

- ✓ CPU
- ✓ DRAM Memory Module
- ✓ Graphics Card
- ✓ Hard Drive
- ✓ Industrial Display
- ✓ Keyboard & Mouse
- ✓ Power Supply
- ✓ RAID Controller
- ✓ Software
- ✓ Solid State Drive

Advantech Certified Peripherals

Your Ultimate Sourcing Partner



ADVANTECH

Enabling an Intelligent Planet

www.advantech.com

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About Advantech Certified Peripherals

Advantech Certified Peripherals, Your Ultimate Sourcing Partner, also enables the Advantech intelligent solution. With more than 30 professional procurement specialists around the world, we have a very well-organized global procurement network and logistic infrastructure. We are capable of sourcing the best price in the world, as well as delivering products to customers within the shortest time.

With a full line of products, Advantech Certified Peripherals can provide everything that you need to build a system or solution. If the item is not covered by our standard product offerings, our regional purchasing specialists can help source any part based on a customer's specified vendor and product.

In short, the ultimate goal of us is to provide customers the most efficient services, the best quality products, and the shortest shipment lead time.



Premium Advantech Services



Global Procurement Services

With professional purchasing specialists assigned around the world, Advantech Certified Peripherals is able to provide immediate and real-time response to support customers from every corner of the globe.



Regional Warehouse Centers

Advantech Certified Peripherals has regional inventory in China, the United States, Europe, Taiwan, Korea, Japan, Singapore, and Australia, providing prompt and efficient order delivery service.



One-Stop Shopping Services

To eliminate multiple sourcing, complex operations, higher costs in freight charges, and potential compatibility issues, Advantech Certified Peripherals offers customers a “One-stop Shopping” solution, where customers can purchase compatible peripherals based on selected motherboards, bare-bones, and semi-finished systems.



Inventory Consignment Services

For customer convenience, Advantech Certified Peripherals offers inventory consignment services at a very limited cost. Customers can temporarily place their system components in an Advantech warehouse to save freight costs for a period agreed upon by both parties.



Additional Procurement Services

Advantech Certified Peripherals can provide special procurement services to customers. For example, we can do LTB (Last Time Buy) inventory reservation in regional warehouses, special sourcing for customized parts, customized tooling, customized color repaint and customized system configuration validation services.



Vendor Relationship Management

Advantech Certified Peripherals have partnered with more than a hundred manufacturers and vendors around the world and received direct support from some of the biggest players in the industry including Intel, Seagate, Western Digital, and Transcend. We are committed to maintain long-term business relationships with them. We see ourselves as a bridge between vendors and customers, helping them reach new territories, extend their customer base, and increase their revenue. In addition, as Advantech continues to explore the Internet of Things and cloud computing solutions, we take vendors' products with us, helping them keep current with the latest trends in technology. We believe the synergy between vendors and Advantech Certified Peripherals will take things to a whole new level.

Benefits of becoming one of our vendors

- Reaching geographic locations where vendors might not have the resources on their own
- Increasing revenue and expanding customer base
- Introducing vendors' products, applications, and other solutions into the latest technology fields



Suppliers by Product Category

	CPU	DISPLAY SET	GRAPHICS CARD	HARD DRIVE	KEYBOARD	KVM	MEMORY MODULE	MOUSE	NETWORK CARD	OPTICAL DRIVE	POWER SUPPLY	RAID CONTROLLER	SOFTWARE	SOLID-STATE DRIVE	THERMAL MODULE	THERMAL PRINTER	TOUCH DISPLAY MODULE
ADATA							■							■			
AMD	■		■														
APACER							■							■			
AUO																	■
AUSTIN HUGES						■											
BROADCOM												■					
COOLER MASTER															■		
DELTA											■						
EDT																	■
FSP											■						
INNOLUX																	■
INTEL	■								■								
LITEON										■	■						
LG										■							■
LOGITECH					■			■									
MICROCHIP												■					
MICRON							■							■			
MICROSOFT													■				
MILDEX																	■
NVIDIA			■														
SAMSUNG							■							■			
SEAGATE				■													
SEWOO																■	
TOSHIBA				■													
TPV		■															
TPK		■															■
TRANSCEND							■							■			
TSC																■	
WESTERN DIGITAL														■			

• 01 •

ADVANTECH
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PERIPHERALS

Your Ultimate Sourcing Partner

CPU

Central Processor Unit

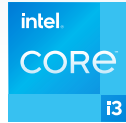


- Wide selection of Intel® processors
- Great Intel® performance for the most demanding tasks
- Advanced technology keeps products competitive and innovative
- Enterprise-ready with enhanced security

- Highest quality hardware and chipset support on the market
- Best value for long-term investment

CPU

Skylake-S



Product	96MPI3S-3.7-3M11T	96MPI5S-3.2-6M11T	96MPI5S-2.3-6M11T1	96MPI7S-3.4-8M11T
Product Description	Intel Core i3-6100 3.7G 3M 2 Core Processor	Intel Core i5-6500 3.2G 6M 4 Core Processor	Intel Core i5-6500TE 2.3G 6M 4 Core Processor	Intel Core i7-6700 3.4G 8M 4 Core Processor
Market	Desktop	Desktop	Embedded	Desktop
Manufacturer	Intel	Intel	Intel	Intel
Processor Number	Core i3-6100	Core i5-6500	Core i5-6500TE	Core i7-6700
Code Name	Skylake	Skylake	Skylake	Skylake
Socket Type	LGA1151	LGA1151	LGA1151	LGA1151
Processor Base Frequency	3.7 GHz	3.2 GHz	2.3 GHz	3.4 GHz
Bus Speed	8 GT/s	8 GT/s	8 GT/s	8 GT/s
Smart Cache	3 MB	6 MB	6 MB	8 MB
Cache Memory	3 MB	6 MB	6 MB	8 MB
Graphic Processor	Intel HD Graphics 530	Intel HD Graphics 530	Intel HD Graphic 530	Intel HD Graphics 530
Manufacturing Technology	14 nm	14 nm	14 nm	14 nm
sSpec	SR2HG	SR2L6	SR2LR	SR2L2
Thermal Design Power (TDP)	51 W	65 W	35 W	65 W
# of Cores	2	4	4	4
64 bit Support	Yes	Yes	Yes	Yes
Embedded	Yes	-	Yes	-
Package	Tray	Tray	Tray	Tray
Warranty	1 year	1 year	1 year	1 year

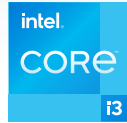
Kaby Lake-S



Product	96MPI5K-3.4-6M11T	96MPI7K-3.6-8M11T
Product Description	Intel Core i5-7500 3.4G 6M 4 Core Processor	Intel Core i7-7700 3.6G 8M 4 Core Processor
Market	Desktop	Desktop
Manufacturer	Intel	Intel
Processor Number	Core i5-7500	Core i7-7700
Code Name	Kaby Lake	Kaby Lake
Socket Type	LGA1151	LGA1151
Processor Base Frequency	3.4 GHz	3.6 GHz
Bus Speed	8 GT/s	8 GT/s
Smart Cache	6 MB	8 MB
Cache Memory	6 MB	8 MB
Graphic Processor	Intel® HD Graphics 630	Intel® HD Graphics 630
Manufacturing Technology	14 nm	14 nm
sSpec	SR335	SR338
Thermal Design Power (TDP)	65 W	65 W
# of Cores	4	4
64 bit Support	Yes	Yes
Embedded	Yes	Yes
Package	Tray	Tray
Warranty	1 year	1 year

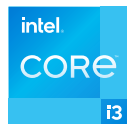
CPU

Coffee Lake-S



Product	96MPI3C-3.6-6M11T	96MPI5C-3.0-9M11T	96MPI7C-3.2-12M11T
Product Description	Intel Core i3-8100 3.6G 6M 4 Core Processor	Intel Core i5-8500 3G 9M 6 Core Processor	Intel Core i7-8700 3.2G 12M 6 Core Processor
Market	Desktop	Desktop	Desktop
Manufacturer	Intel	Intel	Intel
Processor Number	Core i3-8100	Core i5-8500	Core i7-8700
Code Name	Coffee Lake	Coffee Lake	Coffee Lake
Socket Type	LGA1151	LGA1151	LGA1151
Processor Base Frequency	3.6 GHz	3 GHz	3.2 GHz
Bus Speed	8 GT/s	8 GT/s	8 GT/s
Smart Cache	-	9 MB	-
Cache Memory	6 MB	9 MB	12 MB
Graphic Processor	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 630
Manufacturing Technology	14 nm	14 nm	14 nm
sSpec	SR3N5	SR3XE	SR3QS
Thermal Design Power (TDP)	65 W	65 W	65 W
# of Cores	4	6	6
64 bit Support	Yes	Yes	Yes
Embedded	Yes	Yes	Yes
Package	Tray	Tray	Tray
Warranty	1 year	1 year	1 year

Coffee Lake Refresh-S



Product	96MPI3CR-3.1-6M11T	96MPI5CR-3.0-9M11T	96MPI7CR-2.6-12M11
Product Description	Intel Core i3-9100E 3.1G 6M 4 Core Processor	Intel Core i5-9500E 3G 9M 6 Core Processor	Core i7-9700E 2.6G 12M 8 Core Processor
Market	Desktop	Desktop	Desktop
Manufacturer	Intel	Intel	Intel
Processor Number	Core i3-9100E	Core i5-9500E	Core i7-9700E
Code Name	Coffee Lake Refresh	Coffee Lake Refresh	Coffee Lake Refresh
Socket Type	LGA1151	LGA1151	LGA1151
Processor Base Frequency	3.1 GHz	3 GHz	2.6 GHz
Bus Speed	8 GT/s	8 GT/s	8 GT/s
Smart Cache	-	-	-
Cache Memory	6 MB	9 MB	12 MB
Graphic Processor	Intel UHD Graphics 610	Intel UHD Graphics 630	Intel UHD Graphics 630
Manufacturing Technology	14 nm	14 nm	14 nm
sSpec	RGQY	SRGQX	SRGDY
Thermal Design Power (TDP)	65 W	65 W	65 W
# of Cores	4	6	8
64 bit Support	Yes	Yes	Yes
Embedded	Yes	Yes	Yes
Package	Tray	Tray	Tray
Warranty	1 year	1 year	1 year

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

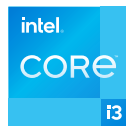
CPU

Comet Lake-S



Product	96MPI3CO-3.2-6M12	96MPI5CO-3.1-12M12	96MPI7CO-2.9-16M12	96MPI9CO-2.8-20M12
Product Description	Intel Core i3-10100E 3.2G 6M 4 Core Processor	Intel Core i5-10500E 3.1G 12M 6 Core Processor	Intel Core i7-10700E 2.9G 16M 8 Core Processor	Intel Core i9-10900E 2.8G 20M 10 Core Processor
Market	Desktop	Desktop	Desktop	Desktop
Manufacturer	Intel	Intel	Intel	Intel
Processor Number	Core i3-10100E	Core i5-10500E	Core i7-10700E	Core i9-10900E
Code Name	Comet Lake	Comet Lake	Comet Lake	Comet Lake
Socket Type	LGA1200	LGA1200	LGA1200	LGA1200
Processor Base Frequency	3.2 GHz	3.1 GHz	2.9 GHz	2.8 GHz
Bus Speed	8 GT/s	8 GT/s	8 GT/s	8 GT/s
Smart Cache	6 MB	12 MB	16 MB	20 MB
Cache Memory	-	-	-	-
Graphic Processor	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 630
Manufacturing Technology	14 nm	14 nm	14 nm	14 nm
sSpec	SRH6E	SRH6C	SRL6D	SRL6B
Thermal Design Power (TDP)	65 W	65 W	65 W	65 W
# of Cores	4	6	8	10
64 bit Support	Yes	Yes	Yes	Yes
Embedded	Yes	-	Yes	-
Package	Tray	Tray	Tray	Tray
Warranty	1 year	1 year	1 year	1 year

Alder Lake



Product	96MPI3A-3.2-12M17	96MPI5A-2.9-18M17	96MPI7A-2.1-25M17A	96MPI9A-2.3-30M17
Product Description	Intel Core i3-12100E 3.2G 12M 4 Core Processor	Intel Core i5-12500E 2.9G 18M 6 Core Processor	Intel Core i7-12700E 2.1G 25M 12 Core Processor	Intel Core i9-12900E 2.3G 30M 16 Core Processor
Market	Desktop	Desktop	Desktop	Desktop
Manufacturer	Intel	Intel	Intel	Intel
Processor Number	Core i3-12100E	Core i5-12500E	Core i7-12700E	Core i9-12900E
Code Name	Alder Lake	Alder Lake	Alder Lake	Alder Lake
Socket Type	LGA1700	LGA1700	LGA1700	LGA1700
Processor Base Frequency	3.20 GHz	2.90 GHz	2.10 GHz	2.30 GHz
Bus Speed	-	-	-	-
Smart Cache	12 MB	18 MB	25 MB	30 MB
Cache Memory	-	-	-	-
Graphic Processor	Intel® UHD Graphics 730	Intel® UHD Graphics 770	Intel® UHD Graphics 770	Intel® UHD Graphics 770
Manufacturing Technology	Intel 7	Intel 7	Intel 7	Intel 7
sSpec	SRL6U	SRL6W	SRL6D	SRL6B
Thermal Design Power (TDP)	60 W	65 W	65 W	65 W
# of Cores	4	6	12	16
64 bit Support	Yes	Yes	Yes	Yes
Embedded	Yes	Yes	Yes	Yes
Package	Tray	Tray	Tray	Tray
Warranty	1 year	1 year	1 year	1 year

CPU

Cascade Lake SP- Refresh

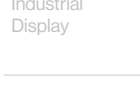
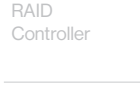
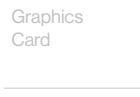


Product	96MPXCAR-2.4-13M36	96MPXCAR-2.4-16M36	96MPXCAR-2.1-35M36
Product Description	Intel Xeon Silver 4210R 2.4G 13.75M 10 Core Processor	Intel Xeon Silver 4214R 2.4G 16.5M 12 Core Processor	Intel Xeon Gold 6226R 2.9G 35M 16 Core Processor
Market	Server	Server	Server
Manufacturer	Intel	Intel	Intel
Processor Number	Xeon Silver 4210R	Xeon Silver 4214R	Xeon Gold 6226R
Code Name	Cascade Lake	Cascade Lake	Cascade Lake
Socket Type	FCLGA3647	FCLGA3647	FCLGA3647
Processor Base Frequency	2.4 GHz	2.4 GHz	2.9 GHz
Bus Speed	-	-	-
Smart Cache	-	-	-
Cache Memory	13.75 MB	16.5 MB	35 MB
Graphic Processor	-	-	-
Manufacturing Technology	14 nm	14 nm	14 nm
sSpec	SRG24	SRG1W	SRGZC
Thermal Design Power (TDP)	100 W	100 W	150 W
# of Cores	10	12	16
64 bit Support	Yes	Yes	Yes
Embedded	Yes	Yes	Yes
Package	Tray	Tray	Tray
Warranty	1 year	1 year	1 year

Ice Lake-SP



Product	96MPXI-2.1-18M41T	96MPXI-2.4-24M41T	96MPXI-2.3-30M41T
Product Description	Intel Xeon Silver 4310 2.1G 18M 12 Core Processor	Intel Xeon Silver 4314 2.4G 24M 16 Core Processor	Intel Xeon Silver 4316 2.3G 30M 20 Core Processor
Market	Server	Server	Server
Manufacturer	Intel	Intel	Intel
Processor Number	Xeon® Silver 4310	Xeon® Silver 4314	Xeon® Silver 4316
Code Name	Ice Lake-SP	Ice Lake-SP	Ice Lake-SP
Socket Type	LGA4189	LGA4189	LGA4189
Processor Base Frequency	2.10 GHz	2.40 GHz	2.30 GHz
Bus Speed	10.4 GT/s	10.4 GT/s	10.4 GT/s
Smart Cache	-	-	-
Cache Memory	18 MB	24 MB	30 MB
Graphic Processor	-	-	-
Manufacturing Technology	10 nm	10 nm	10 nm
sSpec	SRKXN	SRKXL	SRKXH
Thermal Design Power (TDP)	120 W	135 W	150 W
# of Cores	12	16	20
64 bit Support	Yes	Yes	Yes
Embedded	Yes	Yes	Yes
Package	Tray	Tray	Tray
Warranty	1 year	1 year	1 year

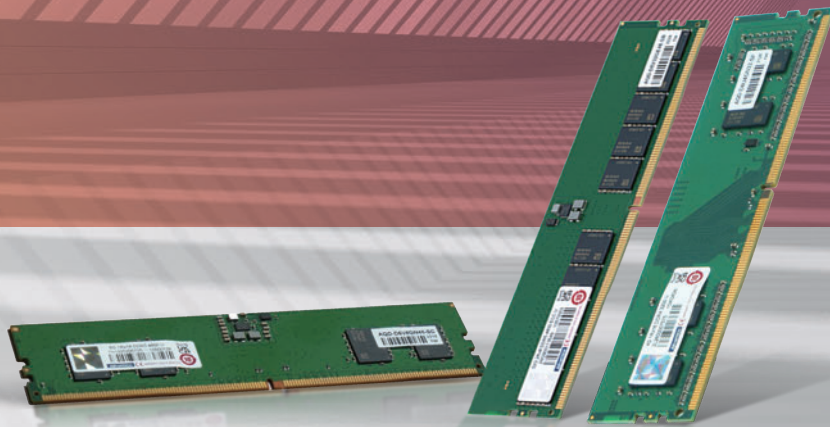


• 02 •

ADVANTECH
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Your Ultimate Sourcing Partner

DRAM Memory Module

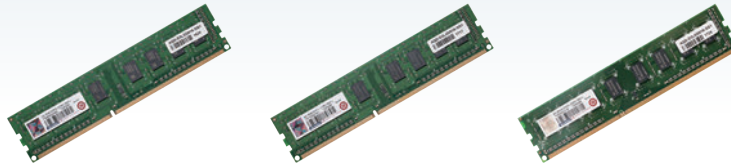


- Full range of RAM memory modules
- High standard quality assurance program
- Rigorous reliability and vibration tests
- Cross-checked, guaranteed compatibility

- Locked BOM and 3-year longevity
- Backed by lifetime warranty
- 30 μ " gold plating thickness Connector
- Built in anti-sulfur resistors feature

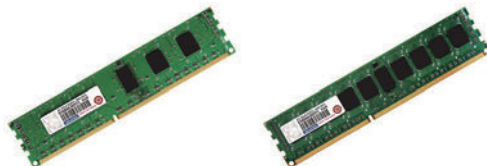
DRAM Memory Module

DDR3 Unbuffered



Product	AQD-D3L2GN16-SQ1	AQD-D3L4GN16-SG1	AQD-D3L8GN16-SG1
Product Description	Advantech 2G DDR3-1600 256MX8 Unbuffered Samsung Chip	Advantech 4G DDR3-1600 512MX8 Unbuffered Samsung Chip	Advantech 8G DDR3-1600 512MX8 Unbuffered Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	2 GB	4 GB	8 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	256M x 8	512M x 8	512M x 8
Rank	1 Rank	1 Rank	2 Rank
Interface	240 pin	240 pin	240 pin
Frequency	1600 Mhz	1600 Mhz	1600 Mhz
Voltage	1.35 V	1.35 V	1.35 V
PCB Height	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR3 Registered



Product	AQD-D3L4GR16-SG	AQD-D3L8GR16-SG
Product Description	Advantech 4G DDR3-1600 512MX8 Registered Samsung Chip	Advantech 8G DDR3-1600 512MX8 Registered Samsung Chip
Brand	Advantech	Advantech
Capacity	4 GB	8 GB
Chip Manufacturer	Samsung	Samsung
Chip Organization	512M x 8	512M x 8
Rank	1 Rank	2 Rank
Interface	240 pin	240 pin
Frequency	1600 Mhz	1600 Mhz
Voltage	1.35 V	1.35 V
PCB Height	1.18"	1.18"
Feature	Registered	Registered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

CPU

DRAM Memory Module

Solid State Drive

Hard Drive

Graphics Card

RAID Controller

Industrial Display

Power Supply

Keyboard & Mouse

Software

DRAM Memory Module

SO-DDR3 Unbuffered



Product	AQD-SD3L2GN16-SQ1	AQD-SD3L4GN16-SG1	AQD-SD3L8GN16-SG1
Product Description	Advantech 2G SO-DDR3-1600 256MX8 Unbuffered Samsung Chip	Advantech 4G SO-DDR3-1600 512MX8 Unbuffered Samsung Chip	Advantech 8G SO-DDR3-1600 512MX8 Unbuffered Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	2 GB	4 GB	8 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	256M x 8	512M x 8	512M x 8
Rank	1 Rank	1 Rank	2 Rank
Interface	204 pin	204 pin	204 pin
Frequency	1600 Mhz	1600 Mhz	1600 Mhz
Voltage	1.35 V	1.35 V	1.35 V
PCB Height	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR3 Unbuffered Wide Temp.



Product	AQD-SD3L4GN16-SGW	AQD-SD3L8GN16-SGW
Product Description	Advantech 4G SO-DDR3-1600 512MX8 Unbuffered Samsung Chip	Advantech 8G SO-DDR3-1600 512MX8 Unbuffered Samsung Chip
Brand	Advantech	Advantech
Capacity	4 GB	8 GB
Chip Manufacturer	Samsung	Samsung
Chip Organization	512M x 8	512M x 8
Rank	1 Rank	2 Rank
Interface	204 pin	204 pin
Frequency	1600 Mhz	1600 Mhz
Voltage	1.35 V	1.35 V
PCB Height	1.18"	1.18"
Feature	Unbuffered	Unbuffered
Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)

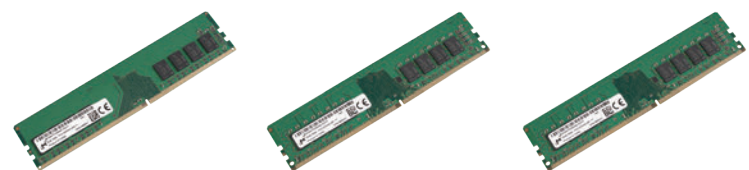
DRAM Memory Module

DDR4 Unbuffered



Product	AQD-D4U4GN32-SP	AQD-D4U8GN32-SE	AQD-D4U16GN32-SE	AQD-D4U32GN32-SB1
Product Description	Advantech 4GB DDR4-3200 512MX16 Unbuffered Samsung Chip	Advantech 8GB DDR4-3200 1GbX8 Unbuffered Samsung Chip	Advantech 16GB DDR4-3200 1GbX8 Unbuffered Samsung Chip	Advantech 32GB DDR4-3200 2GbX8 Unbuffered Samsung Chip
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	4 GB	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	512M x 16	1G x 8	1G x 8	2G x 8
Rank	1 Rank	1 Rank	2 Rank	2 Rank
Interface	288 pin	288 pin	288 pin	288 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V	1.2 V
PCB Height	1.18"	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR4 Unbuffered



Product	96D4-8G3200NN-M	96D4-16G3200NN-M	96D4-32G3200NN-M
Product Description	Micron 8GB DDR4-3200 1GbX8 Unbuffered	Micron 16GB DDR4-3200 2GbX8 Unbuffered	Micron 32GB DDR4-3200 2GbX8 Unbuffered
Brand	Micron	Micron	Micron
Capacity	8 GB	16 GB	32 GB
Chip Manufacturer	Micron	Micron	Micron
Chip Organization	1G x 8	2G x 8	2G x 8
Rank	1 Rank	2 Rank	2 Rank
Interface	288 pin	288 pin	288 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

CPU

DRAM Memory Module

Solid State Drive

Hard Drive

Graphics Card

RAID Controller

Industrial Display

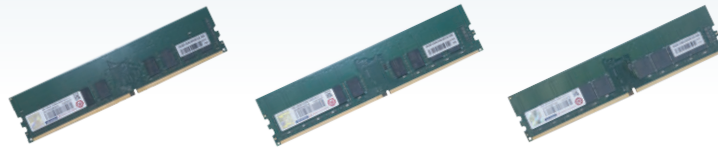
Power Supply

Keyboard & Mouse

Software

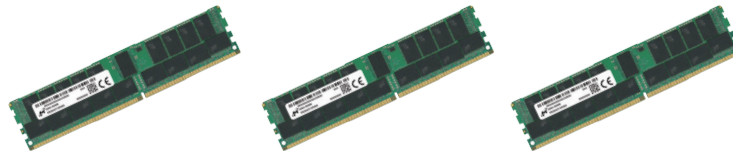
DRAM Memory Module

DDR4 ECC



Product	AQD-D4U8GE32-SE	AQD-D4U16GE32-SE	AQD-D4U32GE32-SB
Product Description	Advantech 8G DDR4-3200 1GbX8 ECC Samsung Chip	Advantech 16G DDR4-3200 1GbX8 ECC Samsung Chip	Advantech 32G DDR4-3200 2GbX8 ECC Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1G x 8	1G x 8	2G x 8
Rank	1 Rank	2 Rank	2 Rank
Interface	288 pin	288 pin	288 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.18"	1.18"	1.18"
Feature	ECC	ECC	ECC
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

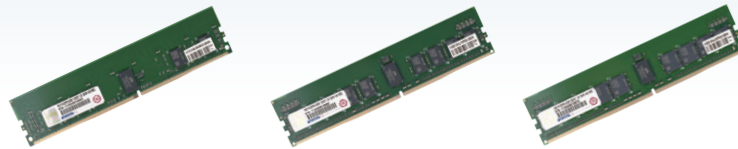
DDR4 Registered



Product	96D4-16G3200ER-MI1	96D4-32G3200ER-MI	96D4-64G3200ER-M2
Product Description	Micron 16G DDR4-3200 2GbX8 Registered	Micron 32G DDR4-3200 2GbX4 Registered	Micron 64G DDR4-3200 4GbX4 Registered
Brand	Micron	Micron	Micron
Capacity	16 GB	32 GB	64 GB
Chip Manufacturer	MICRON	MICRON	MICRON
Chip Organization	2G x 8	2G x 4	4G x 4
Rank	2 Rank	2 Rank	2 Rank
Interface	288 pin	288 pin	288 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.23"	1.23"	1.23"
Feature	Registered	Registered	Registered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

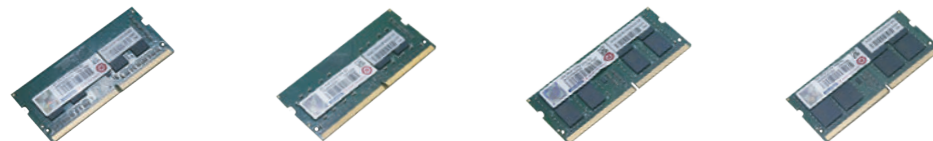
DRAM Memory Module

DDR4 Registered
Wide-Temp.



Product	AQD-D4U8GR32-SEW	AQD-D4U16R32-SEW	AQD-D4U32R32-SBW
Product Description	Advantech 8G DDR4-3200 1GbX8 Registered Samsung Chip	Advantech 16G DDR4-3200 1GbX8 Registered Samsung Chip	Advantech 32G DDR4-3200 2GbX8 Registered Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1G x 8	1G x 8	2G x 8
Rank	1 Rank	2 Rank	2 Rank
Interface	288 pin	288 pin	288 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.23"	1.23"	1.23"
Feature	Registered	Registered	Registered
Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)

SO-DDR4 Unbuffered



Product	AQD-SD4U4GN32-SP	AQD-SD4U8GN32-SE	AQD-SD4U16GN32-SE	AQD-SD4U32GN32-SB
Product Description	Advantech 4GB SO-DDR4-3200 512MX16 Unbuffered Samsung Chip	Advantech 8GB SO-DDR4-3200 1GbX8 Unbuffered Samsung Chip	Advantech 16GB SO-DDR4-3200 1GbX8 Unbuffered Samsung Chip	Advantech 32GB SO-DDR4-3200 2GbX8 Unbuffered Samsung Chip
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	4 GB	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	512M x 16	1G x 8	1G x 8	2G x 8
Rank	1 Rank	1 Rank	2 Rank	2 Rank
Interface	260 pin	260 pin	260 pin	260 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V	1.2 V
PCB Height	1.18"	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

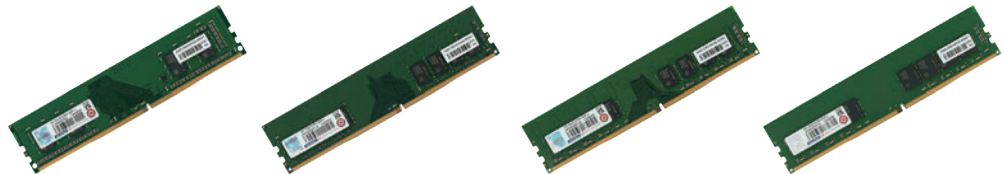
DRAM Memory Module

SO-DDR4 ECC



Product	AQD-SD4U8GE32-SE	AQD-SD4U16GE32-SE	AQD-SD4U32GE32-SB
Product Description	Advantech 8G SO-DDR4-3200 1GbX8 ECC Samsung Chip	Advantech 16G SO-DDR4-3200 1GbX8 ECC Samsung Chip	Advantech 32G SO-DDR4-3200 2GbX8 ECC Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1G x 8	1G x 8	2G x 8
Rank	1 Rank	2 Rank	2 Rank
Interface	260 pin	260 pin	260 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.18"	1.18"	1.18"
Feature	ECC	ECC	ECC
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR4 Unbuffered
Wide-Temp.



Product	AQD-D4U4GN32-SPW1	AQD-D4U8GN32-SEW1	AQD-D4U16N32-SEW1	AQD-D4U32N32-SBW1
Product Description	Advantech 4G DDR4-3200 512MX16 Unbuffered Samsung Chip	Advantech 8G DDR4-3200 1GbX8 Unbuffered Samsung Chip	Advantech 16G DDR4-3200 1GbX8 Unbuffered Samsung Chip	Advantech 32G DDR4-3200 2GbX8 Unbuffered Samsung Chip
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	4 GB	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	512M x 16	1G x 8	1G x 8	2G x 8
Rank	1 Rank	1 Rank	2 Rank	2 Rank
Interface	288 pin	288 pin	288 pin	288 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V	1.2 V
PCB Height	1.23"	1.23"	1.23"	1.23"
Feature	Unbuffered	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)

DRAM Memory Module

SO-DDR4 Unbuffered
Wide-Temp.



Product	AQD-SD4U4GN32-SPW1	AQD-SD4U8GN32-SEW1	AQD-SD4U16N32-SEW1	AQD-SD4U32N32-SBW1
Product Description	Advantech 4G SO-DDR4-3200 512MX16 Unbuffered Samsung Chip	Advantech 8G SO-DDR4-3200 1GbX8 Unbuffered Samsung Chip	Advantech 16G SO-DDR4-3200 1GbX8 Unbuffered Samsung Chip	Advantech 32G SO-DDR4-3200 2GbX8 Unbuffered Samsung Chip
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	4 GB	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	512M x 16	1G x 8	1G x 8	2G x 8
Rank	1 Rank	1 Rank	2 Rank	2 Rank
Interface	260 pin	260 pin	260 pin	260 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V	1.2 V
PCB Height	1.18"	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)

DDR4 ECC
Wide-Temp.



Product	AQD-D4U8GE32-SEW	AQD-D4U16E32-SEW	AQD-D4U32E32-SBW
Product Description	Advantech 8G DDR4-3200 1GbX8 ECC Samsung Chip	Advantech 16G DDR4-3200 1GbX8 ECC Samsung Chip	Advantech 32G DDR4-3200 2GbX8 ECC Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1G x 8	1G x 8	2G x 8
Rank	1 Rank	2 Rank	2 Rank
Interface	288 pin	288 pin	288 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.23"	1.23"	1.23"
Feature	ECC	ECC	ECC
Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

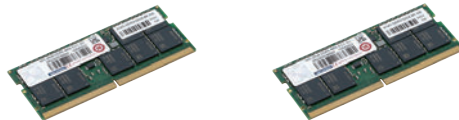
DRAM Memory Module

SO-DDR4 ECC
Wide-Temp.



Product	AQD-SD4U8GE32-SEW	AQD-SD4U16E32-SEW	AQD-SD4U32E32-SBW
Product Description	Advantech 8G SO-DDR4-3200 1GbX8 ECC Samsung Chip	Advantech 16G SO-DDR4-3200 1GbX8 ECC Samsung Chip	Advantech 32G SO-DDR4-3200 2GbX8 ECC Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1G x 8	1G x 8	2G x 8
Rank	1 Rank	2 Rank	2 Rank
Interface	260 pin	260 pin	260 pin
Frequency	3200 Mhz	3200 Mhz	3200 Mhz
Voltage	1.2 V	1.2 V	1.2 V
PCB Height	1.18"	1.18"	1.18"
Feature	ECC	ECC	ECC
Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)

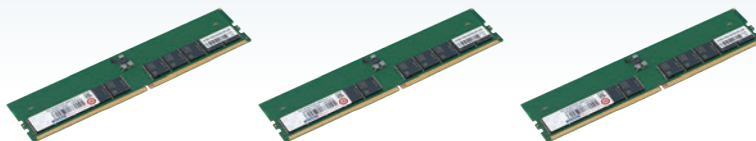
SO-DDR5 ECC



Product	AQD-SD5V16GE48-SB	AQD-SD5V32GE48-SB
Product Description	Advantech 16GB SO-DDR5-4800 2GbX8 ECC Samsung Chip	Advantech 32GB SO-DDR5-4800 2GbX8 ECC Samsung Chip
Brand	Advantech	Advantech
Capacity	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung
Chip Organization	2G x 8	2G x 8
Rank	2 Rank	2 Rank
Interface	288 pin	288 pin
Frequency	4800 Mhz	4800 Mhz
Voltage	1.1 V	1.1 V
PCB Height	1.23"	1.23"
Feature	ECC	ECC
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DRAM Memory Module

DDR5 Unbuffered



Product	AQD-D5V8GN48-SC	AQD-D5V16GN48-SB	AQD-D5V32GN48-SB
Product Description	Advantech 8GB DDR5-4800 1GbX16 Unbuffered Samsung Chip	Advantech 16GB DDR5-4800 2GbX8 Unbuffered Samsung Chip	Advantech 32GB DDR5-4800 2GbX8 Unbuffered Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1G x 16	2G x 8	2G x 8
Rank	1 Rank	2 Rank	2 Rank
Interface	288 pin	288 pin	288 pin
Frequency	4800 Mhz	4800 Mhz	4800 Mhz
Voltage	1.1 V	1.1 V	1.1 V
PCB Height	1.23"	1.23"	1.23"
Feature	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR5 Unbuffered



Product	AQD-D5V8GN56-HC	AQD-D5V16GN56-HB	AQD-D5V32GN56-HB
Product Description	Advantech 8G DDR5-5600 1GbX16 Unbuffered Hynix Chip	Advantech 16G DDR5-5600 2GbX8 Unbuffered Hynix Chip	Advantech 32G DDR5-5600 2GbX8 Unbuffered Hynix Chip
Brand	Advantech	Advantech	Advantech
Capacity	8 GB	16 GB	32 GB
Chip Manufacturer	Hynix	Hynix	Hynix
Chip Organization	1G x 16	2G x 8	2G x 8
Rank	1 Rank	1 Rank	2 Rank
Interface	288 pin	288 pin	288 pin
Frequency	5600 Mhz	5600 Mhz	5600 Mhz
Voltage	1.1 V	1.1 V	1.1 V
PCB Height	1.23"	1.23"	1.23"
Feature	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

CPU

DRAM Memory Module

Solid State Drive

Hard Drive

Graphics Card

RAID Controller

Industrial Display

Power Supply

Keyboard & Mouse

Software

DRAM Memory Module

DDR5 Unbuffered



Product	AQD-SD5V8GN48-SC	AQD-SD5V16GN48-SB	AQD-SD5V32GN48-SB
Product Description	Advantech 8GB SO-DDR5-4800 1GbX16 Unbuffered Samsung Chip	Advantech 16GB SO-DDR5-4800 2GbX8 Unbuffered Samsung Chip	Advantech 32GB SO-DDR5-4800 2GbX8 Unbuffered Samsung Chip
Brand	Advantech	Advantech	Advantech
Capacity	8 GB	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1G x 16	2G x 8	2G x 8
Rank	1 Rank	2 Rank	2 Rank
Interface	288 pin	288 pin	288 pin
Frequency	4800 Mhz	4800 Mhz	4800 Mhz
Voltage	1.1 V	1.1 V	1.1 V
PCB Height	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

SO-DDR5 Unbuffered



Product	AQD-SD5V8GN56-HC	AQD-SD5V16GN56-HB	AQD-SD5V32GN56-HB
Product Description	Advantech 8G DDR5-5600 1GbX16 Unbuffered Hynix Chip	Advantech 16G DDR5-5600 2GbX8 Unbuffered Hynix Chip	Advantech 32G DDR5-5600 2GbX8 Unbuffered Hynix Chip
Brand	Advantech	Advantech	Advantech
Capacity	8 GB	16 GB	32 GB
Chip Manufacturer	Hynix	Hynix	Hynix
Chip Organization	1G x 16	2G x 8	2G x 8
Rank	1 Rank	1 Rank	2 Rank
Interface	262 pin	262 pin	262 pin
Frequency	5600 Mhz	5600 Mhz	5600 Mhz
Voltage	1.1 V	1.1 V	1.1 V
PCB Height	1.18"	1.18"	1.18"
Feature	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DRAM Memory Module

DDR5 ECC



Product	AQD-D5V16GE48-SB	AQD-D5V32GE48-SB
Product Description	Advantech 16G DDR5-4800 2GbX8 ECC Samsung Chip	Advantech 32G DDR5-4800 2GbX8 ECC Samsung Chip
Brand	Advantech	Advantech
Capacity	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung
Chip Organization	2G x 8	2G x 8
Rank	2 Rank	2 Rank
Interface	288 pin	288 pin
Frequency	4800 Mhz	4800 Mhz
Voltage	1.1 V	1.1 V
PCB Height	1.18"	1.18"
Feature	ECC	ECC
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR5 Registered



Product	AQD-D5V16GR48-SB	AQD-D5V32GR48-SB
Product Description	Advantech 16G DDR5-4800 2GbX8 Registered Samsung Chip	Advantech 32G DDR5-4800 2GbX8 Registered Samsung Chip
Brand	Advantech	Advantech
Capacity	16 GB	32 GB
Chip Manufacturer	Samsung	Samsung
Chip Organization	2G x 8	2G x 8
Rank	2 Rank	2 Rank
Interface	288 pin	288 pin
Frequency	4800 Mhz	4800 Mhz
Voltage	1.1 V	1.1 V
PCB Height	1.23"	1.23"
Feature	Registered	Registered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

CPU

DRAM Memory Module

Solid State Drive

Hard Drive

Graphics Card

RAID Controller

Industrial Display

Power Supply

Keyboard & Mouse

Software

• 03 •

ADVANTECH
CERTIFIED
PERIPHERALS

Your Ultimate Sourcing Partner

Solid State Drive



- Top of the market best-selling optical drive brands
- World class electronic performance architecture
- Easy installation and user friendly operating interface
- Handles all kinds of media and formats

- Excellent read and write speeds with SATA 3.0 Gb/s interface
- High reliability and durability perfect for intensive use

SSD

Enterprise SSD



Product	96FD25-ST480-M54P	96FD25-ST960-M54P	96FD25-ST1.9T-M54P	96FD25-ST3.8T-M54P
Product Description	Micron 5400PRO 480GB 2.5" SATA III TLC SSD	Micron 5400PRO 960GB 2.5" SATA III TLC SSD	Micron 5400PRO 1.9TB 2.5" SATA III TLC SSD	Micron 5400PRO 3.8TB 2.5" SATA III TLC SSD
Manufacturer	Micron	Micron	Micron	Micron
Capacity	480 GB	960 GB	1.9 TB	3.8 TB
Form Factor	2.5"	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	540 MB/s	540 MB/s	540 MB/s	540 MB/s
Sequential Write Performance	350 MB/s	520 MB/s	520 MB/s	520 MB/s
Dimensions (W x H x D)	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.
MTBF (hours)	3000000	3000000	3000000	3000000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC
Warranty	5 years	5 years	5 years	5 years

Enterprise SSD



Product	96FD25-ST480-M54M	96FD25-ST960-M54M
Product Description	Micron 5400MAX 480GB 2.5" SATA III TLC SSD	Micron 5400MAX 960GB 2.5" SATA III TLC SSD
Manufacturer	Micron	Micron
Capacity	480 GB	960 GB
Form Factor	2.5"	2.5"
Interface	SATA III	SATA III
Sequential Read Performance	540 MB/s	540 MB/s
Sequential Write Performance	520 MB/s	520 MB/s
Dimensions (W x H x D)	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.
MTBF (hours)	3000000	3000000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC
Warranty	5 years	5 years

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

SSD

2.5" (KIOXIA SSSTC)
Semi Wide-Temp.



Product	96FD25-S128-TS	96FD25-S256-TS	96FD25-S512-TS	96FD25-S1TB-TS
Product Description	KIOXIA SSSTC 128GB 2.5" SATA III TLC SSD	KIOXIA SSSTC 256GB 2.5" SATA III TLC SSD	KIOXIA SSSTC 512GB 2.5" SATA III TLC SSD	KIOXIA SSSTC 1TB 2.5" SATA III TLC SSD
Manufacturer	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC
Capacity	128 GB	256 GB	512 GB	1 TB
Form Factor	2.5"	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	550 MB/s	550 MB/s	550 MB/s	550 MB/s
Sequential Write Performance	380 MB/s	470 MB/s	510 MB/s	510 MB/s
Dimensions (W x H x D)	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.
MTBF (hours)	1500000	1500000	1500000	1500000
Operating Temperature	-25 ~ 85 °C (-13 ~ 185°F)	-25 ~ 85 °C (-13 ~ 185°F)	-25 ~ 85 °C (-13 ~ 185°F)	-25 ~ 85 °C (-13 ~ 185°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC
Warranty	3 years	3 years	3 years	3 years

2.5" (Transcend)



Product	96FD25-S032-TR71	96FD25-S064-TR71	96FD25-S128-TR71	96FD25-S256-TR71
Product Description	Transcend 32GB 2.5" SATA III MLC SSD	Transcend 64GB 2.5" SATA III MLC SSD	Transcend 128GB 2.5" SATA III MLC SSD	Transcend 256GB 2.5" SATA III MLC SSD
Manufacturer	Transcend	Transcend	Transcend	Transcend
Capacity	32 GB	64 GB	128 GB	256 GB
Form Factor	2.5"	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	290 MB/s	550 MB/s	550 MB/s	550 MB/s
Sequential Write Performance	60 MB/s	140 MB/s	440 MB/s	440 MB/s
Dimensions (W x H x D)	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.	100 x 70 x 7 mm / 3.937 x 2.756 x 0.276 in.
MTBF (hours)	1500000	1500000	1500000	1500000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type (SLC/MLC/TLC)	MLC	MLC	MLC	MLC
Warranty	3 years	3 years	3 years	3 years

SSD

2.5" (Micron/Crucial)



Product	96FD25-S500-MX	96FD25-S1TB-MX	96FD25-S2TB-MX	96FD25-S4TB-MX
Product Description	Micron/Crucial MX500 500G 2.5" SATA III TLC SSD	Micron/Crucial MX500 1TB 2.5" SATA III TLC SSD	Micron/Crucial MX500 2TB 2.5" SATA III TLC SSD	Micron/Crucial MX500 4TB 2.5" SATA III TLC SSD
Manufacturer	Micron	Micron	Micron	Micron
Capacity	500 GB	1 TB	2 TB	4 TB
Form Factor	2.5"	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	560 MB/s	560 MB/s	560 MB/s	560 MB/s
Sequential Write Performance	510 MB/s	510 MB/s	510 MB/s	510 MB/s
Dimensions (W x H x D)	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.
MTBF (hours)	1500000	1500000	1500000	1500000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC
Warranty	3 years	3 years	3 years	3 years

2.5" (Transcend)
Wide Temp.



Product	96FD25-S032-ITR4	96FD25-S064-ITR4	96FD25-S128-ITR4	96FD25-S256-ITR4
Product Description	Transcend 32GB 2.5" SATA III MLC SSD	Transcend 64GB 2.5" SATA III MLC SSD	Transcend 128GB 2.5" SATA III MLC SSD	Transcend 256GB 2.5" SATA III MLC SSD
Manufacturer	Transcend	Transcend	Transcend	Transcend
Capacity	32 GB	64 GB	128 GB	256 GB
Form Factor	2.5"	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	280 MB/s	560 MB/s	570 MB/s	570 MB/s
Sequential Write Performance	50 MB/s	110 MB/s	210 MB/s	400 MB/s
Dimensions (W x H x D)	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.
MTBF (hours)	1500000	1500000	1500000	1500000
Operating Temperature	-40 ~ 90°C (-40 ~ 194°F)	-40 ~ 90°C (-40 ~ 194°F)	-40 ~ 90°C (-40 ~ 194°F)	-40 ~ 90°C (-40 ~ 194°F)
NAND Type (SLC/MLC/TLC)	MLC	MLC	MLC	MLC
Warranty	3 years	3 years	3 years	3 years

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

SSD

2.5" (Transcend)



Product	96FD25-S512-ITR4	96FD25-S1TB-ITR4
Product Description	Transcend 512GB 2.5" SATA III MLC SSD	Transcend 1TB 2.5" SATA III MLC SSD
Manufacturer	Transcend	Transcend
Capacity	512 GB	1 TB
Form Factor	2.5"	2.5"
Interface	SATA III	SATA III
Sequential Read Performance	570 MB/s	570 MB/s
Sequential Write Performance	470 MB/s	470 MB/s
Dimensions (W x H x D)	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 in.
MTBF (hours)	1500000	1500000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type (SLC/MLC/TLC)	MLC	MLC
Warranty	3 years	3 years

mSATA



Product	96FD-ST064-AD316N	96FD-ST128-AD316N	96FD-ST256-AD316N	96FD-ST512-AD316N
Product Description	ADATA 64GB mSATA SATA III TLC SSD	ADATA 128GB mSATA SATA III TLC SSD	ADATA 256GB mSATA SATA III TLC SSD	ADATA 512GB mSATA SATA III TLC SSD
Manufacturer	ADATA	ADATA	ADATA	ADATA
Capacity	64 GB	128 GB	256 GB	512 GB
Form Factor	mSATA	mSATA	mSATA	mSATA
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	550 MB/s	550 MB/s	550 MB/s	550 MB/s
Sequential Write Performance	300 MB/s	500 MB/s	460 MB/s	470 MB/s
Dimensions (W x H x D)	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.
MTBF (hours)	1500000	1500000	1500000	1500000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC
Warranty	3 years	3 years	3 years	3 years

SSD

mSATA



Product	96FD-M032-TR72	96FD-M064-TR72	96FD-M128-TR72	96FD-M256-TR72
Product Description	Transcend 32G mSATA SATA III MLC SSD	Transcend 64G mSATA SATA III MLC SSD	Transcend 128G mSATA SATA III MLC SSD	Transcend 256G mSATA SATA III MLC SSD
Transcend	Transcend	Transcend	Transcend	Transcend
Capacity	32 GB	64 GB	128 GB	256 GB
Form Factor	mSATA	mSATA	mSATA	mSATA
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	280 MB/s	550 MB/s	550 MB/s	550 MB/s
Sequential Write Performance	50 MB/s	140 MB/s	260 MB/s	420 MB/s
Dimensions (W x H x D)	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.
MTBF (hours)	1500000	1500000	1500000	1500000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type (SLC/MLC/TLC)	MLC	MLC	MLC	MLC
Warranty	3 years	3 years	3 years	3 years

mSATA



Product	96FD-M512-TR72	96FD-M1TB-TR72
Product Description	Transcend 512G mSATA SATA III MLC SSD	Transcend 1TB mSATA SATA III MLC SSD
Manufacturer	Transcend	Transcend
Capacity	512 GB	1 TB
Form Factor	mSATA	mSATA
Interface	SATA III	SATA III
Sequential Read Performance	520 MB/s	550 MB/s
Sequential Write Performance	470 MB/s	450 MB/s
Dimensions (W x H x D)	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.	50.95 x 30 x 4 mm / 2.006 x 1.181 x 0.157 in.
MTBF (hours)	1500000	1500000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type (SLC/MLC/TLC)	MLC	MLC
Warranty	3 years	3 years

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

SSD

M.2 2242 (SATA)



Product	96FD42-ST064-AD33N	96FD42-ST128-AD33N	96FD42-ST512-AD33N
Product Description	ADATA 64GB M.2 2242 SATA III TLC SSD	ADATA 128GB M.2 2242 SATA III TLC SSD	ADATA 512GB M.2 2242 SATA III TLC SSD
Manufacturer	ADATA	ADATA	ADATA
Capacity	64 GB	128 GB	512 GB
Form Factor	M.2 2242	M.2 2242	M.2 2242
Interface	SATA III	SATA III	SATA III
Sequential Read Performance	350 MB/s	350 MB/s	550 MB/s
Sequential Write Performance	170 MB/s	170 MB/s	460 MB/s
Dimensions (W x H x D)	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.
MTBF (hours)	1500000	1500000	1500000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC
Warranty	3 years	3 years	3 years

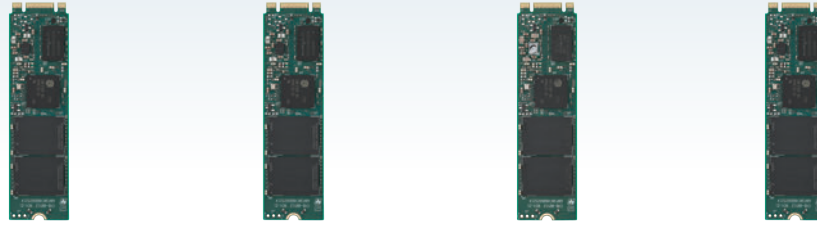
M.2 2242 (NVME PCIe)



Product	96FD42-P256-TS	96FD42-P512-TS	96FD42-P1TB-TS
Product Description	KIOXIA SSSTC 256GB M.2 2242 PCIe Gen4x4 TLC SSD	KIOXIA SSSTC 512GB M.2 2242 PCIe Gen4x4 TLC SSD	KIOXIA SSSTC 1TB M.2 2242 PCIe Gen4x4 TLC SSD
Manufacturer	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC
Capacity	256 GB	512 GB	1 TB
Form Factor	M.2 2242	M.2 2242	M.2 2242
Interface	PCIe	PCIe	PCIe
Sequential Read Performance	3200 MB/s	3200 MB/s	3700 MB/s
Sequential Write Performance	2100 MB/s	2100 MB/s	2600 MB/s
Dimensions (W x H x D)	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.	22 x 3.5 x 42 mm / 0.866 x 0.138 x 1.654 in.
MTBF (hours)	1500000	1500000	1500000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC
Warranty	3 years	3 years	3 years

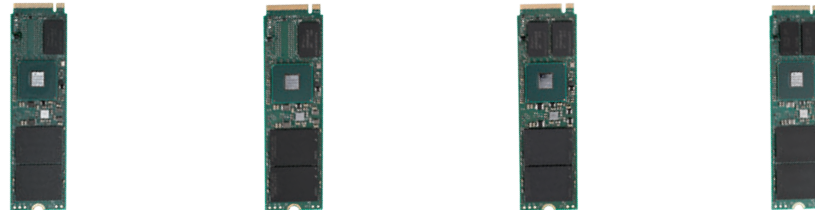
SSD

M.2 2280 (SATA)
Semi Wide-Temp.



Product	96FD80-N128-TS	96FD80-N256-TS	96FD80-N512-TS	96FD80-N1TB-TS
Product Description	KIOXIA SSSTC 128GB M.2 2280 SATA III TLC SSD	KIOXIA SSSTC 256GB M.2 2280 SATA III TLC SSD	KIOXIA SSSTC 512GB M.2 2280 SATA III TLC SSD	KIOXIA SSSTC 1TB M.2 2280 SATA III TLC SSD
Manufacturer	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC
Capacity	128 GB	256 GB	512 GB	1TB
Form Factor	M.2 2280	M.2 2280	M.2 2280	M.2 2280
Interface	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	550 MB/s	550 MB/s	550 MB/s	550 MB/s
Sequential Write Performance	380 MB/s	470 MB/s	510 MB/s	510 MB/s
Dimensions (W x H x D)	80.0 x 22.0 x 2.3 mm	80.0 x 22.0 x 2.3 mm	80.0 x 22.0 x 2.3 mm	80.0 x 22.0 x 2.3 mm
MTBF (hours)	1500000	1500000	1500000	1500000
Operating Temperature	-25°C ~ 85 °C(-13 ~185°F)	-25°C ~ 85 °C(-13 ~185°F)	-25°C ~ 85 °C(-13 ~185°F)	-25°C ~ 85 °C(-13 ~185°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC
Warranty	3 years	3 years	3 years	3 years

M.2 2280 (PCIe)



Product	96FD80-P256-TS	96FD80-P512-TS	96FD80-P1TB-TS	96FD80-P2TB-TS
Product Description	KIOXIA SSSTC 256GB M.2 2280 PCIe Gen4x4 TLC SSD	KIOXIA SSSTC 512GB M.2 2280 PCIe Gen4x4 TLC SSD	KIOXIA SSSTC 1TB M.2 2280 PCIe Gen4x4 TLC SSD	KIOXIA SSSTC 2TB M.2 2280 PCIe Gen4x4 TLC SSD
Manufacturer	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC
Capacity	256 GB	512 GB	1 TB	2 TB
Form Factor	M.2 2280	M.2 2280	M.2 2280	M.2 2280
Interface	PCIe	PCIe	PCIe	PCIe
Sequential Read Performance	5500 MB/s	6800 MB/s	6800 MB/s	6800 MB/s
Sequential Write Performance	1800 MB/s	3600 MB/s	4800 MB/s	4800 MB/s
Dimensions (W x H x D)	22 x 2.3 x 80 mm / 0.866 x 0.09 x 3.149 in.	22 x 2.3 x 80 mm / 0.866 x 0.09 x 3.149 in.	22 x 2.3 x 80 mm / 0.866 x 0.09 x 3.149 in.	22 x 2.3 x 80 mm / 0.866 x 0.09 x 3.149 in.
MTBF (hours)	1500000	1500000	1500000	1500000
Operating Temperature	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 70°C (32 ~ 158°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC
Warranty	3 years	3 years	3 years	3 years

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

• 04 •

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CERTIFIED
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Hard Drive



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- Latest technology with affordable prices
- Responsive, maximized performance
- Support for S.M.A.R.T. drive monitoring and reporting

- Massive capacity with the best C/P value
- Every driver extensively tested before product launch

Hard Drive

General IPC HDD



Product	96ND500G-ST-SG5KG	96ND1TB-ST-SG5KG1
Product Description	Seagate 2.5" 500G SATA III 5KRPM 128MB HDD	Seagate 2.5" 1TB SATA III 5KRPM 128MB HDD
Manufacturer	Seagate	Seagate
Capacity	500 GB	1 TB
Size	2.5"	2.5"
Interface	SATA III	SATA III
24x7 Operation	No	No
Spindle Speed	5400RPM	5400RPM
Cache Size	128 MB	128 MB
Average Read Seek Time	4.16 ms	13 ms
Dimensions (W x H x D)	100.35 x 7 x 69.85 mm / 3.95 x 0.275 x 2.75 in.	100.35 x 7 x 69.85 mm / 3.951 x 0.276 x 2.75 in.
Operating Temperature	5 ~ 60°C (41 ~ 140°F)	5 ~ 60°C (41 ~ 140°F)
MTBF (hours)/Load/Upload Cycles	600000	600000
Warranty	3 years	3 years

General IPC HDD



Product	96HD1000G-ST-WD7K2	96HD2T-ST-SG7KG	96ND2TB-ST-SG5KG1
Product Description	WD 3.5" 1TB SATA III 7KRPM 64MB HDD	Seagate 3.5" 2TB SATA III 7KRPM 256MB HDD	Seagate 2.5" 2TB SATA III 5KRPM 128MB HDD
Manufacturer	Western Digital	Seagate	Seagate
Capacity	1 TB	2 TB	2 TB
Size	3.5"	3.5"	2.5"
Interface	SATA III	SATA III	SATA III
24x7 Operation	No	No	No
Spindle Speed	7200RPM	7200RPM	5400RPM
Cache Size	64 MB	256 MB	128 MB
Average Read Seek Time	2 ms	2 ms	13 ms
Dimensions (W x H x D)	101.6 x 25.4 x 147 mm / 4 x 1 x 5.787 in.	101.6 x 25.4 x 147 mm / 4 x 1 x 5.787 in.	100.35 x 7 x 69.85 mm / 3.951 x 0.276 x 2.75 in.
Operating Temperature	0 ~ 60°C (32 ~ 140°F)	0 ~ 60°C (32 ~ 140°F)	0 ~ 60°C (32 ~ 140°F)
MTBF (hours)/Load/Upload Cycles	30000	30000	600000
Warranty	3 years	3 years	3 years

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

Hard Drive

Video Storage HDD



Product	96HD500G-ST-SG5KA1	96HD1TB-ST-SG5KA	96HD1TB-ST-WD5KA1	96HD2TB-ST-SG5KA
Product Description	Seagate 3.5" 500GB SATA III 5KRPM 64MB HDD	Seagate 3.5" 1TB SATA III 5KRPM 64MB HDD	WD 3.5" 1TB SATA III 5KRPM 64MB HDD	Seagate 3.5" 2TB SATA III 5KRPM 64MB HDD
Manufacturer	Seagate	Seagate	Western Digital	Seagate
Capacity	500 GB	1 TB	1 TB	2 TB
Size	3.5"	3.5"	3.5"	3.5"
Interface	SATA III	SATA III	SATA III	SATA III
24x7 Operation	Yes	Yes	Yes	Yes
Spindle Speed	5900RPM	5900RPM	5400RPM	5900RPM
Cache Size	64 MB	64 MB	64 MB	64 MB
Average Read Seek Time	12 ms	8.5 ms	2 ms	12 ms
Dimensions (W x H x D)	101.85 x 26.11 x 147 mm / 4.01 x 1.028 x 5.787 in.	101.85 x 26.11 x 147 mm / 4.01 x 1.028 x 5.787 in.	101.6 x 26.1 x 147 mm / 4 x 1.028 x 5.787 in.	101.6 x 26.11 x 146.99 mm / 4 x 1.028 x 5.787 in.
Operating Temperature	0 ~ 60°C (32 ~ 140°F)	0 ~ 70°C (32 ~ 158°F)	0 ~ 65°C (32 ~ 149°F)	5 ~ 60°C (41 ~ 140°F)
MTBF (hours)/Load/Upload Cycles	1000000	1000000	1000000	1000000
Warranty	3 years	3 years	3 years	3 years

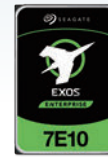
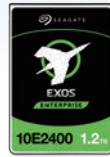
Video Storage HDD



Product	96HD4TB-ST-SG5KA1	96HD4TB-ST-WD5KA3	96HD6TB-ST-WD5KA4	96HD16TB-ST-SG7KA2
Product Description	Seagate 3.5" 4TB SATA III 5KRPM 64MB HDD	WD AV 3.5" 4TB SATA III 5KRPM 256MB HDD	WD AV 3.5" 6TB SATA III 5KRPM 256MB HDD	Seagate AV 3.5" 16TB SATA III 7KRPM 256MB HDD
Manufacturer	Seagate	Western Digital	Western Digital	Seagate
Capacity	4 TB	4 TB	6 TB	16 TB
Size	3.5"	3.5"	3.5"	3.5"
Interface	SATA III	SATA III	SATA III	SATA III
24x7 Operation	Yes	Yes	Yes	Yes
Spindle Speed	5900RPM	5400RPM	5400RPM	5900RPM
Cache Size	64 MB	256 MB	256 MB	256 MB
Average Read Seek Time	9.5 ms	2 ms	2 ms	12 ms
Dimensions (W x H x D)	101.6 x 26.11 x 146.99 mm / 4 x 1.028 x 5.787 in.	101.6 x 26.1 x 147 mm / 4 x 1.028 x 5.787 in.	101.6 x 26.1 x 147 mm / 4 x 1.028 x 5.787 in.	101.6 x 26.11 x 146.99 mm / 4 x 1.028 x 5.787 in.
Operating Temperature	5 ~ 60°C (41 ~ 140°F)	0 ~ 65°C (32 ~ 149°F)	0 ~ 65°C (32 ~ 149°F)	5 ~ 60°C (41 ~ 140°F)
MTBF (hours)/Load/Upload Cycles	1000000	1000000	1000000	1000000
Warranty	3 years	3 years	3 years	3 years

Hard Drive

Server Storage HDD



Product	96ND600G-SS-SG10E1	96ND1.2T-SS-SG10E1	96HD2TB-ST-SG7KE4	96HD4TB-ST-SG7KE3
Product Description	Seagate Enterprise 2.5" 600GB SAS 10KRPM 256MB HDD	Seagate Enterprise 2.5" 1.2TB SAS 10KRPM 256MB HDD	Seagate Enterprise 3.5" 2TB SATA III 7KRPM 256MB HDD	Seagate Enterprise 3.5" 4TB SATA III 7KRPM 256MB HDD
Manufacturer	Seagate	Seagate	Seagate	Seagate
Capacity	600 GB	1.2 TB	2 TB	4 TB
Size	2.5"	2.5"	3.5"	3.5"
Interface	SAS	SAS	SATA III	SATA III
24x7 Operation	Yes	No	Yes	Yes
Spindle Speed	10K RPM	10K RPM	7200RPM	7200RPM
Cache Size	256 MB	256 MB	256 MB	256 MB
Average Read Seek Time	2.9 ms	2.9 ms	3.4 ms	3.4 ms
Dimensions (W x H x D)	100.45 x 15 x 69.85 mm / 3.954 x 0.59 x 2.75 in.	100.45 x 15 x 69.85 mm / 3.955 x 0.591 x 2.75 in.	101.85 x 26.1 x 147 mm / 4.01 x 1.028 x 5.787 in.	101.85 x 26.1 x 147 mm / 4.01 x 1.028 x 5.787 in.
Operating Temperature	5 ~ 55°C (41 ~ 131°F)	5 ~ 55°C (41 ~ 131°F)	5 ~ 60°C (41 ~ 140°F)	5 ~ 60°C (41 ~ 140°F)
MTBF (hours)/Load/Upload Cycles	2000000	2000000	2000000	2000000
Warranty	5 years	5 years	5 years	5 years

Server Storage HDD



Product	96HD6TB-ST-SG7KE3	96HD8TB-ST-SG7KE3
Product Description	Seagate Enterprise 3.5" 6TB SATA III 7KRPM 256MB HDD	Seagate Enterprise 3.5" 8TB SATA III 7KRPM 256MB HDD
Manufacturer	Seagate	Seagate
Capacity	6 TB	8 TB
Size	3.5"	3.5"
Interface	SATA III	SATA III
24x7 Operation	Yes	Yes
Spindle Speed	7200RPM	7200RPM
Cache Size	256 MB	256 MB
Average Read Seek Time	3.4 ms	3.4 ms
Dimensions (W x H x D)	101.85 x 26.1 x 147 mm / 4.01 x 1.028 x 5.787 in.	101.85 x 26.1 x 147 mm / 4.01 x 1.028 x 5.787 in.
Operating Temperature	5 ~ 60°C (41 ~ 140°F)	5 ~ 60°C (41 ~ 140°F)
MTBF (hours)/Load/Upload Cycles	2000000	2000000
Warranty	5 years	5 years

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

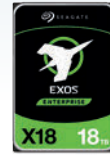
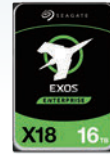
Power
Supply

Keyboard &
Mouse

Software

Hard Drive

Server Storage HDD



Product	96HD10T-ST-SG7KE	96HD12T-ST-WD7KE	96HD16T-ST-SG7KE	96HD18T-ST-SG7KE
Product Description	Seagate Enterprise 3.5" 10TB SATA III 7KRPM 256MB HDD	WD Enterprise 3.5" 12TB SATA III 7KRPM 256MB HDD	Seagate Enterprise 3.5" 16TB SATA III 7KRPM 256MB HDD	Seagate Enterprise 3.5" 18TB SATA III 7KRPM 256MB HDD
Manufacturer	Seagate	Western Digital	Seagate	Seagate
Capacity	10 TB	12 TB	16 TB	18 TB
Size	3.5"	3.5"	3.5"	3.5"
Interface	SATA III	SATA III	SATA III	SATA III
24x7 Operation	Yes	Yes	Yes	Yes
Spindle Speed	7200RPM	7200RPM	7200RPM	7200RPM
Cache Size	256 MB	256 MB	256 MB	256 MB
Average Read Seek Time	3.4 ms	3.4 ms	3.4 ms	3.4 ms
Dimensions (W x H x D)	101.85 x 26.1 x 147 mm / 4.01 x 1.028 x 5.787 in.	101.85 x 26.1 x 147 mm / 4.01 x 1.028 x 5.787 in.	101.85 x 26.1 x 147 mm / 4.01 x 1.028 x 5.787 in.	101.85 x 26.1 x 147 mm / 4.01 x 1.028 x 5.787 in.
Operating Temperature	5 ~ 60°C (41 ~ 140°F)	5 ~ 60°C (41 ~ 140°F)	5 ~ 60°C (41 ~ 140°F)	5 ~ 60°C (41 ~ 140°F)
MTBF (hours)/Load/Upload Cycles	2000000	2000000	2000000	2000000
Warranty	5 years	5 years	5 years	5 years

Server Storage HDD



Product	96HD20T-ST-SG7KE	96HD22T-ST-SG7KE
Product Description	Seagate Enterprise 3.5" 20TB SATA III 7KRPM 256MB HDD	Seagate Enterprise 3.5" 22TB SATA III 7KRPM 512MB HDD
Manufacturer	Seagate	Seagate
Capacity	20 TB	22 TB
Size	3.5"	3.5"
Interface	SATA III	SATA III
24x7 Operation	Yes	Yes
Spindle Speed	7200RPM	7200RPM
Cache Size	256 MB	512 MB
Average Read Seek Time	3.4 ms	3.4 ms
Dimensions (W x H x D)	101.85 x 26.1 x 147 mm / 4.01 x 1.028 x 5.787 in.	101.85 x 26.1 x 147 mm / 4.01 x 1.028 x 5.787 in.
Operating Temperature	5 ~ 60°C (41 ~ 140°F)	5 ~ 60°C (41 ~ 140°F)
MTBF (hours)/Load/Upload Cycles	2000000	2000000
Warranty	5 years	5 years

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Graphics Card



- High performance video, graphics, and computing capability
- Diverse display output configurations to support every scenario for visualization
- Extended product lifecycle specifically for industrial applications
- High reliability and durability for intensive use

Graphics Card

NVIDIA



Product	96VG-N4090F16-6L	96VG-N4090F16-6Z	96VG-N4080F16-6L	96VG-N4070TF16-6Z
Product Description	RTX 4090 24G HDMI+3DP Blower	RTX 4090 24G HDMI+3DP	RTX 4080 16G HDMI+3DP Blower	RTX 4070 Ti 12G HDMI+3DP
GPU Brand	NVIDIA	NVIDIA	NVIDIA	NVIDIA
Graphics Processing	RTX 4090	RTX 4090	RTX 4080	RTX 4070 Ti
Interface	PCIe 4.0 x 16	PCIe 4.0 x 16	PCIe 4.0 x 16	PCIe 4.0 x 16
Memory Type	GDDR6X	GDDR6X	GDDR6X	GDDR6X
Memory Size	24 GB	24 GB	16 GB	12 GB
Multi-View	4	4	4	4
Output	HDMI + 3DP	HDMI + 3DP	HDMI + 3DP	HDMI + 3DP
Slot	2	3.5	2	2.5
Dimension (L x W x D)	267 x 111 x 35 mm / 10.5 x 4.4 x 1.4 in.	236.5 x 122.2 x 74.8 mm / 9.3 x 4.8 x 2.9 in.	267 x 111 x 35 mm / 10.5 x 4.4 x 1.4 in.	306.9 x 119.4 x 58.5 mm / 12.1 x 4.7 x 2.3 in.
Bracket	Full Height	Full Height	Full Height	Full Height
CUDA Cores	16384	16384	9728	7680
Total Graphics Power	450 W	450 W	320 W	285 W

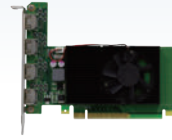
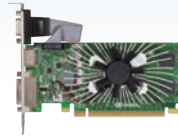
NVIDIA



Product	96VG-N4070F16-6L	96VG-N4070F16-6Z	96VG-N4060FX8-6Z	96VG-NR3050F16-6Z1
Product Description	RTX 4070 12G HDMI+3DP Blower	RTX 4070 12G HDMI+3DP Blower	RTX 4060 SOLO 8G HDMI+3DP	RTX 3050 SOLO 8G HDMI+3DP
GPU Brand	NVIDIA	NVIDIA	NVIDIA	NVIDIA
Graphics Processing	RTX 4070	RTX 4070	RTX 4060	RTX 3050
Interface	PCIe 4.0 x 16	PCIe 4.0 x 16	PCIe 4.0 x 8	PCIe 4.0 x 8
Memory Type	GDDR6X	GDDR6X	GDDR6	GDDR6
Memory Size	12 GB	12 GB	8 GB	8 GB
Multi-View	4	4	4	4
Output	HDMI + 3DP	HDMI + 3DP	HDMI + 3DP	HDMI + 3DP
Slot	2	2	2	2
Dimension (L x W x D)	267 x 111 x 35 mm / 10.5 x 4.4 x 1.4 in.	280.4 x 111.1 x 41.7 mm / 11.0 x 4.4 x 1.6 in.	163 x 117.6 x 39.5 mm / 6.4 x 4.6 x 1.6 in.	168 x 132.2 x 39.8 mm / 6.6 x 5.2 x 1.6 in.
Bracket	Full Height	Full Height	Full Height	Full Height
CUDA Cores	5888	5888	3072	2560
Total Graphics Power	200 W	200 W	115 W	130 W

Graphics Card

NVIDIA



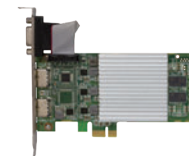
Product	96VG-NG1650F16-5L	GFX-NG730L16-5C1	96VG-NG730F16-3A
Product Description	GTX1650 4G HDMI+3DP	GT730 2G DVI+HDMI+VGA	GT730 1G 4HDMI
GPU Brand	NVIDIA	NVIDIA	NVIDIA
Graphics Processing	GTX 1650	GT 730	GT 730
Interface	PCIe 3.0 x 16	PCIe 2.0 x 8	PCIe 2.0 x 8
Memory Type	GDDR5	GDDR5	DDR3
Memory Size	4 GB	2 GB	1 GB
Multi-View	4	3	4
Output	HDMI + 3DP	DVI + HDMI + VGA	4HDMI
Slot	2	1	1
Dimension (L x W x D)	145 x 111 x 34.8 mm / 5.7 x 4.4 x 1.4 in.	145 x 69 x 14.47 mm / 5.7 x 2.7 x 0.6 in.	145 x 111 x 14.47 mm / 5.7 x 4.4 x 0.6 in.
Bracket	Full Height	Low Profile	Full Height
CUDA Cores	896	384	384
Total Graphics Power	75 W	32 W	25 W

AMD



Product	96VG-AR6600FX8-6T	96VG-A6400LX4-6T
Product Description	RX6600 8G HDMI+3DP	RX6400 4G HDMI+DP
GPU Brand	AMD	AMD
Graphics Processing	Radeon RX 6600	Radeon RX 6400
Interface	PCIe 4.0 x 8	PCIe 4.0 x 4
Memory Type	GDDR6	GDDR6
Memory Size	8 GB	4 GB
Multi-View	4	2
Output	HDMI + 3DP	HDMI + DP
Slot	2	1
Dimension (L x W x D)	175 x 111 x 34.8 mm / 6.9 x 5.7 x 1.4 in.	152 x 69 x 14.47 mm / 5.9 x 2.7 x 0.6 in.
Bracket	Full Height	Low Profile
Stream Processors	1792	768
Total Graphics Power	132 W	53 W

SMI



Product	96VG-SM768LX1-3OT
Product Description	SM768 1G 2HDMI+VGA
GPU Brand	SiliconMotion
Graphics Processing	SM768
Interface	PCIe 2.0 x 1
Memory Type	DDR3
Memory Size	1 GB
Multi-View	2
Output	2HDMI + VGA
Slot	1
Dimension (L x W x D)	130 x 69 x 14.47 mm / 5.1 x 2.7 x 0.6 in.
Bracket	Low Profile
Stream Processors	N/A
Total Graphics Power	10 W

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

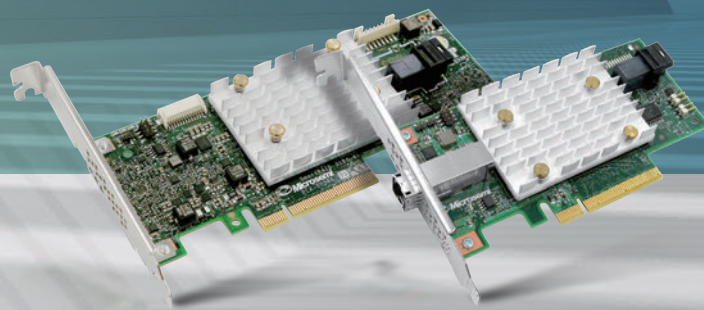
Software

• 06 •

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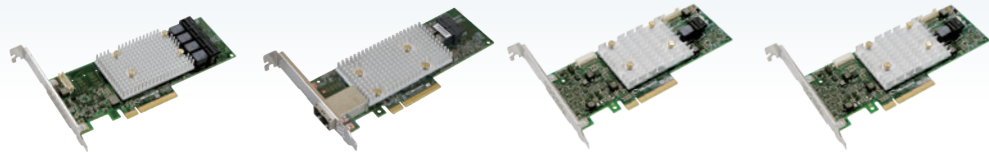
RAID Controller



- Complete RAID type and application introduction for beginners
- Suggested selections of RAID configured solutions
- Pre-compatibility tested to for faster time-to-market
- Full line up of RAID controllers to meet customer needs

- Trusted RAID controller manufacturers for reliable product support

RAID Controller



Product	96RC-SAS-16-PE-AD8	96RC-SAS-16-PE-AD7	96RC-SAS-4P-PE-AD7	96RC-SAS-4P-PE-AD6
Product Description	Adaptec 3154-16i 16-Port 12 Gb/s SAS/SATA RAID Adapter	Adaptec 3154-8i8e 16-Port 12 Gb/s SAS/SATA RAID Adapter	Adaptec 3101-4i 4-Port 12 Gb/s SAS/SATA RAID Adapter	Adaptec 3101E-4i 4-Port 12 Gb/s SAS/SATA RAID Adapter
Manufacturer	Microchip	Microchip	Microchip	Microchip
Controller Type	Hardware RAID	Hardware RAID	Hardware RAID	Hardware RAID
Drive Interface	SAS / SATA	SAS / SATA	SAS / SATA	SAS / SATA
Cache	4 GB	4 GB	1 GB	1 GB
Host Interface	PCIe 3.0 x 8	PCIe 3.0 x 8	PCIe 3.0 x 8	PCIe 3.0 x 8
RAID Levels	0, 1, 5, 6, 10, 50, 60, 1 ADM and 10 ADM	0, 1, 5, 6, 10, 50, 60, 1 ADM and 10 ADM	0, 1, 5, 6, 10, 50, 60, 1 ADM and 10 ADM	0, 1, 10, 1 ADM and 10 ADM
SAS/SATA Ports	16 Internal	8 Internal / 8 External	4 Internal	4 Internal
Bandwidth	12 Gb/s	12 Gb/s	12 Gb/s	12 Gb/s
Cache Backup	Yes, intergrated	Yes, intergrated	No	No



Product	96RC-SAS-8P-PE-AD8	96RC-SAS-8P-PE-AD6	96RC-SAS-8P-PE-AD7	96RC-SAS-8P-PE-LS6
Product Description	Adaptec 3102-8i 8-Port 12 Gb/s SAS/SATA RAID Adapter	Adaptec 2100-8i 8-Port 12 Gb/s SAS/SATA RAID Adapter	Adaptec 2100-4i4e 8-Port 12 Gb/s SAS/SATA RAID Adapter	MegaRAID 9560-8i 8-Port 12 Gb/s SAS/SATA/NVME RAID Adapter
Manufacturer	Microchip	Microchip	Microchip	Broadcom
Controller Type	Hardware RAID	Hardware RAID	Hardware RAID	Hardware RAID
Drive Interface	SAS / SATA	SAS / SATA	SAS / SATA	SAS / SATA / NVME
Cache	2 GB	N/A	N/A	4 GB
Host Interface	PCIe 3.0 x 8	PCIe 3.0 x 8	PCIe 3.0 x 8	PCIe 4.0 x 8
RAID Levels	0, 1, 5, 6, 10, 50, 60, 1 ADM and 10 ADM	0, 1, 10, 5	0, 1, 10, 5	0, 00, 1, 10, 5, 50, 6, 60
SAS/SATA Ports	8 Internal	8 Internal	4 Internal / 4 External	8 Internal
Bandwidth	12 Gb/s	12 Gb/s	12 Gb/s	12 Gb/s
Cache Backup	No	No	No	Cache Vault, CVPM05

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

RAID Box



Product	96RACK5-ST-R1-AR6	96RACK5-ST-R1-AR7
Product Description	ARAIID RACK SATA RAID0/1 3.5"x2 White	ARAIID RACK SATA RAID0/1 3.5"x2 Black
Manufacturer	Accordance Systems	Accordance Systems
Interface	SATA II,I HDD	SATA II,I HDD
Depth	19.5 cm	19.5 cm
Height	2 x 2.5"-3.5" Drive to 5.25" Bay	2 x 2.5"-3.5" Drive to 5.25" Bay
Max Transfer Rate	3.0 Gb/s	3.0 Gb/s
Material	Aluminium + Plastic	Aluminium + Plastic
Color	Black	Black
Keylock	Yes	Yes
RAID Level	0,1	0,1
Fan Function	Yes	Yes



Product	96RACK5-ST-R1-AR8	96RACK5-ST-R1-RN1
Product Description	ARAIID RACK SATA RAID0/1 2.5"x2 White	ARAIID RACK SATA RAID0/1 2.5"x2 White
Manufacturer	Accordance Systems	Accordance Systems
Interface	SATA II,I HDD	SATA II,I HDD
Depth	16.5 cm	16.5 cm
Height	2 x 2.5" Drive to 5.25" Bay	2 x 2.5" Drive to 5.25" Bay
Max Transfer Rate	3.0 Gb/s	3.0 Gb/s
Material	Aluminium + Plastic	Aluminium + Plastic
Color	White	White
Keylock	Yes	Yes
RAID Level	0,1	0,1
Fan Function	Yes	Yes

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Industrial Display



- Display is a key interface of the IoT world and fulfills iFactory, iBuilding, iCity and iPlant vision
- Full product line: Touch Display Module (PCAP) Open Frame Monitor, Monitor Set, Digital Signage and Video Wall
- Diverse applications like industrial, retail, medical, transportation, and IoT applications...
- Advantech certified quality and reliability for durable use
- Allied with global leading display suppliers

PCAP TDM



Product	TDM07050WS-PA00I0	TDM10140WX-PH00E0	TDM156A0FD-PH00E0	TDM21540FD-PH00E0
Description	7.0" Touch Display Module	10.1" Touch Display Module	15.6" Touch Display Module	21.5" Touch Display Module
Features	<ul style="list-style-type: none"> • 7.0" Active screen size • Resolution: 1024 x 600 • 500 nits high brightness 	<ul style="list-style-type: none"> • 10.1" Active screen size • Resolution: 1280 x 800 • 400 nits high brightness 	<ul style="list-style-type: none"> • 15.6" Active screen size • Resolution: 1920 x 1080 • 1000 nits high brightness 	<ul style="list-style-type: none"> • 21.5" Active screen size • Resolution: 1920x1080 • 400 nits high brightness
Active Screen Size	7.0 inch	10.1 inch	15.6 inch	21.5 inch
Aspect Ratio	17:10	16:10	16:9	16:9
Resolution	1024 x 600 (WSVGA)	1280 x 800(WXGA)	1920 x 1080(FHD)	1920 x 1080(FHD)
Brightness	500 nits	400 nits	1000 nits	400 nits
Viewing Angle	170° (H) / 170° (V)	178° (H) / 178° (V)	170° (H) / 170° (V)	178° (H) / 178° (V)
Response Time	16ms	25ms	25ms	25ms
Contrast Ratio	800:1	800:1	1000:1	1000:1
Touch Type	PCAP	PCAP	PCAP	PCAP
LCM Interface	LVDS	LVDS	LVDS	LVDS
TPM Stack-up	G/F/F	G/F/F	G/F/F	G/F/F
TPM Interface	USB/I2C	USB/I2C	USB/I2C	USB/I2C
Cover Glass Thickness (mm)	1.1	1.1	1.8	2.8
CG Treatment	Clear Type	Clear Type	Clear Type	Clear Type
Glove Support	Medical Latex Glove	Medical Latex Glove	Medical Latex Glove	Medical Latex Glove
Wet Fingers	Supported	Supported	Supported	Supported
Saline Resistant	Supported (0.9% Normal Saline)	Supported (0.9% Normal Saline)	Supported (0.9% Normal Saline)	Supported (0.9% Normal Saline)
Anti-Noise (Immunity)	CS10V	CS10V	CS10V	CS10V
ESD	Air ± 15 KV, Contact ± 8 KV	Air ± 15 KV, Contact ± 8 KV	Air ± 15 KV, Contact ± 8 KV	Air ± 15 KV, Contact ± 8 KV
OS Support	Windows mainly,Android and Linux would be optional	Windows mainly,Android and Linux would be optional	Windows mainly,Android and Linux would be optional	Windows mainly,Android and Linux would be optional
VHB (mm thickness)	0.4	0.4	0.5	0.64
Touch Controller Type	COF (Chip On Film)	COF (Chip On Film)	COF (Chip On Film)	COF (Chip On Film)
Operating Temperature	-20°C ~ 70°C	-20°C~ 60°C	-20°C ~ 70°C	0°C~ 60°C
Operating Humidity	20%~ 85%RH	20%~ 85%RH	20%~ 85%RH	20%~ 85%RH
Rotation	-	-	-	-
VESA Compatibility	-	-	-	-
Bezel Width (T/L/R/B)	-	-	-	-
Dimensions (Physical, W x H x D)	184.80x116.52x7.65	254.31x172.95x6.97	387.73x237.09x14.15	525.59x317.06x18.33
Dimensions (Packing, W x H x D)	-	-	-	-
Net Weight	130g	328g	1285g	3624g
Gross Weight	205g	480g	1505g	3925g
Warranty	-	-	-	-
Packing List	Touch Controller (COF) included	Touch Controller (COF) included	Touch Controller (COF) included	Touch Controller (COF) included

MNT Monitor



Product	MNT-3215-FD25BX-V1	MNT-3215-FD25WX-V1	MNT-3238-FD30BX-V0	MNT-3270-FD30BX-V0
Description	21.5" Semi-industrial Monitor (Black)	21.5" Semi-industrial Monitor (White)	23.8" Semi-industrial Monitor (Black)	27.0" Semi-industrial Monitor (Black)
Features	<ul style="list-style-type: none"> Narrow front bezel design for extremely simple design Flexible power input, supporting both AC and DC(90-264Vdc) power sources Slim and compact outline dimension 	<ul style="list-style-type: none"> Narrow front bezel design for extremely simple design Flexible power input, supporting both AC and DC(90-220Vdc) power sources Slim and compact outline dimension 	<ul style="list-style-type: none"> Narrow front bezel design for extremely simple design Slim and compact outline dimension Flexible power input, supporting both AC and DC(90-220Vdc) power sources 	<ul style="list-style-type: none"> Narrow front bezel design for extremely simple design Slim and compact outline dimension Flexible power input, supporting both AC and DC(90-220Vdc) power sources
Active Screen Size	21.5"	21.5"	23.8"	27.0"
Aspect Ratio	16:9	16:9	16:9	16:9
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
Brightness	250 nits (typ.)	250 nits (typ.)	300 nits (typ.)	300 nits (typ.)
Viewing Angle	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)
Response Time	14ms (typ.)	14ms (typ.)	14ms (typ.)	14ms (typ.)
Touch Type	-	-	-	-
Video Input	VGA x 1, HDMI x 1	VGA x 1, HDMI x 1	VGA x 1, HDMI x 1, Display Port x 1	VGA x 1, HDMI x 1, Display Port x 1
Audio Input	Audio line in x 1	Audio line in x 1	Audio line in x 1	Audio line in x 1
Control Input	-	-	-	-
Other slot/ports	-	-	-	-
Video Output	-	-	-	-
Audio Output	-	-	-	-
Control Output	-	-	-	-
Internal Speaker	2W+2W	2W+2W	2W+2W	2W+2W
Power Type	Internal power board	Internal power board	Internal power board	Internal power board
Power Input	100~240Vac,50-60Hz	100~240Vac,50-60Hz	100~240Vac,50-60Hz	100~240Vac,50-60Hz
Power Consumption	27W	27W	27W	30W
Operating Temperature	0°C~40°C	0°C~40°C	0°C~40°C	0°C~40°C
Operating Humidity	15%~90% RH, Non-Condensing	15%~90% RH, Non-Condensing	10%~85% RH, Non-Condensing	10%~85% RH, Non-Condensing
VESA Compatibility	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm
Bezel Width (T/L/R/B)	2 / 2 / 2 / 18 mm	2 / 2 / 2 / 18 mm	3 / 3 / 3 / 18 mm	3 / 3 / 3 / 18 mm
Dimensions (Physical, W x H x D)	489.8 x 367.1 x 196.8 mm (with stand)	489.8 x 367.1 x 196.8 mm (with stand)	539.5x402.9x193.9mm(with stand)	612.4x443.7x240.0 mm(with stand)
Dimensions (Packing, W x H x D)	558 x 375 x 139 mm	558 x 375 x 139 mm	620 x 400 x 131 mm	700 x 455 x 140 mm
Net Weight	3.14Kg	3.14Kg	3 Kg	3.9 Kg
Gross Weight	5.0 Kg	5.0 Kg	5.0 Kg	5.1 Kg
Warranty	2 Years/1 year for Panel	2 Years/1 year for Panel	2 Years/1 year for Panel	2 Years/1 year for Panel
Packing List	<ul style="list-style-type: none"> Power Cord (1.5M, Black) VGA Cable (1.5M, Black) HDMI Cable (1.5M, Black) Audio Cable (1.5M, Black) Desktop Stand (Black housing) Startup Manual (Paper) 	<ul style="list-style-type: none"> Power Cord (1.5M, Black) VGA Cable (1.5M, Black) HDMI Cable (1.5M, Black) Audio Cable (1.5M, Black) Desktop Stand (White housing) Startup Manual (Paper) 	<ul style="list-style-type: none"> Power Cord (1.5M, Black) VGA Cable (1.5M, Black) HDMI Cable (1.5M, Black) DisplayPort Cable (1.5M, Black) Audio Cable (1.5M, Black) Desktop Stand (Black housing) Startup Manual (Paper) 	<ul style="list-style-type: none"> Power Cord (1.5M, Black) VGA Cable (1.5M, Black) HDMI Cable (1.5M, Black) DisplayPort Cable (1.5M, Black) Audio Cable (1.5M, Black) Desktop Stand (Black housing) Startup Manual (Paper)

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

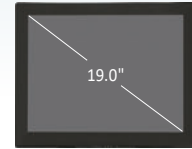
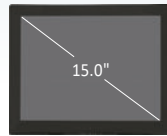
Industrial
Display

Power
Supply

Keyboard &
Mouse

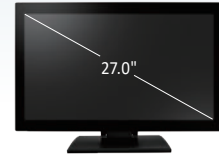
Software

Panel Mount (Industrial)



Product	VUE-2101-WX50PX-A4	VUE-2150-XA50PX-N4	VUE-2156-FD45PX-N4	VUE-2190-SX25PX-A0
Description	10.1" Touch Panel Mount Monitor	15.0" Square Touch Panel Mount Monitor	15.6" Panel Mount Monitor	19.0" Square Touch Panel Mount Monitor
Features	<ul style="list-style-type: none"> • Front IP65 water-proof rating and IK08 high-level impact protection • Excellent noise immunity well-suited for rugged applications (CS 10V) • Support many touch method including fingers, glove, and stylus 	<ul style="list-style-type: none"> • Front IP65 water-proof rating and IK08 high-level impact protection • Excellent noise immunity well-suited for rugged applications (CS 10V) • Support many touch method including fingers, glove, and stylus 	<ul style="list-style-type: none"> • Front IP65 water-proof rating and IK08 high-level impact protection • Excellent noise immunity well-suited for rugged applications (CS 10V) • Support many touch method including fingers, glove, and stylus 	<ul style="list-style-type: none"> • Front IP65 water-proof rating and IK08 high-level impact protection • Support 10-point touch function
Active Screen Size	10.1 inch	15.0 inch	15.6 inch	19.0 inch
Aspect Ratio	16:9	4:3	16:9	5:4
Resolution	1280x800(WXGA)	1024 x 768 (XGA)	1920 x 1080 (FHD)	1280 x 1024 (SXGA)
Brightness	500nits	500nits	450 nits	250nits
Viewing Angle	170° (H) / 170° (V)	176° (H) / 176° (V)	170° (H) / 170° (V)	170° (H) / 160° (V)
Response Time	25ms	18ms	25ms	5ms
Touch Type	PCAP	PCAP	PCAP	PCAP
Video Input	VGAx1,HDMI x1,DVI-D x1,DisplayPortx1	VGA x 1, HDMI x 1, DisplayPort x 1	VGAx1,HDMI x1,DVI-D x1,DisplayPortx1	VGA x1, DVI-D x1
Audio Input	Audio line in x 1	Audio line in x 1	Audio line in x 1	-
Control Input	USB typeB 3.0 x 1 (for touch function)	D-SUB-9 x 1 for external function key	USB typeB 3.0 x 1 (for touch function)	-
Other slot/ports	USB typeA 3.0 x 2	USB typeB 3.0 x 1 (for touch function)	USB typeA 3.0 x 2	RJ11 for extension OSD, USB 2.0 (Type B) for PCAP Touch
Video Output	-	-	-	-
Audio Output	-	-	-	-
Control Output	-	-	-	-
Internal Speaker	2W+2W	3W+3W	2W+2W	-
Power Type	External AC to DC power adapter, 20V, 45W	External AC to DC power adapter, 12V, 36W	External AC to DC power adapter, 20V, 45W	External AC to DC power adapter, 12V, 50W
Power Input	100~240Vac,50-60Hz,2.25A	100~240Vac,50-60Hz,1.5A	100~240Vac,50-60Hz,2.25A	100~240Vac,50-60Hz,2.5A
Power Consumption	35W	18W	35W	30W
Operating Temperature	0°C ~ 40°C	-20°C ~ 60°C	0°C ~ 40°C	0°C ~ 40°C
Operating Humidity	10%~ 85% RH , Non-Condensing	10%~ 85% RH , Non-Condensing	10%~ 85% RH , Non-Condensing	20%~80%RH , Non-Condensing
Rotation	Supported	Supported	Supported	Supported
VESA Compatibility	100x100mm	100x100mm	100x100mm	100x100mm
Bezel Width (T/L/R/B)	21.9/20.5/20.5/21.9mm	28/27.05/27.05/28mm	21.8/20.32/20.32/21.8mm	21/19.3/19.3/21mm
Dimensions (Physical, W x H x D)	258 x 180 x 51 mm	359.1 x 285 x 46.2 mm	385 x 237 x 49 mm	415.0 x 343.0 x 46.6 mm
Dimensions (Packing, W x H x D)	333 x 195 x 245 mm	483 x 375 x 195 mm	455 x 330 x 185 mm	500 x 425 x 133 mm
Net Weight	1.5Kg	3.5Kg	3.1Kg	4.4Kg
Gross Weight	3.0Kg	5.5Kg	4.7Kg	6.3Kg
Warranty	2 Years/1 year for Panel	2 Years/1 year for Panel	2 Years/1 year for Panel	2 Years/1 year for Panel
Packing List	<ul style="list-style-type: none"> • Power Cord (1.5M, Black) • Power Adaptor (1.5M, Black) • VGA Cable (1.5M, Black) • HDMI Cable (1.5M, Black) • DisplayPort Cable (1.5M, Black) • DVI Cable (1.5M, Black) • USB Cable (1.8M, Black) • Audio Cable (1.5M, Black) • Side Mount Bracket kit • Startup Manual (Paper) 	<ul style="list-style-type: none"> • Power Adapter (1.5M, Black) • Power cord (1.8M, Black) • VGA cable (1.8M, Black) • HDMI cable (1.8M, Black) • DisplayPort cable (1.8M, Black) • Audio cable (1.8M, Black) • USB cable (1.8M, Black) • External control key pad • Side mount bracket kit • Cable organizer kit (Aluminum) • Startup manual (Paper) 	<ul style="list-style-type: none"> • Power Cord (1.5M, Black) • Power Adaptor (1.5M, Black) • VGA Cable (1.5M, Black) • HDMI Cable (1.5M, Black) • DisplayPort Cable (1.5M, Black) • DVI Cable (1.5M, Black) • USB Cable (1.8M, Black) • Audio Cable (1.5M, Black) • Side Mount Bracket kit • Startup Manual (Paper) 	<ul style="list-style-type: none"> • Power Adapter (1.8M, Black) • Power cord (1.8M, Black) • VGA Cable (1.8M, Black) • DVI cable (1.8M, Black) • USB cable (1.8M, Black) • Side mount bracket kit (Steel) • Startup manual (Paper)

Panel Mount (Medical)



Product	VUE-3215-FD25PX-N5	VUE-3215-FD25PX-N6	VUE-3270-FD30PX-A5	VUE-3270-FD30PX-A6
Description	21.5" Medical Touch Monitor (White)	21.5" Medical Touch Monitor (Black)	27.0" Medical Touch Monitor (White)	27.0" Medical Touch Monitor (Black)
Features	<ul style="list-style-type: none"> • Anti-reflection and anti-smudge (AR+AS) treatment on screen for comfortable viewing experience and clean environment • Front IK08 high-level impact protection • 6-axis color adjustment (Green/Red/Blue/Cyan/Magenta/Yellow) for high level and more accuracy customized image 	<ul style="list-style-type: none"> • Anti-reflection and anti-smudge (AR+AS) treatment on screen for comfortable viewing experience and clean environment • Front IK08 high-level impact protection • 6-axis color adjustment (Green/Red/Blue/Cyan/Magenta/Yellow) for high level and more accuracy customized image 	<ul style="list-style-type: none"> • Anti-reflection and anti-smudge (AR+AS) treatment on screen for comfortable viewing experience and clean environment • Front IP65 water-proof rating and IK08 high-level impact protection • 6-axis color adjustment (Green/Red/Blue/Cyan/Magenta/Yellow) for high level and more accuracy customized image 	<ul style="list-style-type: none"> • Anti-reflection and anti-smudge (AR+AS) treatment on screen for comfortable viewing experience and clean environment • Front IP65 water-proof rating and IK08 high-level impact protection • 6-axis color adjustment (Green/Red/Blue/Cyan/Magenta/Yellow) for high level and more accuracy customized image
Active Screen Size	21.5"	21.5"	27.0"	27.0"
Aspect Ratio	16:9	16:9	16:9	16:9
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
Brightness	250 nits (typ.)	250 nits (typ.)	300 nits (typ.)	300 nits (typ.)
Viewing Angle	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)
Touch Type	Project Capacitive Touch (PCAP)	Project Capacitive Touch (PCAP)	Project Capacitive Touch (PCAP)	Project Capacitive Touch (PCAP)
Video Input	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1	VGA x 1, HDMI x 1, DVI-D x 1, DisplayPort x 1
Audio Input	Audio line in x 1	Audio line in x 1	Audio line in x 1	Audio line in x 1
Control Input	USB typeB x 1 (for touch function)	USB typeB x 1 (for touch function)	USB typeB x 1 (for touch function)	USB typeB x 1 (for touch function)
Other slot/ports	USB3.0 Type-USB x 2	USB3.0 Type-USB x 2	USB3.0 Type-USB x 2	USB3.0 Type-USB x 2
Video Output	-	-	-	-
Audio Output	-	-	-	-
Control Output	-	-	-	-
Internal Speaker	2W+2W	2W+2W	2W+2W	2W+2W
Power Type	External AC to DC power adapter, 19V, 65W	External AC to DC power adapter, 19V, 65W	External AC to DC power adapter, 19V, 65W	External AC to DC power adapter, 19V, 65W
Power Input	100~240V _{AC} ,50-60Hz,3.15A	100~240V _{AC} ,50-60Hz,3.15A	100~240V _{AC} ,50-60Hz,3.15A	100~240V _{AC} ,50-60Hz,3.15A
Power Consumption	65W	65W	65W	65W
Operating Temperature	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C
Operating Humidity	10%~85% RH, Non-Condensing	10%~85% RH, Non-Condensing	10%~85% RH, Non-Condensing	10%~85% RH, Non-Condensing
Rotation	Supported	Supported	Supported	Supported
VESA Compatibility	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm
Bezel Width (T/L/R/B)	24 / 23 / 23 / 24 mm	24 / 23 / 23 / 24 mm	36.6 / 31 / 31 / 26.6 mm	36.6 / 31 / 31 / 26.6 mm
Dimensions (Physical, W x H x D)	522 x 397 x 58 mm	522 x 397 x 58 mm	660 x 472 x 63 mm	660 x 472 x 63 mm
Dimensions (Packing, W x H x D)	609 x 415 x 201 mm	609 x 415 x 201 mm	780 x 534 x 217 mm	780 x 534 x 217 mm
Net Weight	6.5 Kg	6.5 Kg	11.0 Kg	11.0 Kg
Gross Weight	9.0 Kg	9.0 Kg	13.4 Kg	13.4 Kg
Warranty	2 Years/1 year for Panel	2 Years/1 year for Panel	2 Years/1 year for Panel	2 Years/1 year for Panel
Packing List	<ul style="list-style-type: none"> • Power Cord (1.5M, Black) • Power Adaptor (1.5M, Black) • VGA Cable (1.5M, Black) • HDMI Cable (1.5M, Black) • DisplayPort Cable (1.5M, Black) • DVI Cable (1.5M, Black) • USB Cable (1.8M, Black) • Audio Cable (1.5M, Black) • Hinge Stand (White housing) • Startup Manual (Paper) 	<ul style="list-style-type: none"> • Power Cord (1.5M, Black) • Power Adaptor (1.5M, Black) • VGA Cable (1.5M, Black) • HDMI Cable (1.5M, Black) • DisplayPort Cable (1.5M, Black) • DVI Cable (1.5M, Black) • USB Cable (1.8M, Black) • Audio Cable (1.5M, Black) • Hinge Stand (Black housing) • Startup Manual (Paper) 	<ul style="list-style-type: none"> • Power Cord (1.5M, Black) • Power Adaptor (1.5M, Black) • VGA Cable (1.5M, Black) • HDMI Cable (1.5M, Black) • DisplayPort Cable (1.5M, Black) • DVI Cable (1.5M, Black) • USB Cable (1.8M, Black) • Audio Cable (1.5M, Black) • Hinge Stand (White housing) • Startup Manual (Paper) 	<ul style="list-style-type: none"> • Power Cord (1.5M, Black) • Power Adaptor (1.5M, Black) • VGA Cable (1.5M, Black) • HDMI Cable (1.5M, Black) • DisplayPort Cable (1.5M, Black) • DVI Cable (1.5M, Black) • USB Cable (1.8M, Black) • Audio Cable (1.5M, Black) • Hinge Stand (Black housing) • Startup Manual (Paper)

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

Touch Monitor (AIO/Industrial)



Product	VUE-4101-WX50PX-A4	VUE-4156-FD45PX-N4	VUE-4238-FD35PX-N4	VUE-2320-FD50PX-A0
Description	10.1" AIO Touch Computer	15.6" AIO Touch Computer	23.8" AIO Touch Computer	31.5" Touch Panel Mount Monitor
Features	<ul style="list-style-type: none"> Built-in Rockchip RK3566 and OS Android 11 Front IP65 water-proof rating and IK08 high-level impact protection Excellent noise immunity well-suited for rugged applications (CS 10V) 	<ul style="list-style-type: none"> Built-in Rockchip RK3566 and OS Android 11 Front IP65 water-proof rating and IK08 high-level impact protection Excellent noise immunity well-suited for rugged applications (CS 10V) 	<ul style="list-style-type: none"> Built-in Rockchip RK3566 and OS Android 11 Front IP65 water-proof rating and IK08 high-level impact protection Excellent noise immunity well-suited for rugged applications (CS 10V) 	<ul style="list-style-type: none"> Front IP65 and Side IPX1 dust and water-proof rating Support 10-point touch function (PCAP technology)
Active Screen Size	10.1 inch	15.6 inch	23.8 inch	31.5"
Aspect Ratio	16:10	16:9	16:9	16:9
Resolution	1280 x 800 (WXGA)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
Brightness	500 nits	450nits	350nits	500 nits
Viewing Angle	170° (H) / 170° (V)	178° (H) / 178° (V)	170° (H) / 170° (V)	178° (H) / 178° (V)
Response Time	25 ms (Typ.)	25 ms (Typ.)	15 ms (Typ.)	8ms (typ.)
Touch Type	Projected Capacitive Touch (PCAP)	Projected Capacitive Touch (PCAP)	Projected Capacitive Touch (PCAP)	Projected Capacitive Touch (PCAP)
Video Input	HDMI1.4x1 , (HDCP1.4)	HDMI1.4x1 , (HDCP1.4)	HDMI1.4x1 , (HDCP1.4)	VGA x 1 , DisplayPort x 1, HDMI 1.3 x 1
Audio Input	-	-	-	-
Control Input	RS-232 input	RS-232 input	RS-232 input	-
Other slot/ports	USB2.0 Host x2 (internal) USB3.0 Type A x3(5V,1A)	USB2.0 Host x2 (internal) USB3.0 Type A x3(5V,1A)	USB2.0 Host x2 (internal) USB3.0 Type A x3(5V,1A)	USB 2.0 Type B for PCAP Touch
Video Output	-	-	-	-
Audio Output	-	-	-	-
Control Output	-	-	-	-
Internal Speaker	2W+2W	2W+2W	2W+2W	-
Power type	External AC to DC power adapter, 12~19V, 65W	External AC to DC power adapter, 12~19V, 65W	External AC to DC power adapter, 12~19V, 65W	Internal power board
Power Input	100~240V _{AC} ,50-60Hz,3.25A	100~240V _{AC} ,50-60Hz,3.25A	100~240V _{AC} ,50-60Hz,3.25A	100~240V _{AC} ,50-60Hz
Power Consumption	15W	24W	35W	60W
Operating Temperature	0°C- +40°C	0°C- +40°C	0°C- +40°C	0°C- +40°C
Operating Humidity	30% ~ 80% RH, Non-condensing	30%~80% RH, Non-condensing	30%~80% RH, Non-condensing	20%~85% RH, Non-condensing
Rotation	Supported	Supported	Supported	Supported
VESA Compatibility	100 x 100 mm	100 x 100 mm	100 x 100 mm	200 x 200 mm
Bezel Width (T/L/R/B)	21.4/20/20/21.4mm	21.3/19.8/19.8/21.3mm	27.5/28.19/28.19/27.5mm	20 / 20 / 20 / 20 mm
Dimensions (Physical, W x H x D)	257.93 x 179.33 x 50.22 mm	384.80 x 237.10 x 49.04 mm	584.42 x 352.42 x 55.14 mm	739.4 x 433.85 x 61mm
Dimensions (Packing, W x H x D)	333*195*245 mm	455 x 330 x 185 mm	678*448*167 mm	890 x 155 x 630 mm
Net Weight	1.5Kg	2.9Kg	6.2Kg	10.35 Kg
Gross Weight	3.0Kg	4.5Kg	8.1Kg	12.85 Kg
Warranty	2 Years/1 year for Panel	2 Years/1 year for Panel	2 Years/1 year for Panel	2 Years/1 year for Panel
Packing List	<ul style="list-style-type: none"> Power Cord (1.5M, Black) Power Adaptor (1.5M, Black) HDMI Cable (1.5M, Black) Side Mount Bracket kit Startup Manual (Paper) 	<ul style="list-style-type: none"> Power Cord (1.5M, Black) Power Adaptor (1.5M, Black) HDMI Cable (1.5M, Black) Side Mount Bracket kit Startup Manual (Paper) 	<ul style="list-style-type: none"> Power Cord (1.5M, Black) Power Adaptor (1.5M, Black) HDMI Cable (1.5M, Black) Side Mount Bracket kit Startup Manual (Paper) 	<ul style="list-style-type: none"> Power Adapter (1.5M, Black) Power cord (1.5M, Black) VGA cable (1.5M, Black) HDMI cable (1.5M, Black) DisplayPort cable (1.5M, Black) USB cable (1.5M, Black) Startup manual (Paper)

VUE-5000 (Signage)



Product	VUE-5430-UD40PX-L0	VUE-5550-UD50PX-L0	VUE-5860-UD50SX-V0	VUE-5860-UD50IX-V0
Description	Advantech 43" Touch Digital Signage	Advantech 55" Touch Digital Signage	Advantech 86" Digital Signag	Advantech 86" Touch Digital Signag
Features	<ul style="list-style-type: none"> Vivid 4K Ultra HD resolution Front IP65 water-proof rating With SDM-L slot for slot for smart AIO solution 	<ul style="list-style-type: none"> Vivid 4K Ultra HD resolution Front IP65 water-proof rating With SDM-L slot for slot for smart AIO solution 	<ul style="list-style-type: none"> Advantech 86" Digital Signage With SDM-L slot for optional computing Support both AC and DC power input 	<ul style="list-style-type: none"> Advantech 86" Touch Digital Signage With SDM-L slot for optional computing Support both AC and DC power input
Active Screen Size	43 inch	54.6inch	86 inch	86 inch
Aspect Ratio	16:9	16:9	16:9	16:9
Resolution	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)
Brightness	400nits	425nits	500nits	500nits
Viewing Angle	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)
Response Time	9ms	8ms	8ms	8ms
Touch Type	Project Capacitive Touch (PCAP)	Project Capacitive Touch (PCAP)	None Touch	IR touch
Video Input	HDMI 1.4x1, HDMI 2.0x1, DVI-Ix1, DP 1.2x1	HDMI x 2, DVI x 1, DisplayPort x 1	VGA x 1, DVI x 1, HDMI x 2, DisplayPort x 1	VGA x 1, DVI x 1, HDMI x 2, DisplayPort x 1
Audio Input	Audio Line in x 1	Audio Line in x 1	Audio Line in x 1	Audio Line in x 1
Control Input	RJ-11 x 1	RJ11 x1 (For Remote Key Pad)	RS-232 x 1, IR x 1, LAN x 1	RS-232 x 1, IR x 1, LAN x 1
Other slot/ports	USB 2.0 (Type B) for touch Interface (USB-HID)	SDM-L x 1, USB 2.0 (Type B) for Touch Interface (USB-HID) x1, AC Inlet x1	USB 2.0 x 1, USB 3.0 x 1, SD Card x 1	USB 2.0 x 1, USB 3.0 x 1, SD Card x 1, USB 2.0 (Type B) for touch
Video Output	-	-	HDMIx1	-
Audio Output	Audio Line out x 1	Audio Line out x 1	-	-
Control Output	-	-	RS-232 x 1, IR x 1	RS-232 x 1, IR x 1
Internal Speaker	2 x 12W Internal Speaker	2 x 8W Internal Speaker	2 x 12W Internal Speaker	2 x 15W Internal Speaker
Power type	Internal power board	Internal power board	Internal power board	Internal power board
Power Input	100~240V _{AC} ,50-60Hz	100~240V _{AC} ,50-60Hz	100~240V _{AC} ,50-60Hz	100~240V _{AC} ,50-60Hz
Power Consumption	115W	140W	420W	383W
Operating Temperature	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C
Operating Humidity	20%~80% RH, Non-condensing	20%~80% RH (Non-condensation)	20%~80% RH, Non-condensing	20%~80% RH, Non-condensing
Rotation	Supported	Supported	Supported	Supported
VESA Compatibility	400x400mm	400x400mm	600 x 400 mm	600 x 400 mm
Bezel Width (T/L/R/B)	20/20/20/20mm	18/25/25/18mm	15.5/15.5/15.5/15.5mm	16.3/16.3/16.3/16.3mm
Dimensions (Physical, W x H x D)	983.2 x 571.4 x 80.7 mm	1247.6 x 732.4 x 78.8 mm	1929 x 1100 x 95.3 mm	1961 x 1170 x 96.2 mm
Dimensions (Packing, W x H x D)	1170 x 745 x 200 mm	1455 x 923 x 230 mm	2145 x 1372 x 280 mm	2145 x 1372 x 280 mm
Net Weight	19.5Kg	44.5Kg	49.5 kg	76.5Kg
Gross Weight	25Kg	47.5Kg	63.1 kg	89.4Kg
Warranty	2 Years/1 year for Panel	2 Years/1 year for Panel	2 Years/1 year for Panel	2 Years/1 year for Panel
Packing List	<ul style="list-style-type: none"> Power cord (1.8 M) HDMI cable (1.8 M) DisplayPort cable (1.8 M) DVI cable (1.8M) Audio cable (1.8M) RS232 cable (1.8 M) USB cable (1.8 M) Remote control Cable tie (4pcs) StartUp Manual (paper) 	<ul style="list-style-type: none"> Power cord (1.8 M) HDMI cable (1.8 M) DisplayPort cable (1.8 M) DVI Cable (1.8M, Black) Audio cable (1.8M) USB cable (1.8 M) Remote control StartUp Manual (paper) 	<ul style="list-style-type: none"> Power cable (1.8 M) VGA cable (1.8 M) HDMI cable (1.8 M) DisplayPort cable (1.8 M) RS232 cable (1.8 M) DVI cable (1.8 M) Remote control StartUp Manual (Paper) 	<ul style="list-style-type: none"> Power cable (1.8 M) VGA cable (1.8 M) HDMI cable (1.8 M) DisplayPort cable (1.8 M) USB cable (1.8 M) RS232 cable (1.8 M) Remote control StartUp Manual (Paper)

CPU

DRAM Memory Module

Solid State Drive

Hard Drive

Graphics Card

RAID Controller

Industrial Display

Power Supply

Keyboard & Mouse

Software

• 08 •

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Power Supply



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- Certified high-quality power supplies that meet the latest safety standard
- Cooperates with first tier manufacturers to offer high-quality power supplies with enhanced components for industrial applications

- Supports high thermal resilience with full load under 50°C (40°C for external power supplies)
- Order friendly with flexible minimum order quantity support

DIN-Rail Power Supply



Product	PSD-A40W24	PSD-A60W24	PSD-A120W24	PSD-A120W48
Product Description	Advantech AC to DC 100-240V 40W 24V DIN-Rail Power Supply	Advantech AC to DC 100-240V 60W 24V DIN-Rail Power Supply	Advantech AC to DC 100-240V 120W 24V DIN-Rail Power Supply	Advantech AC to DC 100-240V 120W 48V DIN-Rail Power Supply
Form Factor	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
Brand	Advantech	Advantech	Advantech	Advantech
Output Power	40W	60W	120W	120W
Input Type	AC to DC	AC to DC	AC to DC	AC to DC
Input Current	115V @ 1.0A max.	115V @ 1.4A max.	115V @ 1.4A max.	115V @ 1.4A max.
Input Voltage Range	85 - 264V _{AC}	85 - 264V _{AC}	85 - 264V _{AC}	85 - 264V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Efficiency	89%	89%	90%	91%
Operating Temperature	-25 ~ 70°C (-13 ~ 158°F)	-25 ~ 70°C (-13 ~ 158°F)	-25 ~ 70°C (-13 ~ 158°F)	-25 ~ 70°C (-13 ~ 158°F)
Power Derating	Full load to 60°C, derate 2.5% per °C	Full load to 60°C, derate 2.5% per °C	Full load to 60°C, derate 2.5% per °C	Full load to 60°C, derate 3.5% per °C
Storage Temp	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)
Storage Humidity	95% RH	95% RH	95% RH	95% RH
Output Rating	24V / 1.67A	24V / 2.5A	24V / 5A	48V / 2.5A
MTBF	> 500,000	> 500,000	> 500,000	> 500,000
Dimensions (W x H x D)	32 x 90.2 x 100 mm / 1.26 x 3.54 x 3.94 in.	32 x 90.2 x 100 mm / 1.26 x 3.54 x 3.94 in.	40 x 110 x 120 mm / 1.57 x 4.33 x 4.72 in.	40 x 110 x 120 mm / 1.57 x 4.33 x 4.72 in.
Safety	CB / UL / FCC / CE / TUV / CCC / UKCA	CB / UL / FCC / CE / TUV / CCC / UKCA	CB / UL / FCC / CE / CCC / UKCA	CB / UL / FCC / CE / CCC / UKCA
Main Connector	Screw Terminal	Screw Terminal	Screw Terminal	Screw Terminal
PFC Function	No	No	Yes	Yes
Cooling Function	Conventional	Conventional	Conventional	Conventional
LED	Green, DC ok	Green, DC ok	Green, DC ok	Green, DC ok
Mounting Rail	TS35	TS35	TS35	TS35
Features	<ul style="list-style-type: none"> • Low ripple & noise • OVP / OCP / OTP • Compact size • Support 110V_{DC} application • Support 150% load for 3 sec. • High MTBF and lifetime 	<ul style="list-style-type: none"> • Low ripple & noise • OVP / OCP / OTP • Compact size • Support 110V_{DC} application • Support 150% load for 3 sec. • High MTBF and lifetime 	<ul style="list-style-type: none"> • Low ripple & noise • OVP / OCP / OTP • Compact size • Support 110V_{DC} application • Support 150% load for 3 sec. • High MTBF and lifetime 	<ul style="list-style-type: none"> • Low ripple & noise • OVP / OCP / OTP • Compact size • Support 110V_{DC} application • Support 150% load for 3 sec. • High MTBF and lifetime

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

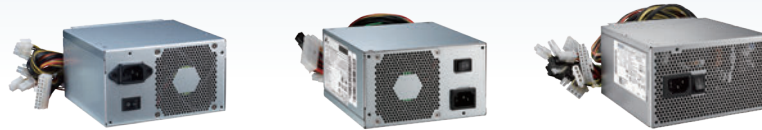
Software

DIN-Rail Power Supply



Product	IPS-D22A60W12V-A	IPS-D22A60W24V-A	IPS-D22A60W48V-A
Product Description	Advantech D22 DIN Rail 60W 12V	Advantech D22 DIN Rail 60W 24V	Advantech D22 DIN Rail 60W 48V
Form Factor	DIN-Rail	DIN-Rail	DIN-Rail
Brand	Advantech	Advantech	Advantech
Output Power	60W	60W	60W
Input Type	AC to DC	AC to DC	AC to DC
Input Current	115V @ 1.8A; 230V @ 1.0A	115V @ 1.8A; 230V @ 1.0A	115V @ 1.8A; 230V @ 1.0A
Input Voltage Range	85 ~ 264V _{AC} ; 100 ~ 375V _{DC}	85 ~ 264V _{AC} ; 100 ~ 375V _{DC}	85 ~ 264V _{AC} ; 100 ~ 375V _{DC}
Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz
Efficiency	88%	88%	88%
Operating Temperature	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)
Power Derating	Full load to 60°C, derate 2% per °C	Full load to 60°C, derate 2% per °C	Full load to 60°C, derate 2% per °C
Storage Temp	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85°C (-40 ~ 185°F)
Storage Humidity	5~95% RH	5~95% RH	5~95% RH
Output Rating	12V / 5A	24V / 2.5A	48V / 1.25A
MTBF	> 500,000	> 500,000	> 500,000
Dimensions (W x H x D)	37.9 x 100 x 94.1 mm / 1.49 x 3.94 x 3.70 in.	37.9 x 100 x 94.1 mm / 1.49 x 3.94 x 3.70 in.	37.9 x 100 x 94.1 mm / 1.49 x 3.94 x 3.70 in.
Safety	CB / UL / CE / TUV / CCC / UKCA	CB / UL / CE / TUV / CCC / UKCA	CB / UL / CE / TUV / CCC / UKCA
Main Connector	Screw Terminal	Screw Terminal	Screw Terminal
PFC Function	No	No	No
Cooling Function	Conventional	Conventional	Conventional
LED	Green, DC ok	Green, DC ok	Green, DC ok
Mounting Rail	TS35	TS35	TS35
Features	<ul style="list-style-type: none"> • Compact design with 60 watt output • Input range: 85 ~ 264 V_{AC} / 100 ~ 375 V_{DC} • Wide Operating Temperature -20-70 °C with full load up to 50 °C • Cold start at -30 °C • High efficiency up to 88% @ 230V_{AC} • Supports OVP/SCP/OCP/OTP • LED indicator for DC OK 	<ul style="list-style-type: none"> • Compact design with 60 watt output • Input range: 85 ~ 264 V_{AC} / 100 ~ 375 V_{DC} • Wide Operating Temperature -20-70 °C with full load up to 50 °C • Cold start at -30 °C • High efficiency up to 88% @ 230V_{AC} • Supports OVP/SCP/OCP/OTP • LED indicator for DC OK 	<ul style="list-style-type: none"> • Compact design with 60 watt output • Input range: 85 ~ 264 V_{AC} / 100 ~ 375 V_{DC} • Wide Operating Temperature -20-70 °C with full load up to 50 °C • Cold start at -30 °C • High efficiency up to 88% @ 230V_{AC} • Supports OVP/SCP/OCP/OTP • LED indicator for DC OK

PS2 ATX Power Supply



Product	PS8-500ATX-BB	PS8-700ATX-BB	IPS-X62A850W-A
Product Description	500W PS2 Power Supply	700W PS2 Power Supply	850W PS2 Power Supply
Manufacturer	FSP	FSP	LiteOn
Form Factor	PS2	PS2	PS2
Output Power	500W	700W	850W
Input Type	AC to DC	AC to DC	AC to DC
Input Current	115V @ 8A max.	115V @ 10A max.	115V @ 10A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz
Efficiency	82%	82%	87%
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)
Storage Temp	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 85°C (-4 ~ 185°F)
Storage Humidity	5-90% RH	95% RH	5-90% RH
Output Rating	+3.3V @ 19A +5V @ 16A +12V1 @ 17A +12V2 @ 17A -12V @ 0.3A -5V @ 0.3A +5Vsb @ 2.5A	+3.3V @ 24A +5V @ 30A +12V1 @ 16A +12V2 @ 16A +12V3 @ 16A +12V4 @ 16A -12V @ 0.5A -5V @ 0.5A +5Vsb @ 4A	+3.3V @ 20A +5V @ 20A +12V @ 70.5A -12V @ 0.3A +5Vsb @ 2.5A
MTBF (hours)	100,000	100,000	100,000
Dimensions (W x H x D)	150 x 86 x 140 mm / 5.9 x 3.3x 5.5 in.	150 x 86 x 140 mm / 5.9 x 3.3x 5.5 in.	150 x 86 x 140 mm / 5.9 x 3.3x 5.5 in.
Safety	CB / UL / FCC / CE / TUV / CCC / KC / UKCA	CB / UL / FCC / CE / TUV / CCC / KC / UKCA	CB / UL / FCC / CE / TUV / CCC / KC / BSMI / UKCA
Eighty Plus Certified	80 Plus Bronze	80 Plus Bronze	80 Plus Gold
Main Connector	ATX (20 + 4pin)	ATX (20 + 4pin)	ATX (20 + 4pin)
PFC Function	Yes	Yes	Yes
FAN Function	Yes	Yes	Yes
Power Switch Function	Yes	Yes	Yes
EMC	Class B	Class B	Class B
Features	<ul style="list-style-type: none"> • Low ripple & noise • Over Voltage protection • Over Current protection • Short Circuit protection 	<ul style="list-style-type: none"> • Low ripple & noise • Over Voltage protection • Over Temperature protection • Short Circuit protection 	<ul style="list-style-type: none"> • Intel® ATX 3.0 compliant • Ultra durable and stable with Japanese capacitors • Ultra quiet via smart fan silence mode (<20% load) • Supports OVP, OCP, SCP, and OTP circuit protection

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

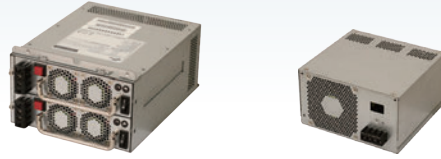
Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

DC/DC Power Supply



Product	96PSR-D500WMIN	96PS-D500WPS2
Product Description	500W (DC) Mini Redundant Power Supply	500W (DC) PS2 Power Supply
Manufacturer	FSP	FSP
Form Factor	Mini Redundant	PS2
Output Power	500W	500W
Input Type	DC to DC	DC to DC
Input Current	110V _{dc} @7A max. 220V _{dc} @3.5A max.	110V _{dc} @7A max. 220V _{dc} @3.5A max.
Input Voltage Range	110~220V _{dc}	110~220V _{dc}
Input Frequency	N/A	N/A
Efficiency	84%	85%
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)
Storage Temp	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)
Storage Humidity	90% RH	95% RH
Output Rating	+3.3V @ 20A +5V @ 20A +12V1 @ 16A +12V2 @ 16A +12V3 @ 16A -12V @ 0.5A -5V @ 0.3A +5Vsb @ 3A	+3.3V @ 20A +5V @ 20A +12V1 @ 16A +12V2 @ 16A +12V3 @ 16A -12V @ 0.5A -5V @ 0.3A +5Vsb @ 2A
MTBF (hours)	100,000	100,000
Dimensions (W x H x D)	190 x 84 x 150 mm / 7.5 x 3.3x 5.9 in.	150 x 86 x 140 mm / 5.9 x 3.3x 5.5 in.
Safety	CE	CB / CE
Eighty Plus Certified	N/A	80 Plus Bronze
Main Connector	ATX (20 + 4pin)	ATX (20 + 4pin)
PFC Function	No	No
FAN Function	Yes	Yes
Power Switch Function	Yes	No
EMC	• Class B	• Class B
Features	<ul style="list-style-type: none"> • Low ripple & noise • Over Voltage Protection • Over Current Protection • Over Temperature protection • Short Circuit Protection 	<ul style="list-style-type: none"> • Low ripple & noise • Over Voltage Protection • Over Current Protection • Short Circuit Protection • Cable Management

Flex ATX Power Supply



Product	PS8-250FATX-BB	PS8-350FATX-GB	PS8-500FATX-GB
Product Description	250W Flex ATX	350W Flex ATX	500W Flex ATX
Manufacturer	Delta	FSP	FSP
Form Factor	FLEX	FLEX	FLEX
Output Power	250W	350W	500W
Input Type	AC to DC	AC to DC	AC to DC
Input Current	115V @ 3.5A max.	115V @ 6A max.	115V @ 8A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz
Efficiency	82%	87%	87%
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)
Storage Temp	-40 ~ 70°C (-40 ~ 158°F)	-40 ~ 80°C (-40 ~ 176°F)	-40 ~ 80°C (-40 ~ 176°F)
Storage Humidity	95% RH	95% RH	95% RH
Output Rating	+3.3V @ 13A +5V @ 15A +12V1 @ 17A +12V2 @ 17 A -12V @ 0.3A +5Vsb @ 2.5A	+3.3V @ 14A +5V @ 16A +12V @ 29A -12V @ 0.3A +5Vsb @ 3A	+3.3V @ 14A +5V @ 16A +12V @ 41A -12V @ 0.3A +5Vsb @ 3A
MTBF (hours)	100,000	100,000	100,000
Dimensions(W x H x D)	40.5 x 150 x 81.5 mm / 1.6 x 5.9 x 3.2 in.	40.5 x 150 x 81.5 mm / 1.6 x 5.9 x 3.2 in.	40.5 x 190 x 81.5 mm / 1.6 x 7.4 x 3.2 in.
Safety	CB / UL / FCC / CE / TUV / CCC / KC / BSMI / UKCA	CB / UL / FCC / CE / TUV / CCC / KC / UKCA	CB / UL / FCC / CE / TUV / CCC / KC / UKCA
Eighty Plus Certified	80 Plus Bronze	80 Plus Gold	80 Plus Gold
Main Connector	ATX (20 + 4pin)	ATX (20 + 4pin)	ATX (20 + 4pin)
PFC Function	Yes	Yes	Yes
FAN Function	Yes	Yes	Yes
Power Switch Function	No	No	No
Safety and EMC	Class B	Class B	Class B
Features	<ul style="list-style-type: none"> • Low ripple & noise • Over Voltage Protection • Over Temperature Protection • Over Current Protection • Short Circuit Protection 	<ul style="list-style-type: none"> • Low ripple & noise • Over Voltage protection • Over Power Protection • Short Circuit protection 	<ul style="list-style-type: none"> • Low ripple & noise • Over Voltage protection • Over Power Protection • Short Circuit protection

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

Redundant Power Supply



Product	RPS8-500U2-XE	RPS8-500ATX-GB	RPS8-750ATX-XE
Product Description	500W 2U Narrow Redundant	500W Mini Redundant	750W Mini Redundant
Manufacturer	FSP	FSP	FSP
Form Factor	2U Redundant	Mini Redundant	Mini Redundant
Output Power	500W	500W	750W
Input Type	AC to DC	AC to DC	AC to DC
Input Current	115V @ 8A max.	115V @ 6A max.	115V @ 10A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz
Efficiency	85%	88%	88%
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 60°C (32 ~ 140°F)
Storage Temp	-20 ~ 80°C (-4 ~ 176°F)	-20 ~ 80°C (-4 ~ 176°F)	-40 ~ 75°C (-40 ~ 158°F)
Storage Humidity	5 - 90% RH	5 - 90% RH	95% RH
Output Rating	+3.3V @ 20A +5V @ 25A +12V @ 40.2A -12V @ 0.5A +5Vsb @ 3.52A	+3.3V @ 20A +5V @ 20A +12V @ 40A -5V @ 0.3A -12V @ 0.5A +5Vsb @ 3A	+3.3V @ 24A +5V @ 30A +12V @ 60.9A -12V @ 0.5A +5Vsb @ 4A
MTBF (hours)	100,000	100,000	100,000
Dimensions (W x H x D)	84 x 85 x 217 mm / 3.3 x 3.3 x 8.5 in.	150 x 84 x 190 mm / 5.9 x 3.3 x 7.5 in.	150 x 84 x 200 mm / 5.9 x 3.3 x 7.8 in.
Safety	CB / UL / FCC / CE / TUV / CCC / KC / BSMI / UKCA	CB / UL / FCC / CE / TUV / CCC / KC / UKCA	CB / UL / FCC / CE / TUV / CCC / BSMI / UKCA
80 Plus Certified	80 Plus Gold	80 Plus Gold	80 Plus Gold
Main Connector	ATX (20 + 4pin)	ATX (20 + 4pin)	ATX (20 + 4pin)
PFC Function	Yes	Yes	Yes
FAN Function	Yes	Yes	Yes
Power Switch Function	Yes	Yes	No
EMC	Class B	Class B	Class B
Features	<ul style="list-style-type: none"> • Balance Load Sharing Design • Hot-Swappable • Over Voltage Protection • Over Power Protection • Short Circuit Protection • Over Temperature Protection • PMBus 1.2 Compatible 	<ul style="list-style-type: none"> • Balance Load Sharing Design • Hot-Swappable • Over Voltage Protection • Over Current Protection • Short Circuit Protection • Over Temperature Protection • PMBus 1.2 Compatible 	<ul style="list-style-type: none"> • Balance Load Sharing Design • Hot-Swappable • Over Voltage Protection • Over Power Protection • Short Circuit Protection • Over Temperature Protection • PMBus 1.2 Compatible

Adapter



Product	96PSA-A36W12R1-3	96PSA-A36W12W7-5	96PSA-A60W12V1-4	96PSA-A60W12W7-3
Product Description	36W 12V C6	36W 12V C6	60W 12V C14	60W 12V C14
Manufacturer	Delta	Delta	Delta	Delta
Output Power	36W	36W	60W	60W
Output Connector	DC Plug 90°	Lockable DC Plug 180°	DC Plug 180°	Lockable DC Plug 180°
Input Type	AC to DC	AC to DC	AC to DC	AC to DC
Input Current	100V @ 1A max.	100V @ 1A max.	90V @ 1.7A max.	90V @ 1.7A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Efficiency	84% min.	84% min.	88% min.	88% min.
Max Temperature	60°C @ 90%	60°C @ 90%	60°C @ 90%	60°C @ 90%
Operating Temperature	0 - 40°C (32 - 104°F)	0 - 40°C (32 - 104°F)	0 - 40°C (32 - 104°F)	0 - 40°C (32 - 104°F)
Storage Temp°	-30 ~ 80°C (-22 ~ 176°F)	-30 ~ 80°C (-22 ~ 176°F)	-20 ~ 85°C (-4 ~ 185°F)	-20 ~ 85°C (-4 ~ 185°F)
Storage Humidity	5 - 95% RH	5 - 95% RH	5 - 95% RH	5 - 95% RH
Output Rating	12V _{DC} @3A	12V _{DC} @3A	12V _{DC} @5A	12V _{DC} @5A
MTBF (hours)	100,000	100,000	100,000	100,000
Cable Length (mm)	1,500	1,500	1,500	1,200
Dimensions (W x H x D)	37 x 26.5 x 89.5 mm / 1.5 x 1.0 x 3.5 in.	37 x 26.5 x 89.5 mm / 1.5 x 1.0 x 3.5 in.	52.5 x 32.5 x 120 mm / 2.1 x 1.3 x 4.7 in.	52.5 x 32.5 x 120 mm / 2.1 x 1.3 x 4.7 in.
Safety	CB / UL / FCC / CE / TUV / RCM / CCC / PSE / KC / PSB / BSMI / BIS / IRAM / UKCA / Efficiency Level VI	CB / UL / FCC / CE / TUV / RCM / CCC / PSE / KC / PSB / BSMI / BIS / IRAM / UKCA / Efficiency Level VI	CB / UL / FCC / CE / TUV / RCM / CCC / PSE / KC / PSB / BSMI / BIS / IRAM / UKCA / Efficiency Level VI	CB / UL / FCC / CE / TUV / RCM / CCC / PSE / KC / PSB / BSMI / BIS / IRAM / UKCA / Efficiency Level VI
PFC Function	No	No	No	No
EMC	Class B	Class B	Class B	Class B
Features	<ul style="list-style-type: none"> • Meet energy star EPS 2.0 / ErP Lot 7 / DoE level VI • No load power consumption ≤0.1W • High reliability • Available for working at high altitude (5,000M) 	<ul style="list-style-type: none"> • Meet energy star EPS 2.0 / ErP Lot 7 / DoE level VI • No load power consumption ≤0.1W • High reliability • Available for working at high altitude (5,000M) 	<ul style="list-style-type: none"> • Meet energy star EPS 2.0 / ErP Lot 7 / DoE level VI • No load power consumption ≤0.15W • High reliability • Available for working at high altitude (5,000M) 	<ul style="list-style-type: none"> • Meet energy star EPS 2.0 / ErP Lot 7 / DoE level VI • No load power consumption ≤0.15W • High reliability • Available for working at high altitude (5,000M)

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

Adpater



Product	96PSA-A150W19P4-4	PSA-A45WM-U
Product Description	150W 19V C14	PD Adapter 45W US Type Plug
Manufacturer	FSP	Advantech
Output Power	150W	45W
Output Connector	Terminal Block 4 Pin	USB Type C
Input Type	AC to DC	AC to DC
Input Current	100V @ 2A max.	90V @ 1.2A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz
Efficiency	87% min.	87%
Max Temperature	70°C @ 70%	40C @ 100%
Operating Temperature	0 - 40°C (32 - 104°F)	0 - 40°C (32 - 104°F)
Storage Temp	-20 ~ 80°C (-4 ~ 176°F)	-30 ~ 60°C (-22 ~ 140°F)
Storage Humidity	10 - 90% RH	8 - 80% RH
Output Rating	19V _{DC} @7.89A	+5V @ 3A +9V @ 3A +12V @ 3A +15V @ 3A +20V @ 2.25A
MTBF (hours)	100,000	300,000
Cable Length (mm)	1,500	N/A
Dimensions (W x H x D)	75.6 x 25.4 x 151.3 mm / 3.0 x 1.0 x 6.0 in.	40.5 x 53.5 x 28.0 mm / 15.9 x 21.0 x 11.0 in.
Safety	CB / UL / FCC / CE / TUV / RCM / CCC / PSE / KC / EAC / UKCA / Efficiency Level VI	CB / UL / FCC / Efficiency Level VI
PFC Function	Yes	No
EMC	Class B	Class B
Features	<ul style="list-style-type: none"> • Meet energy star EPS 2.0 / ErP Lot 7 / DoE level VI • No load power consumption $\leq 0.21W$ • High reliability • Available for working at high altitude (5,000M) 	<ul style="list-style-type: none"> • Power Delivery (PD) • Automatically detects 5/9/12/15/20V DC output voltage • Universal USB Type C output interface • Meet energy star EPS 2.0 / ErP Lot 7 / DoE level VI • OVP/OC/SCP/OTP protection

• 09 •

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PERIPHERALS

Your Ultimate Sourcing Partner

Keyboard & Mouse



- Low-profile, whisper-quiet keys and standard layout with full-size f-keys and number pad
- Easy to set up and use, plug the cable into a USB port and use it right away

- Compact and comfortable in either hand
- Optical technology with a three-button for smooth, precise control
- Classic style, rugged and spill-resistant design

Keyboard



Product	96KB-88UP2-WK-EN-B	96KB-88UP2-WK-TW-B	96KB-104U-LT-TW
Product Description	WINTEK 88 Key USB+PS2 keyboard US English layout Black	WINTEK 88 Key USB+PS2 keyboard Chinese layout Black	Logitech 104 Key USB keyboard Chinese layout Black
Brand	Wintek	Wintek	Logitech
Color	Black	Black	Black
Number of Keys	88 Keys	88 Keys	104 Keys
Voltage	5 Volt	5 Volt	5 Volt
Housing Design	Plastic	Plastic	Plastic
Current Input	100 mA	100 mA	N/A
Language	US English	Traditional Chinese	Traditional Chinese
Keyboard Layout	QWERT	QWERT	QWERT
Interfaces	USB & PS/2	USB & PS/2	USB
Dimension (W x H x L)	150 x 19 x 290 mm / 5.94 x 0.75 x 11.45 in.	150 x 19 x 290 mm / 5.94 x 0.75 x 11.45 in.	113 x 38 x 406 mm / 4.45 x 1.5 x 16 x in.
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	N/A
Storage Temperature	-40 ~ 55°C (-40 ~ 131°F)	-40 ~ 55°C (-40 ~ 131°F)	N/A
Weight	340.1 g / 0.75 lb.	340.1 g / 0.75 lb.	226.7 g / 0.5 lb.
Manufacture Warranty	1 year	1 year	3 years

Keyboard&Mouse



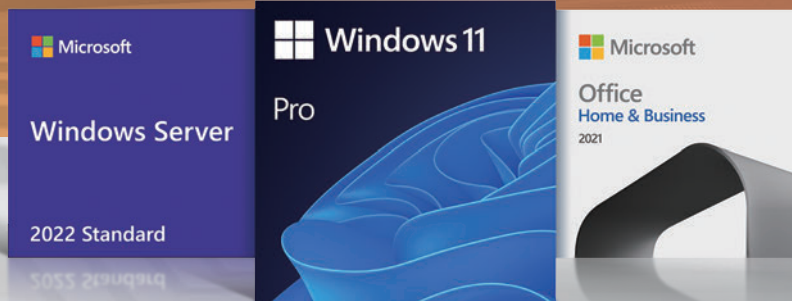
Product	96KBMS-104U-LT-UB	96KBMS-104U-LT-TB	96KBMS-104W-LT-TB	96KBMS-104W-LT-TW
Product Description	Logitech Keyboard + Mouse USB US English layout Black	Logitech Keyboard + Mouse USB Chinese layout Black	Logitech Wireless Keyboard + Mouse USB Chinese layout Black	Logitech Wireless Keyboard + Mouse USB Chinese layout White
Brand	Logitech	Logitech	Logitech	Logitech
Color	Black	Black	Black	White
Number of Keys	104 Keys	104 Keys	118 Keys	118 Keys
Voltage	5 Volt	5 Volt	Keyboard: 3 V; Mouse: 1.5V	Keyboard: 3 V; Mouse: 1.5V
Housing Design	Plastic	Plastic	Plastic	Plastic
Current Input	N/A	N/A	Keyboard: 75mA; Mouse: 100mA	Keyboard: 75mA; Mouse: 100mA
Language	US English	Traditional Chinese	Traditional Chinese	Traditional Chinese
Keyboard Layout	QWERT	QWERT	QWERT	QWERT
Interfaces	USB	USB	USB Receiver	USB Receiver
Dimension (W x H x L)	155 x 43 x 450 mm / 6.22 x 1.69 x 17.7 in.	155 x 18 x 450 mm / 6.10 x 0.71 x 17.72 in.	193.5 x 24 x 457 mm / 7.62 x 0.94 x 18 in.	193.5 x 24 x 457 mm / 7.62 x 0.94 x 18 in.
Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-40 ~ 60°C (-40 ~ 140°F)	-40 ~ 60°C (-40 ~ 140°F)	-5 ~ 45°C (23 ~ 104°F)	-5 ~ 45°C (23 ~ 104°F)
Weight	640 g / 1.41 lb.	900 g / 1.98 lb.	1080 g / 2.38 lb.	1080 g / 2.38 lb.
Manufacture Warranty	3 years	3 years	2 years	2 years

• 10 •

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Software

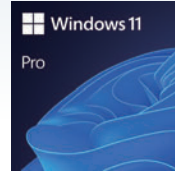
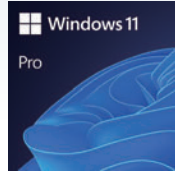
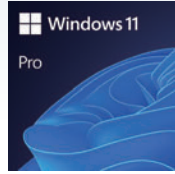


- Enterprise-quality security for Small and Medium Business
- Fast boot times and responsiveness
- Increased application uptime through multi-site failover clustering
- Disaster Recovery - Automatic secure offsite data backup

- Simple to setup and manage
- Flexible and cost-effective data storage
- Combine on-premises servers with cloud on your terms

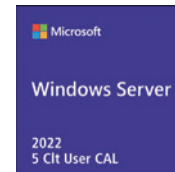
Software

Windows 11 Pro



Product	96SW-WIN11-EN	96SW-WIN11-EN1	96SW-WIN11-JP	96SW-WIN11-TW
Product Description	Windows 11 Pro 64-bit US English	Windows 11 Pro 64-bit UK English	Windows 11 Pro 64-bit Japanese	Windows 11 Pro 64-bit Traditional Chinese
Manufacturer	Microsoft	Microsoft	Microsoft	Microsoft
MPN	FQC-10529	FQC-10528	FQC-10539	FQC-10523
Language Supported	English	English	Japanese	Traditional Chinese
32-bit/64-bit	64-bit	64-bit	64-bit	64-bit
Distribution Media / Method	DVD-ROM	DVD-ROM	DVD-ROM	DVD-ROM
Product Type	Software Licensing	Software Licensing	Software Licensing	Software Licensing
License Quantity	Single license	Single license	Single license	Single license
Platform Supported	PC	PC	PC	PC
Operating System Supported	Windows	Windows	Windows	Windows

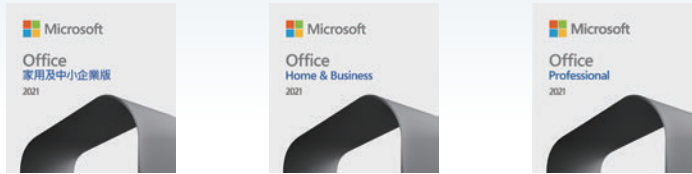
Windows Server 2022 Standard



Product	96SW-SER22TD-EN	96SW-SER22DEV5-EN	96SW-SER22USE5-EN
Product Description	Windows Server 2022 Standard - 16 Core License Pack	Windows Server 2022 - License - 5 Device CAL	Windows Server 2022 - License - 5 User CAL
Manufacturer	Microsoft	Microsoft	Microsoft
MPN	P73-08328	R18-06430	R18-06466
Language Supported	English	English	English
32-bit/64-bit	64-bit	64-bit	64-bit
Distribution Media / Method	DVD-ROM	License	License
Product Type	Operating System	Software Licensing	Software Licensing
License Quantity	16 Core	5 Device CAL	5 User CAL
Platform Supported	PC	PC	PC
Operating System Supported	Windows	Windows	Windows

Software

Office



Product	96SW-OFFHOM21-TW	96SW-OFFHOM21-EN	96SW-OFFPRO21-ESD
Product Description	Office Home & Business 2021 Chinese	Office Home & Business 2021 English	Office Professional 2021 English
Manufacturer	Microsoft	Microsoft	Microsoft
MPN	T5D-03501	T5D-03519	269-17187
Language Supported	Traditional Chinese	English	English
32-bit/64-bit	64-bit	64-bit	64-bit
Distribution Media / Method	Product Key	Product Key	Digital Product Key
Product Type	Software Licensing	Software Licensing	Software Licensing
License Quantity	Single license	Single license	Single license
Platform Supported	PC	PC	PC
Operating System Supported	Windows	Windows	Windows

Anti-virus Software



Product	96SW-DRWEB-PC1U2Y	96SW-DRWEB-PC1U3Y	96SW-DRWEB-SER1U2Y	96SW-DRWEB-SER1U3Y
Product Description	Dr.Web Security Space for PC, 1 User 2 Year	Dr.Web Security Space for PC, 1 User 3 Year	Dr.Web Server Security Suite 1 User 2 Year	Dr.Web Server Security Suite 1 User 3 Year
Manufacturer	Doctor Web	Doctor Web	Doctor Web	Doctor Web
Language Supported	English / Chinese	English / Chinese	English / Chinese	English / Chinese
32-bit/64-bit	32-bit/64-bit	32-bit/64-bit	32-bit/64-bit	32-bit/64-bit
Distribution Media / Method	License	License	License Certificate	License Certificate
Product Type	Software Licensing	Software Licensing	Software Licensing	Software Licensing
License Quantity	Single license	Single license	Single license	Single license
Platform Supported	PC	PC	Server	Server
Operating System Supported	Windows/Linux/macOS/Android	Windows/Linux/macOS/Android	Windows, Novell, Unix (Samba)	Windows, Novell, Unix (Samba)

CPU

DRAM
Memory
Module

Solid State
Drive

Hard Drive

Graphics
Card

RAID
Controller

Industrial
Display

Power
Supply

Keyboard &
Mouse

Software

Regional Service & Customization Centers

China | Kunshan
86-512-5777-5666

Taiwan | Taipei
886-2-7732-3399

Netherlands | Eindhoven
31-40-267-7000

Poland | Warsaw
00800-2426-8080

USA | Milpitas, CA
1-408-519-3898

Worldwide Offices

Asia Pacific

Taiwan	
Toll Free	0800-777-111
Taipei & IoT Campus	886-2-7732-3399
Taichung	886-4-2372-5058
Kaohsiung	886-7-392-3600
China	
Toll Free	800-810-0345
Beijing	86-10-6298-4346
Shanghai	86-21-3632-1616
Shenzhen	86-755-8212-4222
Chengdu	86-28-8545-0198
Hong Kong	852-2720-5118

Asia Pacific

Japan	
Toll Free	0800-500-1055
Tokyo	81-3-6802-1021
Osaka	81-6-6267-1887
Nagoya	81-52-291-4861
Nogata	81-949-22-2890
Korea	
Toll Free	080-363-9494/5
Seoul	82-2-3660-9255
Singapore	
Singapore	65-6442-1000
Malaysia	
Kuala Lumpur	60-3-7725-4188
Penang	60-4-537-9188
Thailand	
Bangkok	66-02-2488306-9
Vietnam	
Hanoi	84-24-3399-1155
Hochiminh	84-28-3836-5856
Indonesia	
Jakarta	62-21-751-1939
Australia	
Toll Free	1300-308-531
Melbourne	61-3-9797-0100
India	
Bangalore	91-94-4839-7300
Pune	91-94-2260-2349

Europe

Netherlands	
Eindhoven	31-40-267-7000
Breda	31-76-523-3100
Germany	
Toll Free	00800-2426-8080/81
Munich	49-89-12599-0
Düsseldorf	49-2103-97-855-0
France	
Paris	33-1-4119-4666
Italy	
Milan	39-02-9544-961
UK	
Newcastle	44-0-191-262-4844
London	44-0-870-493-1433
Spain	
Madrid	34-91-668-86-76
Sweden	
Stockholm	46-0-864-60-500
Poland	
Warsaw	48-22-31-51-100
Russia	
Moscow	8-800-555-01-50
St. Petersburg	8-812-332-57-27
	8-921-575-13-59
Czech Republic	
Ústí nad Orlicí	420-465-524-421
Ireland	
Galway	353-91-792444

Americas

North America	
Toll Free	1-888-576-9668
Cincinnati	1-513-742-8895
Milpitas	1-408-519-3898
Irvine	1-949-420-2500
Ottawa	1-815-433-5100
Chicago	1-888-576-9668
Boston	1-800-866-6008
Brazil	
Toll Free	0800-770-5355
São Paulo	55-11-5592-5367
Mexico	
Toll Free	1-800-467-2415
Mexico City	52-55-6275-2777
Guadalajara	52-33-3169-7670
Middle East and Africa	
Israel	072-2410527
Turkey	90-212-222-0422
Turkey-Bursa	90-224-413-3134

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