CBL-QSFP+AOC-5M 500cm (196.9")		
	CBL-QSFP+AOC-7M 700cm (275.6")		
	CBL-QSFP+AOC-10M 1000cm (393.7")		

FDR Cables: 56GbE QSFP+ to QSFP+ FDR

	CBL-0490L 100cm (39.4")		CBL-0496L 300cm (118.1")
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InfiniBand CX4 Cables

	CBL-0474L 100cm (39.4") CX4 to CX4		CBL-0389L 300cm (118.1") to CX4	CX4
	CBL-0475L 1200cm (472.4") CX4 to CX4		CBL-0324L 200cm (78.8") QSFP to INFINIBAND CX4	

SATA Cables: Straight to Straight

	CBL-0473L 21cm (8.3"), 30AWG
	CBL-0483L 29cm (11.4"), 30AWG
	CBL-0484L 55cm (21.7"), 30AWG
	CBL-0481L 81cm (31.9"), 30AWG

SATA Cables: Straight to Right Angle

	CBL-SAST-0639 31cm (12.2")
	CBL-SAST-0640 38cm (15")
	CBL-SAST-0641 45cm (17.7")
	CBL-0488L 55cm (21.7"), 30AWG
	CBL-0489L 70cm (27.6"), 30AWG

40GbE QSFP+ to 4x 10GbE SFP+

	CBL-NTWK-0719 Passive, 1M, 30AWG
	CBL-NTWK-0720 Passive, 3M, 30AWG
	CBL-NTWK-0721 Passive, 5M, 25AWG

NOTE: All cables are PB free.
SB = Sideband
RA = Right Angle
M = Male
LP = Comes with low profile bracket

S = Straight
iPASS = Internal MiniSAS
F = Female
RF = Reverse Fanout (Cross Over)

Internal MiniSAS to 4 SATA

	CBL-0118L-03 23cm, w/ 25.5cm SB, S, 30AWG		CBL-0097L-03 50cm, w/ 50cm SB, S, 30AWG
	CBL-0287L-01 43/43/33/33cm, w/ 43cm SB, RA, 30AWG		CBL-0388L-01 90/90/75/75cm w/ 75cm SB, RA, 30AWG

Internal MiniSAS to 4 SATA Cross Over



	CBL-0294L-02 58cm, w/ 58cm SB, S, 30AWG
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Internal & External MiniSAS Cables

	CBL-0109L-02 22cm (8.7"), iPASS to iPASS Cable, 26AWG
	CBL-0108L-02 39cm (15.4"), iPASS to iPASS Cable, 26AWG
	CBL-0421L 55cm (21.7"), iPASS to iPASS Cable
	CBL-0281L-01 75cm (29.5"), iPASS to iPASS Cable, 30AWG
	CBL-0463L 50cm (19.7"), External MiniSAS
	CBL-0166L 100cm (39.4"), External MiniSAS
	CBL-0171L 300cm (118.1"), External MiniSAS
	CBL-0394L 90cm (35.4"), iPASS to iPASS Cable, 26AWG
	CBL-0167L 61cm (24.0"), Ext(1F) to Int(1M)
	CBL-0168L(-LP) 66/61cm (26"/24"), Ext(2F) to Int(2M)
	CBL-0352L(-LP) 85cm (33.56"), Ext(2F)-to-Int(2M)
	CBL-0351L 85cm (33.5"), Ext(1F)-to-Int(1M)
	CBL-0386L 70cm/50cm (27.6"/19.7"), Ext(4F)-to-Int(4M)

New! MiniSAS HD Cables (up to 12Gbps)

Internal MiniSAS (iPASS) to MiniSAS HD Cables

	CBL-SAST-0507-01 80cm w/ SB, 30AWG
	CBL-SAST-0508-01 50cm w/ SB, 30AWG









Internal MiniSAS HD to MiniSAS HD Cables

	CBL-SAST-0531 80cm w/ SB, 30AWG
	CBL-SAST-0532 50cm w/ SB, 30AWG
	CBL-SAST-0568 35cm w/ SB, 30AWG
	CBL-SAST-0550 25cm w/ SB, 30AWG



External MiniSAS HD to External MiniSAS HD Cables

	CBL-SAST-0573 100cm w/ SB, 28AWG
	CBL-SAST-0690 200cm w/ SB, 28AWG
	CBL-SAST-0677 300cm w/ SB, 28AWG






Internal MiniSAS HD to 4 SATA Cables

	CBL-SAST-0664 20cm, 20cm SB, 30AWG
	CBL-SAST-0703 23/13/23/13cm, 30AWG
	CBL-SAST-0704 30/70/60/70cm, 30AWG
	CBL-SAST-0616 50cm, 50cm SB, 30AWG
	CBL-SAST-0699 75/75/90/90cm, 75cm SB, 28/30AWG
	CBL-SAST-0631 RF, 55cm, 55cm SB, 30AWG
	CBL-SAST-0591 RF, 75cm, 75cm SB, 30AWG
	CBL-SAST-0556 RF, RA 90/90, S 75/75cm, 75cm SB, 30AWG
	CBL-SAST-0759 12G, INT, 15cm, 15cm SB, 30AWG

Internal MiniSAS HD NVMe Cables

	CBL-SAST-0623 PCI-E NVMe SSD, 45cm, 30AWG
	CBL-SAST-0658 PCI-E NVMe SSD, 60cm, 30AWG
	CBL-SAST-0590 PCI-E NVMe SSD, 70cm, 30AWG
	CBL-SAST-0698 RA-RA reverse for PCI-E NVMe SSD, 10cm, 30AWG

Internal Oculink NVMe Cables

	CBL-SAST-0724 OCuLink v.80, INT, PCI-E NVMe SSD, 55CM, 34AWG
	CBL-SAST-0725 OCuLink v.80, INT, PCI-E NVMe SSD, 65CM, 34AWG
	CBL-SAST-0726 OCuLink v.80, INT, PCI-E NVMe SSD, 85CM, 34AWG
	CBL-SAST-0818 OCuLink v.91, INT, PCI-E NVMe SSD, 55CM, 34AWG
	CBL-SAST-0819 OCuLink v.91, INT, PCI-E NVMe SSD, 65CM, 34AWG
	CBL-SAST-0820 OCuLink v.91, INT, PCI-E NVMe SSD, 85CM, 34AWG

MicroLP Network Cards

FatTwin™ supports MicroLP Network Cards



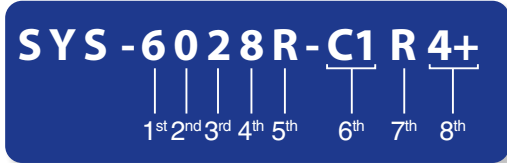
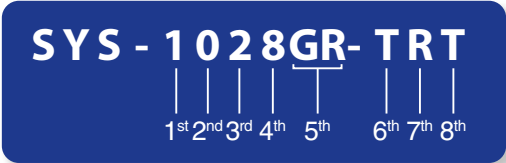
Model	AOC-CIBQ-m1	AOC-CIBF-m1	AOC-CTG-i2T	AOC-CTG-i2S	AOC-CTG-i1S	AOC-CGP-i2
Form Factor	MicroLP	MicroLP	2U MicroLP	MicroLP	MicroLP	MicroLP
Description	Single-port IB QDR/ 10G Ethernet	Single-port IB FDR/40G Ethernet	Dual-port 10GbE 10GBase-T	Dual-port 10GbE SFP+	Single-port 10GbE SFP+	Dual-port GbE
Interface	PCI-E 3.0 x8	PCI-E 3.0 x8	PCI-E 2.0 x8	PCI-E x8	PCI-E x8	PCI-E x4
Port	1 QSFP port / 2 USB ports	1 QSFP port / 2 USB ports	2 RJ45 ports	2 SFP+ ports / 2 USB ports	1 SFP+ port / 2 USB ports	2 RJ45 ports
Speed	40Gb/port (IB) or 10Gb/port (Ethernet)	56Gb/port (IB) or 40Gb/port (Ethernet)	10Gb/port	10Gb/port	10Gb/port	1Gb/port
Controller	Mellanox® ConnectX-3 QDR	Mellanox® ConnectX-3 FDR	Intel® X540	Intel® 82599ES	Intel® 82599EN	Intel® i350
Dimension (LxW) (without end brackets)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.8" x 3.0" (12.32 x 7.66cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)
F617R2-R72+ (FatTwin 8 Nodes)	Compatible with 1U bracket	Compatible with 1U bracket	N/A	Compatible with 1U bracket	Compatible with 1U bracket	Compatible with 1U bracket
F617R2-RT+* (FatTwin 8 Nodes)	Compatible with 1U bracket	Compatible with 1U bracket	N/A	Compatible with 1U bracket	Compatible with 1U bracket	Compatible with 1U bracket
F627R3-R72B+ (FatTwin 4 Nodes)	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket
F627R3-RTB+* (FatTwin 4 Nodes)	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 1U bracket	Compatible with 2U bracket
F627R2-RTB+* (FatTwin 4 Nodes)	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket
F627R2-RT+* (FatTwin 4 Nodes)	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket

Accessory Modules

MCP-240-42408-0N-PAC	Mounting bracket for the Intel® Xeon Phi™ co-processor card for configurations using the Xeon Phi™
MCP-220-93801-0B	HDD hot swap bracket that includes the 3.5" to 2.5" adapter plate
MCP-240-00134-0N	Adapter bracket to mount a 2.5" drive into an IO expansion slot
MCP-240-00131-1N	Adapter bracket to mount a 2.5" drive on to a 3.5" drive bay in the FatTwin Hadoop.
MCP-220-00044-0N	Adapter bracket to mount two 2.5" drives on to a 3.5" drive tray in the F617R3
SFT-OOB-LIC	License key for enabling OOB BIOS management
SFT-DCMS-Single	Datacenter Server Management Software Package

* Uses 2 right angle SATA cables (CBL-0231L)

Product Naming Guide



Servers with 2.5” Hard Drives

Character	Representation	Options
1st	Form Factor	1 = 1U 2 = 2U 3 = 3U 4 = 4U 5 = 5U
2nd	Reserved Digit	
3rd	Number of processor slots	1 = Single processor slot 2 = Dual processor slots 4 = Quad processor slots 8 = Oct processor slots (8 way server)
4th	System Generation	5 = X7 Series 6 = X8 Series 7 = X9 Series 8 = X10 Series
5th	Chipset	A = Atom B = Boxboro (X8) B = Brickland (X10) C = Clarksboro (X7) B = Bigby/Skt B2 C = Cougar Point(X9) G = GPU I = Foxhollow(X7) M = Mukilteo R = Romley / Socket R (X9 / X10) ST = Storage Server T = Tylersburg(X7) xT = x: platform (ex: T-Twin, G-GPU) U = Ultra
6th	HDD Interface	3 = SAS (Intel) 6 = SAS2 (Intel) 70 = SAS2 (Avago® 2008) 71 = SAS2 (Avago® 2108) 72 = SAS2 (Avago® 2208) 73 = SAS2 (Avago® 2308) 73J = SAS2 (Avago® 2308 IT mode) C0 = SAS3 (Avago® 3008) 12Gb C1 = SAS3 (Avago® 3108) 12Gb A = Workstation D = DCO E = Extension Slot with Riser H = Hot Swap, Six GPUs L = Low Cost M = Mini-Chassis P = Internal slot NT = SATA without UIO T = SATA U = UIO W = WIO N = NVMe
7th	Power Redundancy	R = Redundant power supply E = Expansion Slot
8th	Additional	+ = 18(X8)/24(X9)/32(X9 Quad) DIMM memory F = On board BMC (IPMI) T = 10 Gigabit Ethernet 2 = 2nd Generation GPU 4 = 4 Independent LAN ports

Servers with 3.5” Hard Drives

Character	Representation	Options
1st	Number of processor slots	5 = Single processor slot 6 = Dual processor slots 7 = Dual processor slots (Tower) 8 = Quad processor slots (4 way Server)
2nd	Reserved Digit	
3rd	Form Factor	1 = 1U 2 = 2U 3 = 3U 4 = 4U
4th	System Generation	5 = X7 Series 6 = X8 Series 7 = X9 Series 8 = X10 Series
5th	Chipset	A = Atom B = Boxboro (X8) B = Bigby/Skt B2(X9) B = Brickland (X10) C = Clarksboro (X7) C = Cougar Point(X9) G = GPU I = Foxhollow(X7) M = Mukilteo P = Pxx PR = X9 Twin Pro R = Romley/Socket R(X9/X10) S = Skylake ST = Storage Server T = Tylersburg TP = X10 Twin Pro TR = Twin R Socket xT = x: platform (ex: T-Twin, G-GPU); T: Tylersburg U = Ultra UT = EXDP Twin Pro UX = Hyperspeed
6th	HDD Interface	3 = Intel SAS 6 = Intel SAS2 70 = SAS2 (Avago® 2008) 71 = SAS2 (Avago® 2108) 72 = SAS2 (Avago® 2208) 73 = SAS2 (Avago® 2308) 73J = SAS2 (Avago® 2308 IT mode) C0 = SAS3 (Avago® 3008) 12Gbps C1 = SAS3 (Avago® 3108) 12Gbps A = Workstation D = Desktop, DCO E = Extension Slot with Riser H = Hot Swap L = Low Cost M = Mini-Chassis P = Internal slot NT = SATA without UIO T = SATA U = UIO W = WIO N = NVMe X = 11 Slots, Max IO
7th	Power Redundancy	R = Redundant Power Supply E = Expansion Slot
8th	Additional	+ = 18(X8)/24(X9)/32(X9 Quad) DIMM memory slots F = On board BMC (IPMI, no longer used with X10) P = 10G SFP+ T = 10 Gigabit Ethernet 4 = 4 Independent LAN ports

Mission Critical SuperServer® Solutions - The Supermicro Advantage

With advanced in-house server building block designs and uncompromising quality control, Supermicro's expert engineers have created a wide range of high-performance, high-reliability, and cost-effective solutions. Supermicro's first-to-market offerings provide fully optimized functionality, compatibility and a system integration "quality guarantee" for mission-critical applications.

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All Supermicro products are designed with the highest quality optimized components. To ensure customers peace of mind, all Supermicro Building Block Solutions® must pass a strict validation process, and our "one stop shop" capability will assure their business success. With the highest reliability and performance in mind Enterprise Level hard disk drives are a requirement for Supermicro systems.

Intel® Xeon® Processor E7/E5/E3/D and Atom™ Based Platforms

Supermicro's industry-leading line of Server Building Block Solutions® utilize the latest Intel processor designs including: Xeon® processor E5-2600/1600 v3 product families for standard servers; Atom™ processor for storage and microservers (Avoton); Xeon® processor E5-4600 v3, E7-8800/4800 v3, and E3-1200 v4/v3 product families. These multi-core based servers are loaded with features and engineered to perform with minimal power. The latest Intel® Xeon® processor E5-2600/1600 v3 product families delivers many new features over previous processor generations, including up to 36 processor cores per DP serverboard, 160W TDP, with additional performance and security features.

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In addition to providing High Quality and Reliable memory, Supermicro is also the leader in offering the next generation of industry standard memory module, 64GB LRDIMMs. The LRDIMM (Load-Reduced Dual In-line Memory Module) is the next generation of industry standard DDR4 DIMM for Servers and Workstations that offers increased capacity, up to 1.5TB in 24 DIMMs, and performance, up to 2133MHz.

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Supermicro achieves the highest storage density with the 4U SC847 Double-Sided Storage® JBOD solution featuring 90x 3.5" hot-swappable HDDs in 45 drive bays. Supermicro's innovative Double-Sided Storage® (SC417) provides extra high-density storage to maximize space and power efficiency. With support for up to 88x 2.5" HDDs in JBOD mode and 72x 2.5" HDDs in server mode, the SC417 provides direct hot-swap access to all the Storage Drives. Additional high value features include integrated SAS 3.0 that doubles the storage data transfer rate to 12.0 Gbps for the most advanced applications. The Supermicro SC847D Double-Sided Storage® offers an industry-leading 72 hot-swap 3.5" SAS2/SATA3 HDDs in 4U and the SC946ED 4U OpenCloud OpenStack storage system provides 90x 3.5" hot-swappable top-loading HDDs in 4U. Supermicro is among the first to provide NVMe support with up to 4x performance of SAS 3.0, on our SuperServer® solutions.

Latest Networking Solutions

Supermicro Building Block Solutions® include the most advanced onboard networking components such as QDR and FDR InfinBand, 40 Gigabit Ethernet, and both 10GBase-T and SFP+ 10 Gigabit Ethernet. These technologies allow Supermicro Building Block Solutions® to satisfy the most advanced customer networking needs.

Onboard Management (IPMI 2.0)

Many Supermicro X10/X9 motherboards now offer IPMI 2.0 capabilities onboard through a dedicated LAN with an option of shared LAN port to support both Virtual Media over LAN and KVM-over-LAN. This convenient remote management feature is provided through an onboard BMC (Baseboard Management Controller) that improves reliability and maintainability while reducing costs. The BMC provides additional Enterprise management functions such as BIOS firmware management, System Utilization (X10) and Asset Information (X10).

Hybrid CPU + GPU/Xeon Phi™ Supercomputing Systems

With supercomputer-level performance, these hybrid CPU + GPU/Xeon Phi™ supercomputing solutions are ideal for scientific computing, CAD/CAM, oil and gas exploration, medical imaging, and other computationally-intensive applications.

Advanced Power Saving Components

Supermicro's motherboards utilize high-end components such as high-efficiency VRMs optimized to reduce energy consumption. These energy-efficient designs make Supermicro an industry leader in performance-per-watt and per-dollar.

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Global SKUs are popular, high-volume Supermicro products designed for higher sustained inventory levels at Supermicro's global operations and logistics centers in the US, Asia, and Europe. Global SKUs are integrated locally within their region to minimize customers' transportation times, costs, and environmental impacts to help keep our Mother Earth Green.

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Supermicro is proud to rally a migration to earth-friendly server products that contain minimal amounts of hazardous substances. With the RoHS Directive changing the electronics industry worldwide, Supermicro produces environmentally safe products that meet or exceed RoHS requirements.

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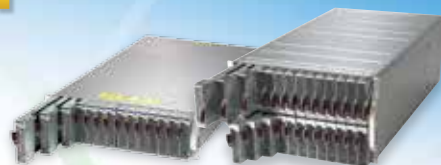


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3U/6U MicroBlade
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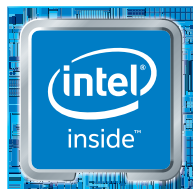
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