

# S5S+ TC

Let Hyperscalers meet your bespoke requirements.

Start customizing your S5S TC today.

- ✓ Scale up to four (4) independent server nodes in 2RU
- ✓ Up to 8 x Intel Xeon 2nd Generation Processors
- ✓ Flexible SATA SAS U.2 NVMe 2.5 options
- ✓ M2 Slot for OS or caching
- ✓ Flexible Networking option up to 8 x 100G or 16 x 25G ports in 2RU



Up to 8 U.2 NVMe



## The Power of Hyper Convergence

Faster socket interconnect, 1.5x memory bandwidth and 2x FLOPs peak performance capability with Intel® Xeon® Processor Scalable Family. Up to 440 vCPUs per server and 3.9x higher virtualized throughput compared with previous platform based on Intel® Xeon® processor E5.



Up to 7.68TB  
(512G\*12 DCPMM + 128G\*12 RDIMM/LRDIMM)

## Easy Service and Maintenance

Hot-pluggable PSU, FAN, HDD trays. Easy-swappable MB sleds spare technicians the need of removing the whole server chassis from the rack. Tool-less power distribution board (PDB) and fan cage modules minimize service down time.

## Better Space and Energy Utilization

Double compute density compared to regular 1U rackmount servers. Shared power supplies and cooling system further boosts resource utilization. Smart chassis management to distribute precise airflow and power to each node dynamically.

## About Hyperscalers

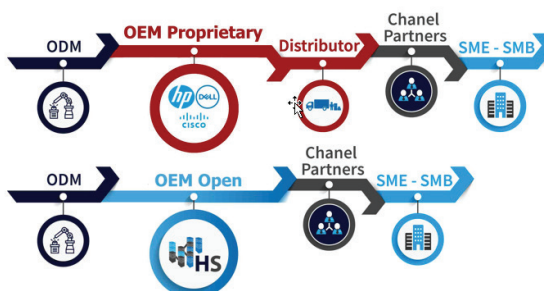
World's First Open OEM

Free Of Proprietary Software Lock-Ins

Free Of Proprietary Hardware Lock-Ins

US Stock Full US Warranty

100% Channel Distributor Metro Delivery 1-4 Days



## INSANELY FAST NVMe SSDs

PCIe x4

Higher Bandwidth

I/O

More IOPS



# S5S+ TC Specification

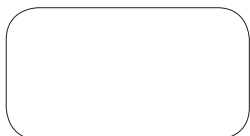
<b>Processor Type</b>	Intel®Xeon® Processor Scalable Family
<b>Max. TDP Support</b>	165W
<b>Number of Processors</b>	(2) per node
<b>Internal Interconnect</b>	9.6/10.4 GT/s
<b>Form Factor</b>	2U
<b>W x H x D (inch)</b>	17.48 x 3.44 x 31.1
<b>W x H x D (mm)</b>	444 x 87.5 x 790
<b>Chipset</b>	Intel® C621 Intel® C624
<b>Default Configuration</b>	2.5" Hot-plug 3.5" Hot-plug
<b>Storage</b>	Default Configuration: 2.5" Hot-plug Options: (16) 2.5" hot-plug SATA/SAS HDD/SSD + (8) 2.5" hot-plug U.2 HDD/SSD
<b>Total Slots</b>	(16) slots per node
<b>Capacity</b>	Up to 2TB (128Gx16) of memory for RDIMM/ LRDIMM per node Up to 3.58TB (512G*4 DCPMM + 128G*12 RDIMM/LRDIMM) in specific condition
<b>Memory Type</b>	2666 MHz DDR4 RDIMM 2933Mhz DDR4 RDIMM/LRDIMM Up to (4) 2666Mhz Intel® Optane™ DC Persistent Memory (DCPMM) per node
<b>Memory Size</b>	64GB, 32GB, 16GB, 8GB RDIMM 16G, 32G, 64G 2933Mhz RDIMM/LRDIMM '128G, 256G, 512G Intel DCPMM (Refer to CCL)
<b>Default Configuration</b>	(1) PCIe Gen3 x16 LP MD-2 (1) PCIe Gen3 x8 for SAS Mezz (1) PCIe Gen3 x16 for OCP Mezz (1) PCIe Gen3 x2 for 2280/22110 M.2
<b>Optional NIC</b>	Quanta Intel® X527 10G SFP+ dual/quad-port OCP PHY mezzanine or Quanta Intel® X557 10G RJ45 dual/quad-port OCP PHY mezzanine or Quanta Intel® I357 1G RJ45 dual/quad-port OCP PHY mezzanine or (more options refer to the CCL)

<b>Front I/O</b>	(1) USB 2.0 per node
<b>Onboard</b>	Intel® C621 or C624: 4x sSATA 6Gb/s ports 2x SATA 6Gb/s ports SATA RAID 0, 1, 10
<b>Optional Controller</b>	Quanta Broadcom® 3008A-IR 12Gb/s SAS mezzanine, RAID 0,1,10 Quanta Broadcom® 3008A-IR 12Gb/s SAS mezzanine, RAID 0,1,10 Quanta Broadcom® 3108A 12Gb/s RAID mezzanine, RAID 0, 1, 5, 10, 50, 60. (Coming soon)
<b>Power Supply</b>	Option 1: (2) High efficiency hot-plug 1600W PSU, 80 Plus Platinum Option 2: (2) High efficiency hot-plug 2200W PSU, 80 Plus Platinum
<b>Onboard Storage</b>	Option 1: (1) PCIe M.2 per node Option 2: (1) SATA M.2 per node
<b>Fan</b>	(4) system fans
<b>Video</b>	Integrated ASPEED AST2500 8MB DDR4 video memory
<b>System Management</b>	Redfish v1.1 IPMI v2.0 Compliant, on board "KVM over IP" support QCT System Manager (QSM) v1.8 (Optional)
<b>Rear I/O</b>	(2) USB 3.0 ports per node (1) VGA port per node (1) Micro USB port per node (1) 10/100/1000 RJ45 management port per node
<b>Operating Environment</b>	Operating temperature: 5°C to 35°C (41°F to 95°F) Non-operating temperature: -40°C to 70°C (-40°F to 158°F) Operating relative humidity: 20% to 85%RH. Non-operating relative humidity: 10% to 95%RH
<b>TPM</b>	TPM 2.0
<b>Weight (Max. Configuration)</b>	39.3 kg / (86.64 lb)

## Qualified Operating Systems



Authorised  
Hyperscalers  
Partner



## About Hyperscalers

Hyperscalers is the world's first open Original Equipment Manufacturer offering proprietary-free alternative to traditional Tier 1 OEM vendors.

Hereto to solve Information technology's complexity, Hyperscalers developed the IP Appliance Design Process. Which is basically a process along with a utility, being the Appliance Optimizer Utility, which together, assists service providers 'productize' delivery of their Digital-IP.

## Technology Partners



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