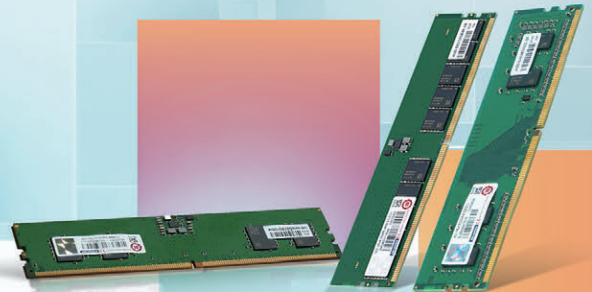


Advantech Certified Peripherals

Your Ultimate Sourcing Partner

- ✓ CPU
- ✓ DRAM Memory Module
- ✓ Solid State Drive
- ✓ Hard Drive
- ✓ Graphics Card
- ✓ RAID Controller
- ✓ Networking Adapter
- ✓ Expansion Card
- ✓ Power Supply
- ✓ Keyboard & Mouse
- ✓ ARES



ADVANTECH

Enabling an Intelligent Planet

www.advantech.com

Table of Contents

About Us	02	
Premium Advantech Services		
Vendor Relationship Management		
Suppliers by Product Category		
CPU	06	
Skylake-S CPU		
Kaby Lake-S CPU		
Coffee Lake-S CPU		
Coffee Lake Refresh-S CPU		
Comet Lake-S CPU		
Alder Lake CPU		
Cascade Lake SP- Refresh		
ICE Lake-SP		
AQD DRAM Memory Module	11	
DDR5 Unbuffered		
SO-DDR5 Unbuffered		
DDR5 ECC		
SO-DDR5 ECC		
DDR5 Registered		
DDR4 Unbuffered		
SO-DDR4 Unbuffered		
DDR4 ECC		
SO-DDR4 ECC		
DDR4 Registered		
DDR4 Registered Wide-Temp		
DDR3 Unbuffered		
SO-DDR3 Unbuffered		
DDR3 Registered		
SO-DDR3 Unbuffered Wide-Temp		
DDR5 Unbuffered Semi Wide-Temp		
SO-DDR5 Unbuffered Semi Wide-Temp		
DDR4 Unbuffered Semi Wide-Temp		
SO-DDR4 Unbuffered Semi Wide-Temp		
DDR3 Unbuffered Semi Wide-Temp		
SO-DDR3 Unbuffered Semi Wide-Temp		
DDR4 Unbuffered Wide-Temp		
DDR4 ECC Wide-Temp		
SO-DDR4 Unbuffered Wide-Temp		
SO-DDR4 ECC Wide-Temp		
Solid State Drive	25	
Enterprise SSD		
2.5" SATA		
2.5" SATA Semi Wide-Temp		
2.5" SATA (SLC-liteX SSD)		
mSATA Semi Wide-Temp		
mSATA		
M.2 2242 (SATA)		
M.2 2280 (SATA)		
M.2 2280 (SATA) Semi Wide-Temp		
M.2 2242 (NVMe)		
M.2 2280 (NVMe)		
M.2 2280 (NVMe) Semi Wide-Temp		
Semi Industrial Grade 2.5" SATA		
Graphics Card	38	
NVIDIA		
AMD		
SMI		
RAID Controller	41	
RAID Controller		
RAID Box		
Networking Adapter	44	
RJ-45 Networking Adapter		
SFP Networking Adapter		
Expansion Card	47	
USB Expansion Card		
PCIeX4 to NVMe Expansion Card		
Power Supply	49	
DIN-Rail		
ATX 2.3		
ATX 3.1		
Flex ATX 2.3		
DC/DC		
Redundant Adapter		
Keyboard & Mouse	58	
Keyboard		
Keyboard & Mouse		
ARES	60	
ARES-1		
ARES-2		
ARES-5		
ARES-7		

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.

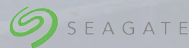


Vendor Relationship Management

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	Expansion Card	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
ADATA							■									
AMD	■		■													
APACER							■							■		
AUSTIN HUGES						■										
BROADCOM												■				
COOLER MASTER															■	
DELTA											■					
FSP											■					
INTEL	■		■						■							
LG										■						
LITEON										■	■					
LOGITECH					■			■								
LR-LINK									■							
MICROCHIP												■				
MICRON							■							■		
MICROSOFT													■			
NVIDIA			■													
SAMSUNG							■									
SEAGATE				■												
SEWOO																■
SUNIX		■														
TOSHIBA				■												
TRANSCEND							■							■		
TSC																■
WESTERN DIGITAL				■												

• 01 •

ADVANTECH
CERTIFIED
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

Comet Lake S CPU



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	Embedded	Embedded	Embedded	Embedded
Manufacturer	Intel	Intel	Intel	Intel
Processor Number	Core i3-10100E	Core i5-10500E	Core i7-10700E	Core i9-10900E
Code Name	Comet Lake S	Comet Lake S	Comet Lake S	Comet Lake S
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	N/A	N/A	N/A	N/A
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	SRJFJ	SRJFD
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	N/A	Yes	Yes
Package	Tray	Tray	Tray	Tray
Warranty	1 year	1 year	1 year	1 year

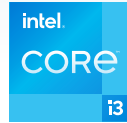
Alder Lake CPU



Product	96MPI3A-3.3-12M17	96MPI5A-3.0-18M17	96MPI7A-2.1-25M17	96MPI9A-2.4-30M17
Product Description	Intel Core i3-12100 3.3G 12M 4 Core Processor	Intel Core i5-12500 3.0G 18M 6 Core Processor	Intel Core i7-12700 2.1G 25M 12 Core Processor	Intel Core i9-12900 2.4G 30M 16 Core Processor
Market	Desktop	Desktop	Desktop	Desktop
Manufacturer	Intel	Intel	Intel	Intel
Processor Number	Core i3-12100	Core i5-12500	Core i7-12700	Core i9-12900
Code Name	Alder Lake	Alder Lake	Alder Lake	Alder Lake
Socket Type	LGA1700	LGA1700	LGA1700	LGA1700
Processor Base Frequency	3.3 GHz	3.0 GHz	2.1 GHz	2.4 GHz
Bus Speed	N/A	N/A	N/A	N/A
Smart Cache	12 MB	18 MB	25 MB	30 MB
Cache Memory	N/A	N/A	N/A	N/A
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	SRL62	SRL5V	SRL4Q	SRL4K
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

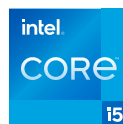
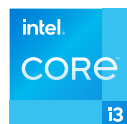
Raptor Lake S CPU



Product	96MPI-13100-4E	96MPI-13500-14E	96MPI-13700-16E	96MPI-13900-24E
Product Description	Intel Core i3-13100 3.4G 12M 4 Core Processor	Intel Core i5-13500 2.5G 24M 14 Core Processor	Intel Core i7-13700 2.1G 30M 16 Core Processor	Intel Core i9-13900 2.0G 36M 24 Core Processor
Market	Desktop	Desktop	Desktop	Desktop
Manufacturer	Intel	Intel	Intel	Intel
Processor Number	Core i3-13100	Core i5-13500	Core i7-13700	Core i9-13900
Code Name	Raptor Lake S	Raptor Lake S	Raptor Lake S	Raptor Lake S
Socket Type	LGA1700	LGA1700	LGA1700	LGA1700
Processor Base Frequency	3.4 GHz	2.5 GHz	2.1 GHz	2.0 GHz
Bus Speed	N/A	N/A	N/A	N/A
Smart Cache	12 MB	24 MB	30 MB	36 MB
Cache Memory	N/A	N/A	N/A	N/A
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	SRMBU	SRMBM	SRMBA	SRMB6
Thermal Design Power (TDP)	60 W	65 W	65 W	65 W
# of Cores	4	14	16	24
64 bit Support	Yes	Yes	Yes	Yes
Embedded	Yes	N/A	Yes	Yes
Package	Tray	Tray	Tray	Tray
Warranty	1 year	1 year	1 year	1 year

- CPU
- DRAM Memory Module
- Solid State Drive
- Hard Drive
- Graphics Card

Raptor Lake S Refresh



Product	96MPI-14100-4E	96MPI-14500-14E	96MPI-14700-20E	96MPI-14900-24E
Product Description	Intel Core i3-14100 3.5G 12M 4 Core Processor	Intel Core i5-14500 2.6G 24M 14 Core Processor	Intel Core i7-14700 2.1G 33M 20 Core Processor	Intel Core i9-14900 2.0G 36M 24 Core Processor
Market	Desktop	Desktop	Desktop	Desktop
Manufacturer	Intel	Intel	Intel	Intel
Processor Number	Core i3-14100	Core i5-14500	Core i7-14700	Core i9-14900
Code Name	Raptor Lake S Refresh	Raptor Lake S Refresh	Raptor Lake S Refresh	Raptor Lake S Refresh
Socket Type	LGA1700	LGA1700	LGA1700	LGA1700
Processor Base Frequency	3.5 GHz	2.6 GHz	2.1 GHz	2.0 GHz
Bus Speed	N/A	N/A	N/A	N/A
Smart Cache	12 MB	24 MB	33 MB	36 MB
Cache Memory	N/A	N/A	N/A	N/A
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	SRMX1	SRN3T	SRN40	SRN3V
Thermal Design Power (TDP)	60 W	65 W	65 W	65 W
# of Cores	4	14	20	24
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

- RAID Controller
- Networking Adapter
- Expansion Card
- Power Supply
- Keyboard & Mouse
- ARES

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 6230R 2.1G 35.75M 26 Core Processor
Market	Server	Server	Server
Manufacturer	Intel	Intel	Intel
Processor Number	Xeon Silver 4210R	Xeon Silver 4214R	Xeon Gold 6230R
Code Name	Cascade Lake Refresh	Cascade Lake Refresh	Cascade Lake Refresh
Socket Type	FCLGA3647	FCLGA3647	FCLGA3647
Processor Base Frequency	2.4 GHz	2.4 GHz	2.1 GHz
Bus Speed	N/A	N/A	N/A
Smart Cache	N/A	N/A	N/A
Cache Memory	13.75 MB	16.5 MB	35.75 MB
Graphic Processor	NA	NA	NA
Manufacturing Technology	14 nm	14 nm	14 nm
sSpec	SRG24	SRG1W	SRGZA
Thermal Design Power (TDP)	100 W	100 W	150 W
# of Cores	10	12	26
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	ICE Lake	ICE Lake
Socket Type	LGA4189	LGA4189	LGA4189
Processor Base Frequency	2.1 GHz	2.4 GHz	2.3 GHz
Bus Speed	N/A	N/A	N/A
Smart Cache	N/A	N/A	N/A
Cache Memory	18 MB	24 MB	30 MB
Graphic Processor	NA	NA	NA
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

CPU

Sapphire Rapids SP



Product	96MPXE-4410Y-12E	96MPXE-4416+-20E	96MPXE-6430-32E
Product Description	Intel Xeon Silver 4410Y 2.0G 30M 12 Core Processor	Intel Xeon Silver 4416+ 2.0G 37.5M 20 Core Processor	Intel Xeon Gold 6430 2.0G 60M 32 Core Processor
Market	Server	Server	Server
Manufacturer	Intel	Intel	Intel
Processor Number	Xeon Silver 4410Y	Xeon Silver 4416+	Xeon Gold 6430
Code Name	Sapphire Rapids	Sapphire Rapids	Sapphire Rapids
Socket Type	FCLGA4677	FCLGA4677	FCLGA4677
Processor Base Frequency	2.0 GHz	2.0 GHz	2.0 GHz
Bus Speed	N/A	N/A	N/A
Smart Cache	N/A	N/A	N/A
Cache Memory	30 MB	37.5 MB	60 MB
Graphic Processor	NA	NA	NA
Manufacturing Technology	Intel 7	Intel 7	Intel 7
sSpec	SRMGGE	SRMGG	SRM7A
Thermal Design Power (TDP)	150 W	165 W	270 W
# of Cores	12	20	32
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

Emerald Rapids SP



Product	96MPXE-4510-12E	96MPXE-4514Y-16E	96MPXE-6530-32E
Product Description	Intel Xeon Silver 4510 2.4G 30M 12 Core Processor	Intel Xeon Silver 4514Y 2.0G 30M 16 Core Processor	Intel Xeon Gold 6530 2.1G 160M 32 Core Processor
Market	Server	Server	Server
Manufacturer	Intel	Intel	Intel
Processor Number	Xeon Silver 4510	Xeon Silver 4514Y	Xeon Gold 6530
Code Name	Emerald Rapids	Emerald Rapids	Emerald Rapids
Socket Type	FCLGA4677	FCLGA4677	FCLGA4677
Processor Base Frequency	2.4 GHz	2.0 GHz	2.1 GHz
Bus Speed	N/A	N/A	N/A
Smart Cache	N/A	N/A	N/A
Cache Memory	30 MB	30 MB	160 MB
Graphic Processor	NA	NA	NA
Manufacturing Technology	Intel 7	Intel 7	Intel 7
sSpec	SRN60	SRN6J	SRN5C
Thermal Design Power (TDP)	150 W	150 W	270 W
# of Cores	12	16	32
64 bit Support	Yes	16	Yes
Embedded	Yes	Yes	Yes
Package	Tray	Tray	Tray
Warranty	1 year	1 year	1 year

RAID Controller

Networking Adapter

Expansion Card

Power Supply

Keyboard & Mouse

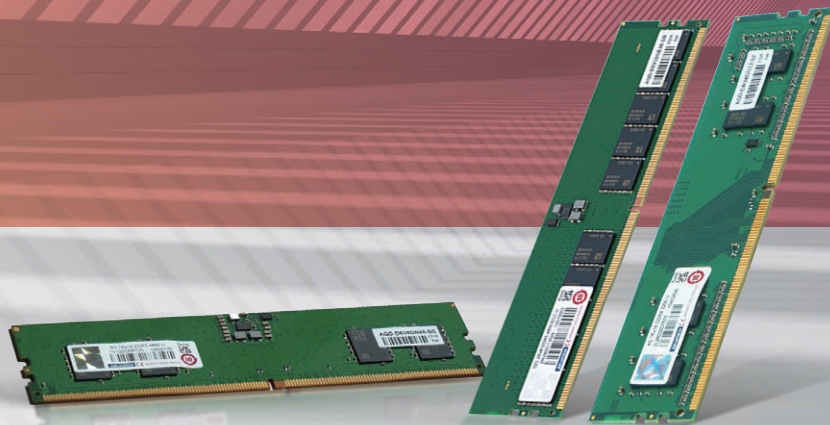
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• 02 •

ADVANTECH
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PERIPHERALS

Your Ultimate Sourcing Partner

AQD 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 m gold plating thickness connectors
- Built in anti-sulfur resistors feature

DRAM Memory Module

DDR5 Unbuffered



	AQD-D5V8GN48-SC	AQD-D5V16GN48-SB	AQD-D5V8GN56-SC	AQD-D5V16GN56-SB
Product Description	8GB DDR5-4800 1GX16 1.1V SAM	16GB DDR5-4800 2GX8 1.1V SAM	8GB DDR5-5600 1GX16 1.1V SAM	16GB DDR5-5600 2GX8 1.1V SAM
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	8GB	16GB	8GB	16GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	1 G x 16	2G x 8	1 G x 16	2G x 8
Rank	1 Rank	1 Rank	1 Rank	1 Rank
Interface	288 pin	288 pin	288 pin	288 pin
Frequency	4800 Mhz	4800 Mhz	5600 Mhz	5600 Mhz
Voltage	1.1 V	1.1 V	1.1 V	1.1 V
PCB Height	1.23"	1.23"	1.23"	1.23"
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)

DDR5 Unbuffered



Product	AQD-D5V32GN56-SB	AQD-D5V8GN56-HC	AQD-D5V16GN56-HB	AQD-D5V32GN56-HB
Product Description	32GB DDR5-5600 2GX8 1.1V SAM	8GB DDR5-5600 1GX16 1.1V Hyn	16GB DDR5-5600 2GX8 1.1V Hyn	32GB DDR5-5600 2GX8 1.1V Hyn
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	32GB	8GB	16GB	32GB
Chip Manufacturer	Samsung	Hynix	Hynix	Hynix
Chip Organization	2G x 8	1 G x 16	2G x 8	2G x 8
Rank	2 Rank	1 Rank	1 Rank	2 Rank
Interface	288 pin	288 pin	288 pin	288 pin
Frequency	5600 Mhz	5600 Mhz	5600 Mhz	5600 Mhz
Voltage	1.1 V	1.1 V	1.1 V	1.1 V
PCB Height	1.23"	1.23"	1.23"	1.23"
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

Networking
Adapter

Expansion
Card

Power
Supply

Keyboard &
Mouse

ARES

DRAM Memory Module

SO-DDR5 Unbuffered



Product	AQD-SD5V8GN48-SC	AQD-SD5V16GN48-SB	AQD-SD5V32GN48-SB
Product Description	8GB SO-DDR5-4800 1GX16 1.1V SAM	16GB SO-DDR5-4800 2GX8 1.1V SAM	32GB SO-DDR5-4800 2GX8 1.1V SAM
Brand	Advantech	Advantech	Advantech
Capacity	8GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1 G x 16	2G x 8	2 G x 8
Rank	1 Rank	1 Rank	2 Rank
Interface	262 pin	262 pin	262 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-SC	AQD-SD5V16GN56-SB	AQD-SD5V32GN56-SB
Product Description	8GB SO-DDR5-5600 1GX16 1.1V SAM	16GB SO-DDR5-5600 2GX8 1.1V SAM	32GB SO-DDR5-5600 2GX8 1.1V SAM
Brand	Advantech	Advantech	Advantech
Capacity	8GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1 G 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

SO-DDR5 Unbuffered



Product	AQD-SD5V8GN56-HC	AQD-SD5V16GN56-HB	AQD-SD5V32GN56-HB
Product Description	8GB SO-DDR5-5600 1GX16 1.1V Hyn	16GB SO-DDR5-5600 2GX8 1.1V Hyn	32GB SO-DDR5-5600 2GX8 1.1V Hyn
Brand	Advantech	Advantech	Advantech
Capacity	8GB	16GB	32GB
Chip Manufacturer	Hynix	Hynix	Hynix
Chip Organization	1 G 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)

DDR5 ECC



Product	AQD-D5V16GE48-SB	AQD-D5V32GE48-SB	AQD-D5V16GE56-SB	AQD-D5V32GE56-SB
Product Description	16GB ECC DDR5-4800 2GX8 1.1V SAM	32GB ECC DDR5-4800 2GX8 1.1V SAM	16GB ECC DDR5-5600 2GX8 1.1V SAM	32GB ECC DDR5-5600 2GX8 1.1V SAM
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	16GB	32GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	2 G x 8	2 G x 8	2 G x 8	2 G x 8
Rank	1 Rank	2 Rank	1 Rank	2 Rank
Interface	288 pin	288 pin	288 pin	288 pin
Frequency	4800 Mhz	4800 Mhz	5600 Mhz	5600 Mhz
Voltage	1.1 V	1.1 V	1.1 V	1.1 V
PCB Height	1.23"	1.23"	1.23"	1.23"
Feature	ECC	ECC	ECC	ECC
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

Networking Adapter

Expansion Card

Power Supply

Keyboard & Mouse

ARES

DRAM Memory Module

SO-DDR5 ECC



Product	AQD-SD5V16GE48-SB	AQD-SD5V32GE48-SB	AQD-SD5V16GE56-SB	AQD-SD5V32GE56-SB
Product Description	16GB ECC SO-DDR5-4800 2GX8 1.1V SAM	32GB ECC SO-DDR5-4800 2GX8 1.1V SAM	16GB ECC SO-DDR5-5600 2GX8 1.1V SAM	32GB ECC SO-DDR5-5600 2GX8 1.1V SAM
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	16GB	32GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	2 G x 8	2 G x 8	2 G x 8	2 G x 8
Rank	1 Rank	2 Rank	1 Rank	2 Rank
Interface	262 pin	262 pin	262 pin	262 pin
Frequency	4800 Mhz	4800 Mhz	5600 Mhz	5600 Mhz
Voltage	1.1 V	1.1 V	1.1 V	1.1 V
PCB Height	1.18"	1.18"	1.18"	1.18"
Feature	ECC	ECC	ECC	ECC
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)

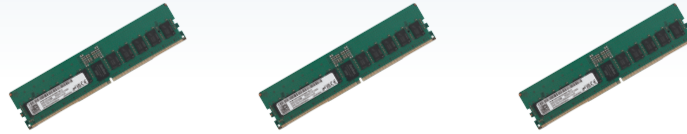
DDR5 Registered



Product	AQD-D5V16GR48-SB	AQD-D5V32GR48-SB	AQD-D5V16GR56-SB	AQD-D5V32GR56-SB
Product Description	16GB R-DDR5 4800 R-Dimm 2GX8 1.1V SAM	32GB R-DDR5 4800 R-Dimm 2GX8 1.1V SAM	16GB R-DDR5 5600 R-Dimm 2GX8 1.1V SAM	32GB R-DDR5 5600 R-Dimm 2GX8 1.1V SAM
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	16GB	32GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	2 G x 8	2 G x 8	2 G x 8	2 G x 8
Rank	1 Rank	2 Rank	1 Rank	2 Rank
Interface	288 pin	288 pin	288 pin	288 pin
Frequency	4800 Mhz	4800 Mhz	5600 Mhz	5600 Mhz
Voltage	1.1 V	1.1 V	1.1 V	1.1 V
PCB Height	1.23"	1.23"	1.23"	1.23"
Feature	Registered	Registered	Registered	Registered
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)

DRAM Memory Module

DDR5 Registered



Product	96D5-16G5600ER-MI	96D5-32G5600ER-MI	96D5-64G5600ER-MI
Product Description	16GB DDR5 5600 288PIN 1R 16Gb x8 REG 1.1V Micron	32GB DDR5 5600 288PIN 2R 16Gb x8 REG 1.1V Micron	64GB DDR5 5600 288PIN 2R 16Gb x8 REG 1.1V Micron
Brand	Micron	Micron	Micron
Capacity	16GB	32GB	64GB
Chip Manufacturer	Micron	Micron	Micron
Chip Organization	2 G x 8	2 G x 8	4 G x 4
Rank	1 Rank	2 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	Registered	Registered	Registered
Operating Temperature	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DDR4 Unbuffered



Product	AQD-D4U4GN32-SP	AQD-D4U8GN32-SE	AQD-D4U16GN32-SE	AQD-D4U32GN32-SB
Product Description	4G DDR4-2400 512X16 1.2V SAM	8GB DDR4 DIMM-3200 1GbX8 SAM	16GB DDR4 DIMM-3200 1GbX8 SAM	32GB DDR4 DIMM-3200 2GbX8 SAM
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	4GB	8GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	512M x 16	1 G x 8	1 G x 8	2 G 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	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

Networking Adapter

Expansion Card

Power Supply

Keyboard & Mouse

ARES

DRAM Memory Module

SO-DDR4 Unbuffered



Product	AQD-SD4U4GN32-SP	AQD-SD4U8GN32-SE	AQD-SD4U16GN32-SE	AQD-SD4U32GN32-SB
Product Description	4GB SO-DDR4 3200 512MX16 SAM	8GB DDR4 SODIMM-3200 1GbX8 SAM	16GB DDR4 SODIMM-3200 1GbX8 SAM	32GB DDR4 SODIMM-3200 2GbX8 SAM
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	4GB	8GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	512M x 16	1 G x 8	1 G x 8	2 G 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)

DDR4 ECC



Product	AQD-D4U8GE32-SE	AQD-D4U16GE32-SE	AQD-D4U32GE32-SB
Product Description	8G ECC-DDR4-3200 1.2V 1GX8 SAM	16G ECC-DDR4-3200 1.2V 1GbX8 SAM	32G ECC-DDR4 3200 1.2V 2GbX8 SAM
Brand	Advantech	Advantech	Advantech
Capacity	8GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1 G x 8	1 G x 8	2 G 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	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)	0 ~ 85°C (32 ~ 185°F)

DRAM Memory Module

SO-DDR4 ECC



Product	AQD-SD4U8GE32-SE	AQD-SD4U16GE32-SE	AQD-SD4U32GE32-SB
Product Description	8G ECC-SODDDR4-3200 1.2V 1GbX8 SAM	16G ECC-SODDDR4-3200 1.2V 1GbX8 SAM	32G ECC-SODDDR4 3200 1.2V 2GbX8 SAM
Brand	Advantech	Advantech	Advantech
Capacity	8GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1 G x 8	1 G x 8	2 G 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 Registered



Product	AQD-D4U8GR32-SE	AQD-D4U16GR32-SE	AQD-D4U32GR32-SB
Product Description	8G R-DDR4-3200 1.2V 1GbX8 SAM	16G R-DDR4-3200 1.2V 1GbX8 SAM	32G R-DDR4 3200 1.2V 2GbX8 SAM
Brand	Advantech	Advantech	Advantech
Capacity	8GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1 G x 8	1 G x 8	2 G 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	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

Networking Adapter

Expansion Card

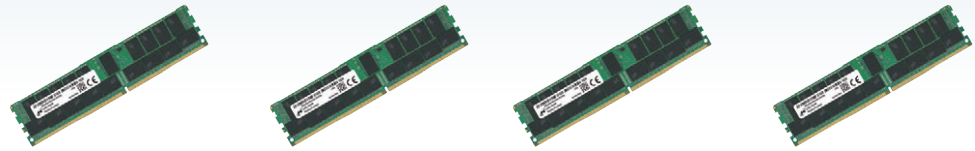
Power Supply

Keyboard & Mouse

ARES

DRAM Memory Module

DDR4 Registered



Product	96D4-16G3200ER-MI1	96D4-32G3200ER-MI	96D4-64G3200ER-M2	96D4-128G3200EL-MI
Product Description	Micron 8G DDR4 3200 288Pin 1GX8 Registered 1.2V	Micron 16G DDR4 3200 288Pin 1GX8 Registered 1.2V	Micron 32G DDR4 3200 288Pin 2GX4 Registered 1.2V	Micron 128G DDR4 3200 288PIN 8GX4 LRDIMM
Brand	Micron	Micron	Micron	Micron
Capacity	8 GB	16 GB	32 GB	128 GB
Chip Manufacturer	MICRON	MICRON	MICRON	MICRON
Chip Organization	1G X 8	1 G x 4	2 G x 4	8 G x 4
Rank	1 Rank	2 Rank	2 Rank	4 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	Registered	Registered	Registered	Registered
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)

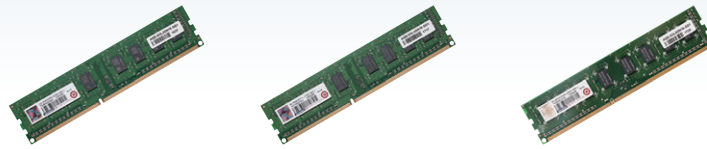
DDR4 Registered Wide-Temp



Product	AQD-D4U8GR32-SEW	AQD-D4U16R32-SEW	AQD-D4U32R32-SBW
Product Description	8G DDR4-3200 1GbX8 1.2V SAM -40~85C	16G DDR4-3200 1GbX8 1.2V SAM -40~85C	32G DDR4-3200 2GbX8 1.2V SAM -40~85C
Brand	Advantech	Advantech	Advantech
Capacity	8GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1 G x 8	1 G x 8	2 G 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)

DRAM Memory Module

DDR3 Unbuffered



Product	AQD-D3L2GN16-SQ1	AQD-D3L4GN16-SG1	AQD-D3L8GN16-SG1
Product Description	Advantech 2G DDR3-1600 240Pin 256Mx8 1.35V Unbuffered Samsung Chip	Advantech 4G DDR3-1600 240Pin 512Mx8 1.35V Unbuffered Samsung Chip	Advantech 8G DDR3-1600 240Pin 512Mx8 1.35V 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)

SO-DDR3 Unbuffered



Product	AQD-SD3L2GN16-SQ1	AQD-SD3L4GN16-SG1	AQD-SD3L8GN16-SG1
Product Description	Advantech 2G SO-DDR3-1600 204Pin 256Mx8 1.35V Unbuffered Samsung Chip	Advantech 4G SO-DDR3-1600 204Pin 512Mx8 1.35V Unbuffered Samsung Chip	Advantech 8G SO-DDR3-1600 204Pin 512Mx8 1.35V 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)

CPU

DRAM Memory Module

Solid State Drive

Hard Drive

Graphics Card

RAID Controller

Networking Adapter

Expansion Card

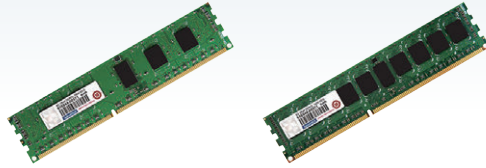
Power Supply

Keyboard & Mouse

ARES

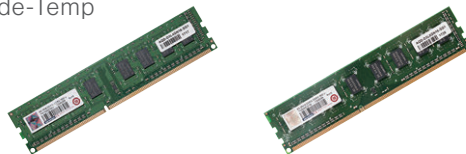
DRAM Memory Module

DDR3 Registered



Product	AQD-D3L4GR16-SG	AQD-D3L8GR16-SG
Product Description	4G R-DDR3-1600 1.35V&1.5V 512X8 SAM	8G R-DDR3-1600 1.35V&1.5V 512X8 SAM
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)

SO-DDR3 Unbuffered Wide-Temp



Product	AQD-SD3L4GN16-SGW	AQD-SD3L8GN16-SGW
Product Description	Advantech 4G SO-DDR3-1600 204Pin 512Mx8 1.35V Unbuffered Samsung Chip Wide Temperature	Advantech 8G SO-DDR3-1600 204Pin 512Mx8 1.35V Unbuffered Samsung Chip Wide Temperature
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

DDR5 Unbuffered Semi Wide-Temp

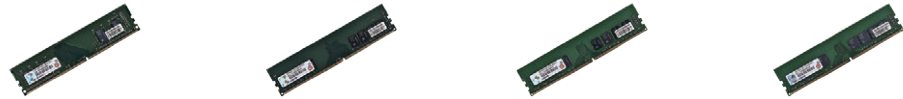
SO-DDR5 Unbuffered Semi Wide-Temp



Product	AQD-D5V8GN56-SCH	AQD-D5V16GN56-SBH	AQD-D5V32GN56-SBH
Product Description	8GB DDR5-5600 1GX16 1.1V SAM -20~85°C	16GB DDR5-5600 2GX8 1.1V SAM -20~85°C	32GB DDR5-5600 2GX8 1.1V SAM -20~85°C
Brand	Advantech	Advantech	Advantech
Capacity	8G	16G	32G
Chip Manufacturer	SAMSUNG	SAMSUNG	SAMSUNG
Interface	288PIN	288PIN	288PIN
Frequency	5600MHz	5600MHz	5600MHz
Voltage	1.1V	1.1V	1.1V
Feature	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	-20~85°C	-20~85°C	-20~85°C

Product	AQD-SD5V8GN56-SCH	AQD-SD5V16GN56-SBH	AQD-SD5V32GN56-SBH
Product Description	8GB SO-DDR5-5600 1GX16 1.1V SAM -20~85°C	8GB SO-DDR5-5600 1GX16 1.1V SAM -20~85°C	8GB SO-DDR5-5600 1GX16 1.1V SAM -20~85°C
Brand	Advantech	Advantech	Advantech
Capacity	8G	16G	32G
Chip Manufacturer	SAMSUNG	SAMSUNG	SAMSUNG
Interface	262PIN	262PIN	262PIN
Frequency	5600MHz	5600MHz	5600MHz
Voltage	1.1V	1.1V	1.1V
Feature	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	-20~85°C	-20~85°C	-20~85°C

DDR4 Unbuffered Semi Wide-Temp



Product	AQD-D4U4GN32-SP2	AQD-D4U8GN32-SE2	AQD-D4U16GN32-SE1	AQD-D4U32GN32-SB2
Product Description	4G DDR4-3200 512X16 1.2V SAM -20~85°C	8G DDR4-3200 1GX8 1.2V SAM -20~85°C	16G DDR4-3200 1GX8 1.2V SAM -20~85°C	32G DDR4-3200 2GX8 1.2V SAM -20~85°C
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	4G	8G	16G	32G
Chip Manufacturer	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG
Interface	288PIN	288PIN	288PIN	288PIN
Frequency	3200MHz	3200MHz	3200MHz	3200MHz
Voltage	1.2V	1.2V	1.2V	1.2V
Feature	Unbuffered	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	-20~85°C	-20~85°C	-20~85°C	-20~85°C

SO-DDR4 Unbuffered Semi Wide-Temp



Product	AQD-SD4U4GN32-SP2	AQD-SD4U8GN32-SE2	AQD-SD4U16GN32-SE1	AQD-SD4U32GN32-SB2
Product Description	4G SO-DDR4-3200 512X16 1.2V SAM -20~85°C	8G SO-DDR4-3200 1GX8 1.2V SAM -20~85°C	16G SO-DDR4-3200 1GX8 1.2V SAM -20~85°C	32G SO-DDR4-3200 2GX8 1.2V SAM -20~85°C
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	4G	8G	16G	32G
Chip Manufacturer	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG
Interface	260PIN	260PIN	260PIN	260PIN
Frequency	3200MHz	3200MHz	3200MHz	3200MHz
Voltage	1.2V	1.2V	1.2V	1.2V
Feature	Unbuffered	Unbuffered	Unbuffered	Unbuffered
Operating Temperature	-20~85°C	-20~85°C	-20~85°C	-20~85°C

DDR3 Unbuffered Semi Wide-Temp



Product	AQD-D3L4GN16-SGH	AQD-D3L8GN16-SGH
Product Description	4G DDR3-1600 512X8 1.35V&1.5V SAM -20~85°C	8G DDR3-1600 512X8 1.35V&1.5V SAM -20~85°C
Brand	Advantech	Advantech
Capacity	4G	8G
Chip Manufacturer	SAMSUNG	SAMSUNG
Interface	240PIN	240PIN
Frequency	1600MHz	1600MHz
Voltage	1.35V	1.35V
Feature	Unbuffered	Unbuffered
Operating Temperature	-20~85°C	-20~85°C

SO-DDR3 Unbuffered Semi Wide-Temp



Product	AQD-SD3L4GN16-SGH	AQD-SD3L8GN16-SGH
Product Description	4G SO-DDR3-1600 512X8 1.35V SAM -20~85°C	8G SO-DDR3-1600 512X8 1.35V SAM -20~85°C
Brand	Advantech	Advantech
Capacity	4G	8G
Chip Manufacturer	SAMSUNG	SAMSUNG
Interface	204PIN	204PIN
Frequency	1600MHz	1600MHz
Voltage	1.35V	1.35V
Feature	Unbuffered	Unbuffered
Operating Temperature	-20~85°C	-20~85°C

CPU

DRAM Memory Module

Solid State Drive

Hard Drive

Graphics Card

RAID Controller

Networking Adapter

Expansion Card

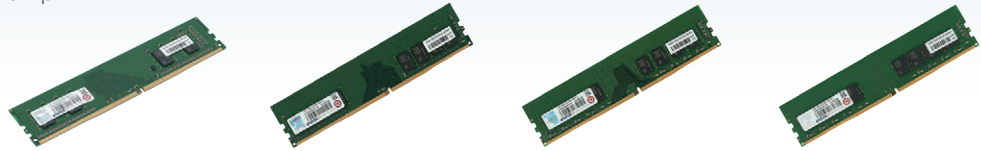
Power Supply

Keyboard & Mouse

ARES

DRAM Memory Module

DDR4 Unbuffered Wide-Temp



Product	AQD-D4U4GN32-SPW1	AQD-D4U8GN32-SEW1	AQD-D4U16N32-SEW1	AQD-D4U32N32-SBW1
Product Description	4G DDR4-3200 512GbX16 1.2V SAM -40~85C	8G DDR4-3200 1GbX8 1.2V SAM -40~85C	16G DDR4-3200 1GbX8 1.2V SAM -40~85C	32G DDR4-3200 2GbX8 1.2V SAM -40~85C
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	4GB	8GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	512M x 16	1 G x 8	1 G x 8	2 G 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)

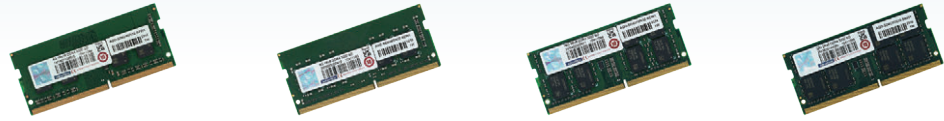
DDR4 ECC Wide-Temp



Product	AQD-D4U8GE32-SEW	AQD-D4U16E32-SEW	AQD-D4U32E32-SBW
Product Description	8G ECC DDR4-3200 1GbX8 1.2V SAM -40~85C	16G ECC DDR4-3200 1GbX8 1.2V SAM -40~85C	32G ECC DDR4-3200 2GbX8 1.2V SAM -40~85C
Brand	Advantech	Advantech	Advantech
Capacity	8GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1 G x 8	1 G x 8	2 G 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)

DRAM Memory Module

SO-DDR4 Unbuffered Wide-Temp



Product	AQD-SD4U4GN32-SPW1	AQD-SD4U8GN32-SEW1	AQD-SD4U16N32-SEW1	AQD-SD4U32N32-SBW1
Product Description	4G SO-DDR4-3200 512GbX16 1.2V SAM -40~85C	8G SO-DDR4-3200 1GbX8 1.2V SAM -40~85C	16G SO-DDR4-3200 1GbX8 1.2V SAM -40~85C	32G SO-DDR4-3200 2GbX8 1.2V SAM -40~85C
Brand	Advantech	Advantech	Advantech	Advantech
Capacity	4GB	8GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung	Samsung
Chip Organization	512M x 16	1 G x 8	1 G x 8	2 G 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)

SO-DDR4 ECC Wide-Temp



Product	AQD-SD4U8GE32-SEW	AQD-SD4U16E32-SEW	AQD-SD4U32E32-SBW
Product Description	8G ECC SO-DDR4-3200 1GbX8 1.2V SAM -40~85C	16G ECC SO-DDR4-3200 1GbX8 1.2V SAM -40~85C	32G ECC SO-DDR4-3200 2GbX8 1.2V SAM -40~85C
Brand	Advantech	Advantech	Advantech
Capacity	8GB	16GB	32GB
Chip Manufacturer	Samsung	Samsung	Samsung
Chip Organization	1 G x 8	1 G x 8	2 G 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)

CPU

DRAM Memory Module

Solid State Drive

Hard Drive

Graphics Card

RAID Controller

Networking Adapter

Expansion Card

Power Supply

Keyboard & Mouse

ARES

• 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 2.5" 480GB SATA3 3DTLC	Micron 5400PRO 2.5" 960GB SATA3 3DTLC	Micron 5400PRO 2.5" 1.9TB SATA3 3DTLC	Micron 5400PRO 2.5" 3.8TB SATA3 3DTLC
Manufacturer	Micron	Micron	Micron	Micron
Capacity	480 GB	960 GB	1920 GB	3840 GB
Form Factor	2.5"	2.5"	2.5"	2.5"
Interface	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
Sequential Read Performance	540 MB/s	540 MB/s	540 MB/s	540 MB/s
Sequential Write Performance	475 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 2.5" 480GB SATA3 3DTLC 5DWPD	Micron 5400MAX 2.5" 960GB SATA3 3DTLC 5DWPD
Manufacturer	Micron	Micron
Capacity	480 GB	960 GB
Form Factor	2.5"	2.5"
Interface	SATA 6 Gb/s	SATA 6 Gb/s
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

Networking Adapter

Expansion Card

Power Supply

Keyboard & Mouse

ARES

SSD

2.5"



Product	96FD25-S256-TS1	96FD25-S512-TS1	96FD25-S1TB-TS1	96FD25-S2TB-TS1
Product Description	SSSTC SEMI-WT SSD 256GB 2.5" SATA TLC -25°C-85°C	SSSTC SEMI-WT SSD 512GB 2.5" SATA TLC -25°C-85°C	SSSTC SEMI-WT SSD 1TB 2.5" SATA TLC -25°C-85°C	SSSTC SEMI-WT SSD 2TB 2.5" SATA Bics5 TLC -25°C ~ +85 °C
Manufacturer	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC
Capacity	256 GB	512 GB	1024 GB	2048 GB
Form Factor	2.5"	2.5"	2.5"	2.5"
Interface	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
Sequential Read Performance	550 MB/s	550 MB/s	550 MB/s	550 MB/s
Sequential Write Performance	480 MB/s	490 MB/s	500 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)	> 3,000,000 hours	> 3,000,000 hours	> 3,000,000 hours	> 3,000,000 hours
Operating Temperature	-25°C-85°C	-25°C-85°C	-25°C-85°C	-25°C-85°C
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC
Warranty	3 years	3 years	3 years	3 years

2.5"



Product	96FD25-S032-TR71	96FD25-S064-TR71
Product Description	Transcend 32GB 2.5" SATAIII MLC SSD	Transcend 64GB 2.5" SATAIII MLC SSD
Manufacturer	Transcend	Transcend
Capacity	32 GB	64 GB
Form Factor	2.5"	2.5"
Interface	SATA III	SATA III
Sequential Read Performance	290 MB/s	550 MB/s
Sequential Write Performance	60 MB/s	140 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.
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

SSD

2.5"



Product	96FD25-S128-TR71	96FD25-S256-TR71	96FD25-S256-ITR4
Product Description	Transcend 128GB 2.5" SATAIII MLC SSD	Transcend 256GB 2.5" SATAIII MLC SSD	TR 256GB 2.5" SSD SATAIII MLC -40~90°C
Manufacturer	Transcend	Transcend	Transcend
Capacity	128 GB	256 GB	256GB
Form Factor	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III
Sequential Read Performance	550 MB/s	550 MB/s	570 MB/s
Sequential Write Performance	440 MB/s	440 MB/s	400 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.	100.45 x 69.85 x 7 mm / 3.955 x 2.75 x 0.276 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)	MLC	MLC	MLC
Warranty	3 years	3 years	3 years

2.5"



Product	96FD25-S032-ITR4	96FD25-S064-ITR4	96FD25-S128-ITR4
Product Description	TR 32GB 2.5" SSD SATAIII MLC -40~90°C	TR 64GB 2.5" SSD SATAIII MLC -40~90°C	TR 128GB 2.5" SSD SATAIII MLC -40~90°C
Manufacturer	Transcend	Transcend	Transcend
Capacity	32GB	64GB	128GB
Form Factor	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III
Sequential Read Performance	280 MB/s	560 MB/s	570 MB/s
Sequential Write Performance	50 MB/s	110 MB/s	210 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.
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)	MLC	MLC	MLC
Warranty	3 years	3 years	3 years

CPU

DRAM
Memory
Module

Solid
State
Drive

Hard
Drive

Graphics
Card

RAID
Controller

Networking
Adapter

Expansion
Card

Power
Supply

Keyboard &
Mouse

ARES

SSD

2.5" SATA Semi Wide-Temp



Product	96FD25-S128-AH	96FD25-S256-AH	96FD25-S512-AH	96FD25-S1TB-AH	96FD25-S2TB-AH
Product Description	APACER SEMI-WT SSD 128GB 2.5" SATA Bics5 TLC -25°C ~ +85 °C	APACER SEMI-WT SSD 256GB 2.5" SATA Bics5 TLC -25°C ~ +85 °C	APACER SEMI-WT SSD 512GB 2.5" SATA Bics5 TLC -25°C ~ +85 °C	APACER SEMI-WT SSD 1TB 2.5" SATA Bics5 TLC -25°C ~ +85 °C	APACER SEMI-WT SSD 2TB 2.5" SATA Bics5 TLC -25°C ~ +85 °C
Manufacturer	Apacer	Apacer	Apacer	Apacer	Apacer
Capacity	128 GB	256 GB	512 GB	1024 GB	2048 GB
Form Factor	2.5"	2.5"	2.5"	2.5"	2.5"
Interface	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
Sequential Read Performance	540 MB/s	560 MB/s	560 MB/s	560 MB/s	560 MB/s
Sequential Write Performance	480 MB/s	510 MB/s	510 MB/s	510 MB/s	510 MB/s
Dimensions (W x H x D)	100.00 x 69.85 x 7.00 mm	100.00 x 69.85 x 7.00 mm	100.00 x 69.85 x 7.00 mm	100.00 x 69.85 x 7.00 mm	100.00 x 69.85 x 7.00 mm
MTBF (hours)	>3,000,000 hours	>3,000,000 hours	>3,000,000 hours	>3,000,000 hours	>3,000,000 hours
Operating Temperature	-25°C ~ +85 °C	-25°C ~ +85 °C	-25°C ~ +85 °C	-25°C ~ +85 °C	-25°C ~ +85 °C
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC	TLC
Warranty	3 year	3 year	3 year	3 year	3 year

2.5" SATA (SLC-liteX SSD)



Product	96FD25-S032-ASL	96FD25-S064-ASL	96FD25-S128-ASL	96FD25-S256-ASL	96FD25-S512-ASL
Product Description	Apacer 32GB 2.5" SSD SATA SLC Lite	Apacer 64GB 2.5" SSD SATA SLC Lite	Apacer 128GB 2.5" SSD SATA SLC Lite	Apacer 256GB 2.5" SSD SATA SLC Lite	Apacer 512GB 2.5" SSD SATA SLC Lite
Manufacturer	Apacer	Apacer	Apacer	Apacer	Apacer
Capacity	32 GB	64 GB	128 GB	256 GB	512 GB
Form Factor	2.5"	2.5"	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	540 MB/s	560 MB/s	560 MB/s	560 MB/s	560 MB/s
Sequential Write Performance	495 MB/s	510 MB/s	515 MB/s	510 MB/s	505 MB/s
Dimensions (W x H x D)	69.85 x 7 x100 mm	69.85 x 7 x100 mm	69.85 x 7 x100 mm	69.85 x 7 x100 mm	69.85 x 7 x100 mm
MTBF (hours)	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Operating Temperature	(Tc): 0°C to 70°C (32 ~ 158°F)	(Tc): 0°C to 70°C (32 ~ 158°F)	(Tc): 0°C to 70°C (32 ~ 158°F)	(Tc): 0°C to 70°C (32 ~ 158°F)	(Tc): 0°C to 70°C (32 ~ 158°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC	TLC
Warranty	5 years or exceeded up to 100k P/E count	5 years or exceeded up to 100k P/E count	5 years or exceeded up to 100k P/E count	5 years or exceeded up to 100k P/E count	5 years or exceeded up to 100k P/E count

mSATA Semi Wide-Temp



Product	96FD-M128-AH	96FD-M256-AH	96FD-M512-AH	96FD-M1TB-AH	96FD-M2TB-AH
Product Description	mSATA 128G SATA3 TLC SEMI WIDETEMP	mSATA 256G SATA3 TLC SEMI WIDETEMP	mSATA 512G SATA3 TLC SEMI WIDETEMP	mSATA 1TB SATA3 TLC SEMI WIDETEMP	mSATA 2TB SATA3 TLC SEMI WIDETEMP
Manufacturer	Apacer	Apacer	Apacer	Apacer	Apacer
Capacity	128GB	256GB	512GB	1TB	2TB
Form Factor	mSATA	mSATA	mSATA	mSATA	mSATA
Interface	SATA III	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	535 MB/s	560 MB/s	560 MB/s	560 MB/s	560 MB/s
Sequential Write Performance	500 MB/s	510 MB/s	515 MB/s	510 MB/s	515 MB/s
Dimensions (W x H x D)	29.85 x 4.85 x50.8 mm	29.85 x 4.85 x50.8 mm	29.85 x 4.85 x50.8 mm	29.85 x 4.85 x50.8 mm	29.85 x 4.85 x50.8 mm
MTBF (hours)	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Operating Temperature	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC	TLC
Warranty	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count

SSD

mSATA



Product	96FD-M032-TR72	96FD-M064-TR72	96FD-M128-TR72	96FD-M256-TR72
Product Description	Transcend mSATA 32G SATA3 MLC	Transcend mSATA 64G SATA3 MLC	Transcend mSATA 128G SATA3 MLC	Transcend mSATA 256G SATA3 MLC
Manufacturer	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)	50.8 x 29.85 x 4.85 mm / 2 x 1.175 x 0.19 in.	50.8 x 29.85 x 4.85 mm / 2 x 1.175 x 0.19 in.	50.8 x 29.85 x 4.85 mm / 2 x 1.175 x 0.19 in.	50.8 x 29.85 x 4.85 mm / 2 x 1.175 x 0.19 in.
MTBF (hours)	2,500,000 hours	2,500,000 hours	2,500,000 hours	2,500,000 hours
Operating Temperature	0°C to 70°C	0°C to 70°C	0°C to 70°C	0°C to 70°C
NAND Type (SLC/MLC/TLC)	MLC	MLC	MLC	MLC
Warranty	3 year	3 year	3 year	3 year

M.2 2242 (SATA)



Product	96FD42-S256-TS	96FD42-S512-TS	96FD42-S1TB-TS	96FD42-S2TB-TS
Product Description	SSSTC SEMI-WT SSD 256GB M.2 2242 SATA TL	SSSTC SEMI-WT SSD 512GB M.2 2242 SATA TLC	SSSTC SEMI-WT SSD 1TB M.2 2242 SATA TLC	SSSTC SEMI-WT SSD 2TB M.2 2242 SATA TLC
Manufacturer	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC
Capacity	256 GB	512 GB	1024 GB	2048 GB
Form Factor	M.2 2242	M.2 2242	M.2 2242	M.2 2242
Interface	SATA	SATA	SATA	SATA
Sequential Read Performance	550 MB/s	550 MB/s	550 MB/s	550 MB/s
Sequential Write Performance	480 MB/s	490 MB/s	500 MB/s	510 MB/s
Dimensions (W x H x D)	22 x 2.23 x 42 mm / 0.866 x 0.087 x 1.654 in.	22 x 2.23 x 42 mm / 0.866 x 0.087 x 1.654 in.	22 x 2.23 x 42 mm / 0.866 x 0.087 x 1.654 in.	22 x 2.23 x 42 mm / 0.866 x 0.087 x 1.654 in.
MTBF (hours)	>3,000,000 hours	>3,000,000 hours	>3,000,000 hours	>3,000,000 hours
Operating Temperature	-25°C to 85°C	-25°C to 85°C	-25°C to 85°C	-25°C to 85°C
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

Networking
Adapter

Expansion
Card

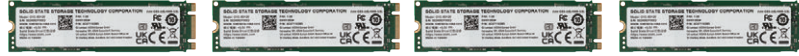
Power
Supply

Keyboard &
Mouse

ARES

SSD

M.2 2280 (SATA)



Product	96FD80-S256-TS	96FD80-S512-TS	96FD80-S1TB-TS	96FD80-S2TB-TS
Product Description	SSSTC SEMI-WT SSD 256GB M.2 2280 SATA TLC -25°C ~ +85 °C	SSSTC SEMI-WT SSD 512GB M.2 2280 SATA TLC -25°C ~ +85 °C	SSSTC SEMI-WT SSD 1TB M.2 2280 SATA TLC -25°C ~ +85 °C	SSSTC SEMI-WT SSD 2TB M.2 2280 SATA TLC -25°C ~ +85 °C
Manufacturer	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC
Capacity	256 GB	512 GB	1024 GB	2048 GB
Form Factor	M.2 2280	M.2 2280	M.2 2280	M.2 2280
Interface	SATA	SATA	SATA	SATA
Sequential Read Performance	550 MB/s	550 MB/s	550 MB/s	550 MB/s
Sequential Write Performance	480 MB/s	490 MB/s	500 MB/s	510 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)	>3,000,000 hours	>3,000,000 hours	>3,000,000 hours	>3,000,000 hours
Operating Temperature	-25°C to 85°C	-25°C to 85°C	-25°C to 85°C	-25°C to 85°C
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC
Warranty	3 years	3 years	3 years	3 years

M.2 2280 (SATA) Semi Wide-Temp



Product	96FD80-S128-AH	96FD80-S256-AH	96FD80-S512-AH	96FD80-S1TB-AH	96FD80-S2TB-AH
Product Description	APACER SEMI-WT SSD 128GB M.22280 SATA TLC -25°C ~ +85 °C	APACER SEMI-WT SSD 256GB M.22280 SATA TLC -25°C ~ +85 °C	APACER SEMI-WT SSD 512GB M.22280 SATA TLC -25°C ~ +85 °C	APACER SEMI-WT SSD 1TB M.22280 SATA TLC -25°C ~ +85 °C	APACER SEMI-WT SSD 2TB M.22280 SATA TLC -25°C ~ +85 °C
Manufacturer	Apacer	Apacer	Apacer	Apacer	Apacer
Capacity	128GB	256GB	512GB	1TB	2TB
Form Factor	M.2 2280	M.2 2280	M.2 2280	M.2 2280	M.2 2280
Interface	SATA III	SATA III	SATA III	SATA III	SATA III
Sequential Read Performance	535 MB/s	560 MB/s	560 MB/s	560 MB/s	560 MB/s
Sequential Write Performance	500 MB/s	510 MB/s	515 MB/s	510 MB/s	515 MB/s
Dimensions (W x H x D)	22 x 3.88 x 80 mm	22 x 3.88 x 80 mm	22 x 3.88 x 80 mm	22 x 3.88 x 80 mm	22 x 3.88 x 80 mm
MTBF (hours)	3000000	3000000	3000000	3000000	3000000
Operating Temperature	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC	TLC
Warranty	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count

SSD

M.2 2242 (NVMe)



Product	96FD42-P256-TS	96FD42-P512-TS	96FD42-P1TB-TS
Product Description	SSSTC M.2 2242 256GB NVME G4x4 DRAMLESS SSD TLC	SSSTC M.2 2242 512GB NVME G4x4 DRAMLESS SSD TLC	SSSTC M.2 2242 1TB NVME G4x4 DRAMLESS SSD TLC
Manufacturer	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC
Capacity	256GB	512GB	1TB
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

M.2 2280 (NVMe) Semi Wide-Temp



Product	96FD80-P256-TS1	96FD80-P512-TS1	96FD80-P1TB-TS1	96FD80-P2TB-TS1
Product Description	SSSTC M.2 2280 256GB NVME G4x4 DRAMLESS SSD -25°C ~ +85 °C	SSSTC M.2 2280 512GB NVME G4x4 DRAMLESS SSD -25°C ~ +85 °C	SSSTC M.2 2280 1TB NVME G4x4 DRAMLESS SSD -25°C ~ +85 °C	SSSTC M.2 2280 2TB NVME G4x4 DRAMLESS SSD -25°C ~ +85 °C
Manufacturer	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC	KIOXIA SSSTC
Capacity	256 GB	512 GB	1024 GB	2048 GB
Form Factor	M.2 2280	M.2 2280	M.2 2280	M.2 2280
Interface	PCIe	PCIe	PCIe	PCIe
Sequential Read Performance	3500 MB/s	4200 MB/s	5000 MB/s	5500 MB/s
Sequential Write Performance	450 MB/s	750 MB/s	850 MB/s	1450 MB/s
Dimensions (W x H x D)	22 x 2.23 x 80 mm	22 x 2.23 x 80 mm	22 x 2.23 x 80 mm	22 x 2.23 x 80 mm
MTBF (hours)	>3,000,000 hours	>3,000,000 hours	>3,000,000 hours	>3,000,000 hours
Operating Temperature	-25°C to 85°C	-25°C to 85°C	-25°C to 85°C	-25°C to 85°C
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

Networking
Adapter

Expansion
Card

Power
Supply

Keyboard &
Mouse

ARES

SSD

M.2 2280 (NVMe) Semi Wide-Temp



Product	96FD80-P128-AH	96FD80-P256-AH	96FD80-P512-AH	96FD80-P1TB-AH	96FD80-P2TB-AH
Product Description	APACER M.2 2280 128GB NVME G4x4 DRAMLESS SSD -25°C ~ +85 °C	APACER M.2 2280 256GB NVME G4x4 DRAMLESS SSD -25°C ~ +85 °C	APACER M.2 2280 512GB NVME G4x4 DRAMLESS SSD -25°C ~ +85 °C	APACER M.2 2280 1TB NVME G4x4 DRAMLESS SSD -25°C ~ +85 °C	APACER M.2 2280 2TB NVME G4x4 DRAMLESS SSD -25°C ~ +85 °C
Manufacturer	Apacer	Apacer	Apacer	Apacer	Apacer
Capacity	128GB	256GB	512GB	1TB	2TB
Form Factor	M.2 2280	M.2 2280	M.2 2280	M.2 2280	M.2 2280
Interface	PCIe	PCIe	PCIe	PCIe	PCIe
Sequential Read Performance	1570 MB/s	3130 MB/s	3635 MB/s	3700 MB/s	3700 MB/s
Sequential Write Performance	850 MB/s	1615 MB/s	3150 MB/s	3475 MB/s	3485 MB/s
Dimensions (W x H x D)	22 x 4.08 x 80 mm	22 x 4.08 x 80 mm	22 x 4.08 x 80 mm	22 x 4.08 x 80 mm	22 x 4.08 x 80 mm
MTBF (hours)	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Operating Temperature	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC	TLC	TLC
Warranty	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count

Semi Industrial Grade 2.5" SATA



Product	96FD25-S256-AC	96FD25-S512-AC	96FD25-S1TB-AC
Product Description	APACER SEMI-WT SSD 256GB 2.5" SATA Bics5 TLC -25°C ~ +85 °C	APACER SEMI-WT SSD 512GB 2.5" SATA Bics5 TLC -25°C ~ +85 °C	APACER SEMI-WT SSD 1TB 2.5" SATA Bics5 TLC -25°C ~ +85 °C
Manufacturer	Apacer	Apacer	Apacer
Capacity	256GB	512GB	1TB
Form Factor	2.5"	2.5"	2.5"
Interface	SATA III	SATA III	SATA III
Sequential Read Performance	560 MB/s	560 MB/s	560 MB/s
Sequential Write Performance	510 MB/s	510 MB/s	510 MB/s
Dimensions (W x H x D)	69.85 x7 x100 mm	69.85 x7 x100 mm	69.85 x7 x100 mm
MTBF (hours)	3000000	3000000	3000000
Operating Temperature	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)	(Tc): -25°C to 85°C (-13 ~185°F)
NAND Type (SLC/MLC/TLC)	TLC	TLC	TLC
Warranty	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count	3 years or exceeded up to 3k P/E count

• 04 •

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Hard Drive



- Available in a broad range of capacities, cache sizes and form factors
- 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	96ND2TB-ST-SG5KG1	96HD2T-ST-SG7KG	96HD4T-ST-WD7KG	96HD6T-ST-WD7KG
Product Description	SG 2.5" 2TB 5KRPM 7MM SATAIII 128MB	SG 2T 3.5" SATA3 7KRPM 256M	WD 4T 3.5" SATA3 5KRPM 256M	WD 6T 3.5" SATA3 5KRPM 256M
Manufacturer	Seagate	Seagate	Western Digital	Western Digital
Capacity	2 TB	2 TB	4 TB	6 TB
Size	3.5"	3.5"	3.5"	3.5"
Interface	SATA III	SATA III	SATA III	SATA III
24x7 Operation	No	No	No	No
Spindle Speed	5400RPM	7200RPM	5400RPM	5400RPM
Cache Size	128 MB	256 MB	256 MB	256 MB
Average Read Seek Time	2 ms	2 ms	2 ms	2 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.	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.
Operating Temperature	0 ~ 60°C (32 ~ 140°F)	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	30000	30000
Warranty	3 years	3 years	3 years	3 years

Video Storage HDD



Product	96HD2TB-ST-WD5KA3	96HD4TB-ST-SG5KA2	96HD6TB-ST-WD5KA4
Product Description	WD PURP 2TB 3.5" 5KRPM SATA3 128MB	SG AV 4TB 3.5" 5KRPM SATA3 256MB	WD AV 6TB 3.5" 5KRPM SATA3 256MB
Manufacturer	Western Digital	Seagate	Western Digital
Capacity	2 TB	4 TB	6 TB
Size	3.5"	3.5"	3.5"
Interface	SATA III	SATA III	SATA III
24x7 Operation	Yes	Yes	Yes
Spindle Speed	5400RPM	5400RPM	5400RPM
Cache Size	128 MB	256 MB	256 MB
Average Read Seek Time	2 ms	2 ms	2 ms
Dimensions (W x H x D)	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 26.1 x 147 mm / 4 x 1.028 x 5.787 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	1000000	1000000	1000000
Warranty	3 years	3 years	3 years

Hard Drive

Video Storage HDD



Product	96HD4TB-ST-WD5KA3	96HD6TB-ST-WD5KA4	96HD8TB-ST-SG7KA	96HD16TB-ST-SG7KA2
Product Description	WD AV 4TB 3.5" 5KRPM SATA3 256MB	WD AV 6TB 3.5" 5KRPM SATA3 256MB	SG AV 8TB 3.5" 7KRPM SATA3 256MB	SG AV 16TB 3.5" 7KRPM SATA3 256MB
Manufacturer	Western Digital	Western Digital	Seagate	Seagate
Capacity	4 TB	6 TB	8 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	5400RPM	5400RPM	5900RPM	5900RPM
Cache Size	256 MB	256 MB	256 MB	256 MB
Average Read Seek Time	2 ms	2 ms	12 ms	12 ms
Dimensions (W x H x D)	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.	101.6 x 26.11 x 146.99 mm / 4 x 1.028 x 5.787 in.
Operating Temperature	0 ~ 65°C (32 ~ 149°F)	0 ~ 65°C (32 ~ 149°F)	5 ~ 60°C (41 ~ 140°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

Server Storage HDD



Product	96HD2TB-ST-SG7KE4	96HD4TB-ST-SG7KE3	96HD6TB-ST-SG7KE3	96HD8TB-ST-SG7KE3
Product Description	SG Enterprise 3.5" 2TB 7KRPM SATA 256MB	SG Enterprise 3.5" 4TB 7KRPM SATA 256MB	SG Enterprise 3.5" 6TB 7KRPM SATA 256MB	Seagate Enterprise 3.5" 8TB SATAIII 7KRPM 256MB HDD
Manufacturer	Seagate	Seagate	Seagate	Seagate
Capacity	2 TB	4 TB	6 TB	8 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

CPU

DRAM Memory Module

Solid State Drive

Hard Drive

Graphics Card

RAID Controller

Networking Adapter

Expansion Card

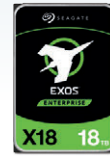
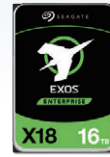
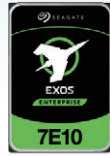
Power Supply

Keyboard & Mouse

ARES

Hard Drive

Server Storage HDD



Product	96HD10T-ST-SG7KE	96HD12T-ST-WD7KE	96HD16T-ST-SG7KE	96HD18T-ST-SG7KE
Product Description	SG ENT 3.5" SATA3 10TB 7KRPM 256MB	WD ENT 3.5" SATA3 12TB 7KRPM 256MB	SG ENT 3.5" SATA3 16TB 7KRPM 256MB	SG ENT 3.5" SATA3 18TB 7KRPM 256MB
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	SG ENT 3.5" SATA3 20TB 7KRPM 256MB	SG ENT 3.5" SATA3 22TB 7KRPM 512MB
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

• 05 •

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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-N4080SF16-6L	96VG-N4070TSF16-6L	96VG-N4070SF16-6L	96VG-N4070F16-6Z
Product Description	RTX 4080 Super 16GB HDMI+3DP Blower	RTX 4070 Ti Super 16GB HDMI+3DP Blower	RTX 4070 Super 12GB HDMI+3DP Blower	RTX 4070 12GB HDMI+3DP Blower
GPU Brand	NVIDIA	NVIDIA	NVIDIA	NVIDIA
Graphics Processing	RTX 4080 Super	RTX 4070 Ti Super	RTX 4070 Super	RTX 4070
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	16 GB	16 GB	12 GB	12 GB
Multi-View	4	4	4	4
Output	HDMI + DP x3	HDMI + DP x3	HDMI + DP x3	HDMI + DP x3
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.	267 x 111 x 35 mm / 10.5 x 4.4 x 1.4 in.	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.
Bracket	Full Height	Full Height	Full Height	Full Height
CUDA Cores	10240	8448	7168	5888
Total Graphics Power	320 W	285 W	225 W	200 W

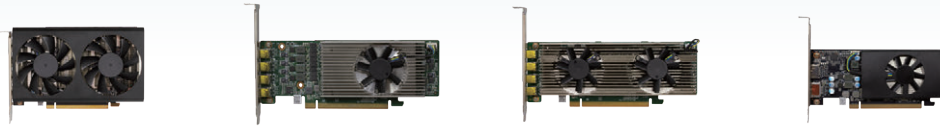
NVIDIA



Product	96VG-N4060TF16-6Z 96VG-N4060TF16-6Z1	96VG-N4060FX8-6Z	96VG-N3050FX8-6Z	96VG-N3050LX8-6T
Product Description	RTX 4060 Ti 8/16GB HDMI+3DP Blower	RTX 4060 8GB HDMI+3DP	RTX 3050 SOLO 8GB HDMI+3DP	RTX 3050 6GB 4x mDP
GPU Brand	NVIDIA	NVIDIA	NVIDIA	NVIDIA
Graphics Processing	RTX 4060 Ti	RTX 4060	RTX 3050	RTX 3050
Interface	PCIe 4.0 x 8	PCIe 4.0 x 8	PCIe 4.0 x 8	PCIe 4.0 x 8
Memory Type	GDDR6X	GDDR6	GDDR6	GDDR6
Memory Size	8/16 GB	8 GB	8 GB	6 GB
Multi-View	4	4	4	4
Output	HDMI + DP x3	HDMI + DP x3	HDMI + DP x3	mDP x4
Slot	2	2	2	2
Dimension (L x W x D)	280.4 x 126.5 x 41.7 mm / 11 x 5.0 x 1.6 in.	280 x 215 x 55 mm / 11 x 8.46 x 2.16 in.	168 x 132.2 x 39.8 mm / 6.6 x 5.2 x 1.6 in.	165 x 75 x 36 mm / 6.5 x 3.0 x 1.4 in.
Bracket	Full Height	Full Height	Full Height	Low Profile
CUDA Cores	4352	3072	2560	2304
Total Graphics Power	160 W	115 W	130 W	70 W

Graphics Card

AMD



Product	96VG-A6600FX8-6T	96VG-A6600LX8-6T	96VG-A6600LX8-6T1	96VG-A6400LX4-6T
Product Description	RX6600 8GB HDMI+3DP	RX6600 8GB 4x mDP	RX6600 8GB 4x mDP	RX6400 4GB HDMI+DP
GPU Brand	AMD	AMD	AMD	AMD
Graphics Processing	Radeon RX 6600	Radeon RX 6600	Radeon RX 6600	Radeon RX 6400
Interface	PCIe 4.0 x 8	PCIe 4.0 x 8	PCIe 4.0 x 8	PCIe 4.0 x 4
Memory Type	GDDR6	GDDR6	GDDR6	GDDR6
Memory Size	8 GB	8 GB	8 GB	4 GB
Multi-View	4	4	4	2
Output	HDMI + DP x3	mDP x4	mDP x4	HDMI + DP
Slot	2	1	2	1
Dimension (L x W x D)	175 x 111 x 38 mm / 6.9 x 4.4 x 1.49 in.	180 x 69 x 19mm / 7.1 x 2.7 x 0.75 in.	180 x 69 x 30 mm / 7.1 x 2.7 x 1.18 in.	152 x 69 x 19 mm / 5.9 x 2.7 x 0.75 in.
Bracket	Full Height	Low Profile	Low Profile	Low Profile
CUDA Cores	1792	1792	1792	768
Total Graphics Power	132 W	50 W	70 W	53 W

CPU

DRAM
Memory
Module

Solid
State
Drive

Hard
Drive

Graphics
Card

RAID
Controller

Networking
Adapter

Expansion
Card

Power
Supply

Keyboard &
Mouse

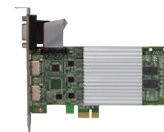
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Intel



Product	96VG-I380FX8-6T	96VG-I310LX8-6T
Product Description	Arc A380 6GB HDMI+3DP	Arc A310 4GB HDMI+2 mDP
GPU Brand	INTEL	INTEL
Graphics Processing	Arc A380	Arc A310
Interface	PCIe 4.0 x 8	PCIe 4.0 x 8
Memory Type	GDDR6	GDDR6
Memory Size	6 GB	4 GB
Multi-View	4	3
Output	HDMI + DP x3	HDMI + mDP x2
Slot	2	1
Dimension (L x W x D)	155 x 115 x 38 mm / 6.1 x 4.5 x 1.49 in.	154 x 69 x 19 mm / 6.1 x 2.7 x 0.75 in.
Bracket	Full Height	Low Profile
Xe -core	Xe -core 8	Xe -core 6
Total Graphics Power	75 W	50 W

SMI



Product	96VG-SM768LX1-3OT
Product Description	SM768 1GB 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	HDMI x2 + 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

• 06 •

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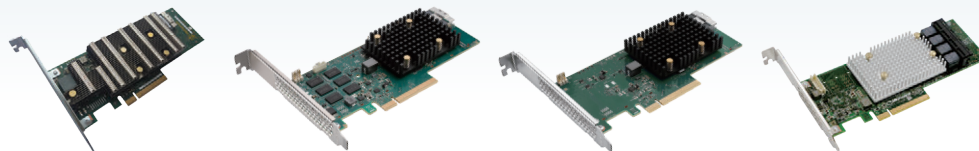
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RAID Controller



- Complete RAID type and application introduction for beginners
- 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-8P-PE-AD9	96RC-SAS-8P-PE-LS6	96RC-SAS-8P-PE-LS7	96RC-SAS-16PE-AD8
Product Description	Adaptec 3204-8i /e 8-Port 24Gb/s SAS/NVME RAID Adapter	MegaRAID 9560-8i 8-Port 12 Gb/s SAS/SATA/NVME RAID Adapter	MegaRAID 9540-8i 8-Port 12 Gb/s SAS/SATA/NVME RAID Adapter	Adaptec 3154-16i 16-Port 12 Gb/s SAS/SATA RAID Adapter
Manufacturer	Microchip	Broadcom	Broadcom	Microchip
Product Name	3204-8i	9560-8i	9540-8i	3154-16i
Controller Type	Hardware RAID	Hardware RAID	Hardware RAID	Hardware RAID
Drive Interface	NVME / SAS / SATA	NVME / SAS / SATA	NVME / SAS / SATA	SAS / SATA
Cache	4 GB	4 GB	4 GB	4 GB
Host Interface	PCIe 4.0 x8	PCIe 4.0 x8	PCIe 4.0 x8	PCIe 3.0 x8
RAID Levels	0, 1, 5, 6, 10, 50, 60, 1 Triple, 10 Triple	0, 00, 1, 10, 5, 6, 60	0, 00, 1, 10	0, 1, 5, 6, 10, 50, 60, 1 ADM and 10 ADM
SAS/SATA Ports	8 internal	8 Internal	8 Internal	16 Internal
Bandwidth	24 Gb/s	12 Gb/s	12 Gb/s	12 Gb/s
Cache Backup	No	Cache Vault, CVPM05	No	Yes, intergrated

CPU

DRAM Memory Module

Solid State Drive

Hard Drive

Graphics Card

RAID Controller

Networking Adapter

Expansion Card

Power Supply

Keyboard & Mouse

ARES



Product	96RC-SAS-8P-PE-AD8	96RC-SAS-8P-PE-AD6	96RC-SAS-4P-PE-AD7	96RC-SAS-4P-PE-AD6
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 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	2 GB	N/A	1 GB	1 GB
Host Interface	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8
RAID Levels	0, 1, 5, 6, 10, 50, 60, 1 ADM and 10 ADM	0, 1, 10, 5	0, 1, 5, 6, 10, 50, 60, 1 ADM and 10 ADM	0, 1, 10, 1 ADM and 10 ADM
SAS/SATA Ports	8 Internal	8 Internal	4 Internal	4 Internal
Bandwidth	12 Gb/s	12 Gb/s	12 Gb/s	12 Gb/s
Cache Backup	No	No	No	No

RAID Box



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

• 07 •

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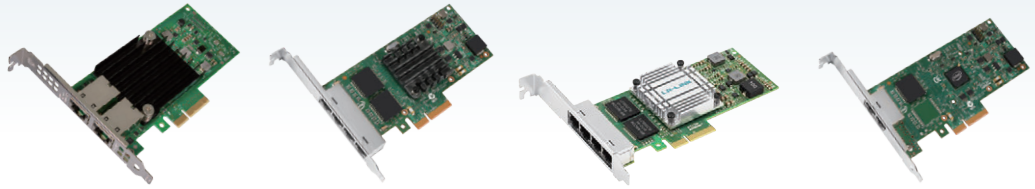
Networking Adapter



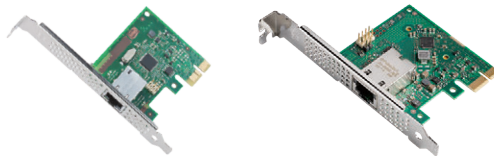
- High performance design supporting PCIe 3.0 with up to 8.0GT/s
- Flexible I/O virtualization for port partitioning and QoS of up to 64 virtual ports
- Providing broad interoperability, critical performance optimizations, and increased agility for Communications, Cloud, and Enterprise IT network solutions

Networking Adapter

RJ-45



Product	96NIC-10G2PR-IN	96NIC-1G4P-PE-IN2	96NIC-1G4PR-LR	96NIC-1G2P-PE-IN3
Product Description	INTEL 10GbE PCIe x8 2-Port RJ45 Networking Adapter	INTEL 1GbE PCIe x4 4-Port RJ45 Networking Adapter	LR-LINK 1GbE PCIe x4 4-Port RJ45 Networking Adapter	INTEL 1GbE PCIe x4 2-Port RJ45 Networking Adapter
Manufacturer	Intel	Intel	LR-LINK	Intel
Vertical Segment	Server	Server	Server	Server
Model	X550T2	I350T4V2	I350T4V2	I350T2V2
Controller	X550-AT2	I350-AM4	I350-AM4	I350-AM2
No. of Ports	2	4	4	2
Data Rate Per Port	10/1GbE and 100Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
Speed & Slot Width	8.0 GT/s, x4 Lane	5 GT/s, x4 Lane	5 GT/s, x4 Lane	5 GT/s, x4 Lane
Interface	PCI Express 3.0 x4	PCI Express 2.1 x4	PCI Express 2.1 x4	PCI Express 2.1 x4
Connectors	RJ45	RJ45	RJ45	RJ45
Bracket Height	Low profile and full height	Low profile and full height	Low profile and full height	Low profile and full height
TDP	3.9 W ~ 11.2 W	5 W	5 W	4.4 W
Cable Medium	Copper	Copper	Copper	Copper
Cabling Type	RJ45 Category 6 up to 55m; Category 6A up to 100m	Cat 5 up to 100m	Cat 5 up to 100m	Cat 5 up to 100m



Product	96NIC-1G1PR-IN	96NIC-2G1PR-IN1
Product Description	INTEL 1GbE PCIe x1 1-Port RJ45 Networking Adapter	INTEL 2.5GbE PCIe x1 1-Port RJ45 Networking Adapter
Manufacturer	Intel	Intel
Vertical Segment	Server	Desktop
Model	I210T1	I226T1
Controller	I210-AT	I226-LM
No. of Ports	1	1
Data Rate Per Port	10/100/1000 Mbps	2.5/1GbE and 100/10Mbps
Speed & Slot Width	2.5 GT/s, x1 Lane	5 GT/s, x1 Lane
Interface	PCI Express 2.1 x1	PCI Express 3.1 x1
Connectors	RJ45	RJ45
Bracket Height	Low profile and full height	Low profile and full height
TDP	1 W	1.4 W
Cable Medium	Copper	Copper
Cabling Type	Cat 5 up to 100m	CAT5e, CAT6, CAT6A

Networking Adapter

SFP



Product	96NIC-10G2PS-IN	96NIC-10G2PS-LR	96NIC-1G4PS-LR
Product Description	INTEL 10GbE PCIe x8 2-Port SFP+ Networking Adapter	LR-LINK 10GbE PCIe x8 2-Port SFP+ Networking Adapter	LR-LINK 1GbE PCIe x4 4-Port SFP Networking Adapter
Manufacturer	Intel	LR-LINK	LR-LINK
Vertical Segment	Server	Server	Server
Model	X710-DA2	X710-DA2	I350-F4
Controller	X710-BM2	X710-BM2	I350-AM4
No. of Ports	2	2	4
Data Rate Per Port	10/1GbE	10/1GbE	1GbE
Speed & Slot Width	8.0 GT/s, x 2 Lane	8.0 GT/s, x 2 Lane	5 GT/s, x4 Lane
Interface	PCI Express 3.0 x8	PCI Express 3.0 x8	PCI Express 2.1 x4
Connectors	SFP+	SFP+	SFP
Bracket Height	Low profile	Low profile and full height	Low profile and full height
TDP	4.3 W ~ 4.5 W	7.4 W	6 W
Cable Medium	Copper	Copper and Fiber	Fiber
Cabling Type	SFP+ Direct Attached Twinaxial Cabling up to 10m	SFP+ Direct Attached Twinaxial Cabling up to 10m	LC (Lucent Connector) Fiber Patch Cord

CPU

DRAM
Memory
Module

Solid
State
Drive

Hard
Drive

Graphics
Card

RAID
Controller

Networking
Adapter

Expansion
Card

Power
Supply

Keyboard &
Mouse

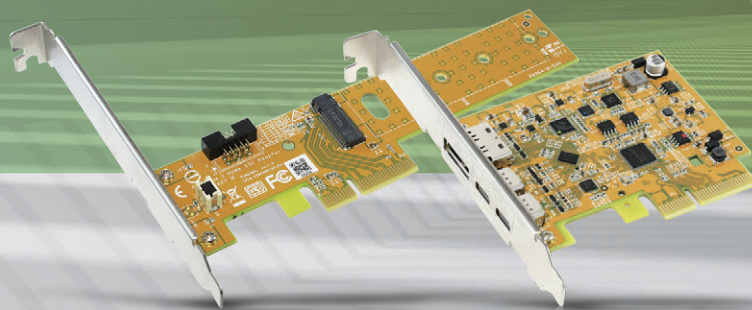
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• 08 •

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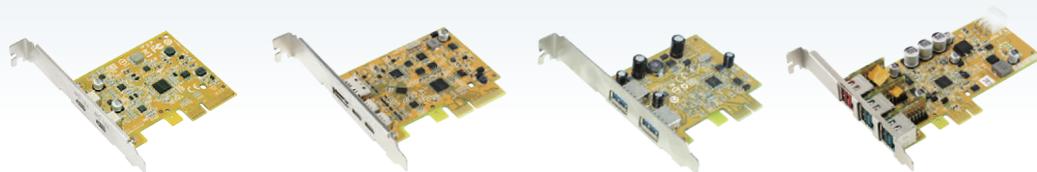
Expansion Card



- Multiple interfaces to support diverse applications, including USB Type-A, Type-C, Powered USB, and PCIe to M.2
- Supports USB 3.2 Gen2/3.1/3.0/2.0/1.1 with data transfer rates of up to 10 Gbps per port
- Powered USB helps retailers minimize clutter at POS locations

Expansion Card

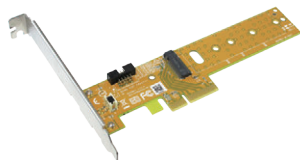
USB



Product	96EC-USBC2-SU	96EC-USBC2DP1-SU	96EC-USBA2-SU	96EC-USBP3-SU
Product Description	2-Port USB 3.2 Gen2 Type-C PCIe Card	1-Port DP, 2-Port USB 3.2 Gen 2 Type-C PCIe Card	2-Port USB 3.2 Gen1 Type-A PCIe Card	1-Port 24V & 2-Port 12V Powered USB 2.0 PCIe Card
Manufacturer	SUNIX	SUNIX	SUNIX	SUNIX
Host Interface	PCIe 3.0 x 2	PCIe 3.0 x 2	PCIe 2.0 x 2	PCIe 1.1 x 1
Interface	USB 3.2 Gen2 / Gen1 / 2.0 / 1.1	USB 3.2 Gen2 / Gen1 / 2.0 / 1.1	3.2 Gen1 / 2.0 / 1.1	USB 2.0
USB Ports	USB 3.2 Type-C x 2	USB 3.2 Type-C x 2	USB 3.0 Type-A x 2	Powered USB 2.0 x3
USB controller version	USB 3.2 Gen2, ASMedia ASM3142	USB 3.2 Gen2, ASMedia ASM3142	USB 3.0, Renesas (NEC) μ PD720202	USB 2.0, ASMedia ASM3042
Transmitting Speed	10G/5G/480/12/1.5 Mbps	10G/5G/480/12/1.5 Mbps	1.5/12/480/5000 Mbps	1.5, 12, and 480 Mbps
Output Capacity	USB Type-C Port: +5V _{dc} / 1.5A	USB Type-C Port: +5V _{dc} / 1.5A	USB Type-A Port: +5V / 900mA	Standard USB2.0 Port:* +5V _{dc} / Maximum 0.5A / each port Powered USB Port:* +24V _{dc} / Maximum 3.0A / each port +12V _{dc} / Maximum 3.0A / each port
Power Consumption	1.1 W @ 3.3V	3.0 W @ 3.3V	0.7W @ 3.3V	1.1 W @ 3.3V
USB Protection	\pm 8 KV IEC61000 4 2 Air Gap Discharge \pm 4 KV IEC61000 4 2 Contact Discharge	\pm 15KV IEC61000 4 2 Air Gap Discharge \pm 8KV IEC61000 4 2 Contact Discharge	N/A	\pm 15KV ESD protection for each signal Human Body Model (HBM) \pm 15KV IEC 6 1000 4 2 Air Gap Discharge \pm 8KV IEC 6 1000 4 2 Contact Discharge
Current Protection	N/A	USB Type C Port: +5 V _{dc} / 1.5 A each port / Power Switch	N/A	Standard USB2.0 Port: +5 V _{dc} / Share Maximum 2.0 A 3 port total Powered USB Port: +2.4 V _{dc} / 3.0 A @30V PTC fuse +12 V _{dc} / 3.0 A @16V PTC fuse
Dimension	80 x 68.5 mm	85.3 x 55 mm	78 x 68 mm	130 x 68 mm
Bracket	Standard 120 mm / Low Profile 80 mm	Standard 120 mm / Low Profile 80 mm	Standard 120 mm / Low Profile 80 mm	Standard 120 mm / Low Profile 80 mm

*: Total power output capacity will be limited by system power supply.

PCIeX4 to NVMe



Product	96EC-M2BM-SU
Product Description	PCIeX4 to NVMe M.2 Key-M Card
Manufacturer	SUNIX
Host Interface	PCIe 3.0 x 4
Interface	1 x 67 pin M.2 Key M slot
Dimension	156.1(L)x40.8(W)x1.6(H)mm

CPU

DRAM Memory Module

Solid State Drive

Hard Drive

Graphics Card

RAID Controller

Networking Adapter

Expansion Card

Power Supply

Keyboard & Mouse

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• 09 •

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Your Ultimate Sourcing Partner

Power Supply



- Comprehensive selection of high-efficiency power supplies
- Power supplies are fully tested by Advantech with 3-year warranty
- Quality products provided from first tier manufacturers, with enhanced components for industrial applications (Japanese capacitors + dual ball bearing fan)

- High thermal resilience, which provides full load under 50°C (some external power supplies 40°C)
- Order friendly with flexible minimum order quantity modification

DIN-Rail



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

Networking Adapter

Expansion Card

Power Supply

Keyboard & Mouse

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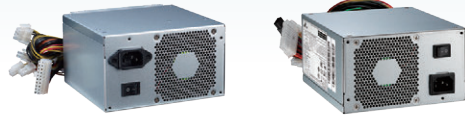
DIN-Rail



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/OC/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/OC/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/OC/OTP • LED indicator for DC OK

Power Supply

PS2 Power Supply



ATX 3.1 PS2 Power Supply



Product	PS8-500ATX-BB	PS8-700ATX-BB
Product Description	500W PS2 Power Supply	700W PS2 Power Supply
Manufacturer	FSP	FSP
Form Factor	PS2	PS2
Output Power	500W	700W
Input Type	AC to DC	AC to DC
Input Current	115V @ 8A max.	115V @ 10A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz
Efficiency	82%	82%
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	5~90% RH	95% 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
MTBF (hours)	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.
Safety	CB / UL / FCC / CE / TUV / CCC / KC / UKCA	CB / UL / FCC / CE / TUV / CCC / KC / UKCA
Eighty Plus Certified	80 Plus Bronze	80 Plus Bronze
Main Connector	ATX (20 + 4pin)	ATX (20 + 4pin)
PFC Function	Yes	Yes
FAN Function	Yes	Yes
Power Switch Function	Yes	Yes
EMC	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 Current protection Short Circuit protection

IPS-X62A850W-A	IPS-X64A1K2W-A
ATX 3.1 850W PS2 Power Supply	ATX 3.1 1200W PS2 Power Supply
LiteOn	LiteOn
PS2	PS2
850W	1200W
AC to DC	AC to DC
115V @ 10A max.	< 15A @ 115 V _{AC} < 7A @ 230 V _{AC}
100 - 240V _{AC}	100 - 240V _{AC}
47 - 63Hz	47 - 63Hz
87%	89%
0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)
-20 ~ 85°C (-4 ~ 185°F)	-20 ~ 85°C (-4 ~ 185°F)
5~90% RH	5~90% RH
+3.3V @ 20A +5V @ 20A +12V @ 70.5A -12V @ 0.3A +5Vsb @ 2.5A	+3.3V @ 20A +5V @ 20A +12V @ 100A -12V @ 0.3A +5Vsb @ 3A
100,000	100,000
150 x 86 x 140 mm / 5.9 x 3.3x 5.5 in.	150 x 86 x 160 mm / 5.9 x 3.3x 6.3 in.
CB / UL / FCC / CE / TUV / CCC / KC / BSMI / UKCA	CB / UL / FCC / CE / TUV / CCC / KC / BSMI / UKCA
80 Plus Gold	80 Plus Platinum
ATX (20 + 4pin)	ATX (20 + 4pin)
Yes	Yes
Yes	Yes
Yes	Yes
Class B	Class B
<ul style="list-style-type: none"> Intel® ATX 3.1 compliant High-efficiency 80 PLUS Gold rating Compact Design with shorter 140 mm in length Ultra quiet via smart fan silence mode (<20% load) Industrial-grade working temperature up to 50°C Ultra durable and stable with Japanese capacitors 	<ul style="list-style-type: none"> Intel® ATX 3.1 compliant High efficiency 80 PLUS Platinum certified Compact Design with shorter 160 mm in length Fully modular design with cable management Supports PCIe 5.1 GPU with 12V-2x6 connector Industrial-grade working temperature up to 50°C

CPU

DRAM Memory Module

Solid State Drive

Hard Drive

Graphics Card

RAID Controller

Networking Adapter

Expansion Card

Power Supply

Keyboard & Mouse

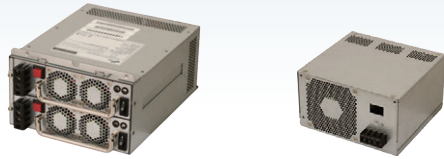
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Flex ATX Power Supply



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 @ 17A -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

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

CPU

DRAM
Memory
Module

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Drive

Hard
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Graphics
Card

RAID
Controller

Networking
Adapter

Expansion
Card

Power
Supply

Keyboard &
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Redundant Power Supply



Product	RPS8-500ATX-GB	RPS8-750ATX-XE
Product Description	500W Mini Redundant	750W Mini Redundant
Manufacturer	FSP	FSP
Form Factor	Mini Redundant	Mini Redundant
Output Power	500W	750W
Input Type	AC to DC	AC to DC
Input Current	115V @ 6A max.	115V @ 10A max.
Input Voltage Range	100 - 240V _{AC}	100 - 240V _{AC}
Input Frequency	47 - 63Hz	47 - 63Hz
Efficiency	88%	88%
Operating Temperature	0 ~ 50°C (32 ~ 122°F)	0 ~ 60°C (32 ~ 140°F)
Storage Temp	-20 ~ 80°C (-4 ~ 176°F)	-40 ~ 75°C (-40 ~ 158°F)
Storage Humidity	5 - 90% RH	95% RH
Output Rating	+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
Dimensions (W x H x D)	150 × 84 × 190 mm / 5.9 × 3.3 × 7.5 in.	150 × 84 × 200 mm / 5.9 × 3.3 × 7.8 in.
Safety	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
Main Connector	ATX (20 + 4pin)	ATX (20 + 4pin)
PFC Function	Yes	Yes
FAN Function	Yes	YES
Power Switch Function	Yes	No
EMC	Class B	Class B
Features	<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

Adapters



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)

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Adapters



Product	96PSA-A150W19P4-4	PSA-A45WM-U	96PSA-A65WPDUC	96PSA-A90WPDUC
Product Description	150W 19V C14	PD Adapter 45W US Type Plug	PD Adapter 65W	PD Adapter 90W
Manufacturer	FSP	Advantech	Delta	Delta
Output Power	150W	45W	65W	90W
Output Connector	Terminal Block 4 Pin	USB Type C	USB Type C	USB Type C
Input Type	AC to DC	AC to DC	AC to DC	AC to DC
Input Current	100V @ 2A max.	90V @ 1.2A max.	100V @ 1.5A max.	100V @ 1.5A 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	87% min.	87% max.	87% max.	89% max.
Max Temperature	70°C @ 70%	40C @ 100%	40C @ 100%	40C @ 100%
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	-20 ~ 80°C (-4 ~ 176°F)	-30 ~ 60°C (-22 ~ 140°F)	-30 ~ 80°C (-22 ~ 176°F)	-30 ~ 80°C (-22 ~ 176°F)
Storage Humidity	10 - 90% RH	8 - 80% RH	5 - 95% RH	5 - 95% RH
Output Rating	19VDC@7.89A	+5V @ 3A +9V @ 3A +12V @ 3A +15V @ 3A +20V @ 2.25A	+5V @ 3A +9V @ 3A +12V @ 3A +15V @ 3A +20V @ 3.25A	+5V @ 3A +9V @ 3A +12V @ 3A +15V @ 3A +20V @ 4.5A
MTBF (hours)	100,000	300,000	150,000	150,000
Cable Length (mm)	1,500	N/A	1,800	1,600
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.	66.0 x 66.0 x 28.5 mm / 26.0 x 26.0 x 11.3 in.	75.0 x 75.0 x 28.8 mm / 29.6 x 29.6 x 11.4 in.
Safety	CB / UL / FCC / CE / TUV / RCM / CCC / PSE / KC / EAC / UKCA / Efficiency Level VI	CB / UL / FCC / Efficiency Level VI	CB / UL / FCC / CE / TUV / RCM / CCC / PSE / KC / EAC / BIS / UKCA / Efficiency Level VI	CB / UL / FCC / CE / TUV / RCM / CCC / PSE / KC / BIS / UKCA / Efficiency Level VI
PFC Function	Yes	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 ≤0.21W • 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/OCP/SCP/OTP protection 	<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/OCP/SCP/OTP protection 	<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/OCP/SCP/OTP protection

• 10 •

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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
Band	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 Set



Product	96KBMS-104U-LT-TB	96KBMS-104W-LT-TB	96KBMS-104W-LT-UB	96KBMS-104U-LT-UB
Product Description	Logitech Keyboard + Mouse USB US English layout Black	Logitech Keyboard + Mouse USB Chinese layout Black	Logitech Wireless Keyboard + Mouse USB US English layout Black	Logitech Wireless Keyboard + Mouse USB Chinese layout Black
Band	Logitech	Logitech	Logitech	Logitech
Color	Black	Black	Black	Black
Number of Keys	104 Keys	104 Keys	111 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	N/A	Keyboard: 75mA; Mouse: 100mA
Language	US English	Traditional Chinese	US English	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.	149 x 18 x 441 mm / 5.87 x 0.76 x 17.36 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.	556.5 g / 1.22 lb.	1080 g / 2.38 lb.
Manufacture Warranty	3 years	3 years	3 years	2 years

• 11 •

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Industrial-Grade Mounting Solution

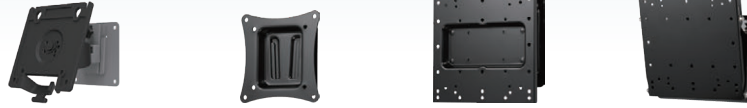


- Patented tug-resistant VESA mounts ensure stability and secure cable connections during frequent adjustments
- Offers industrial-grade wall-mount kits, table stands, workstations, and long-reach arms
- Versatile and ergonomic design ensures reliability at every angle

- Integrated cable management keeps cables organized and clutter-free
- Adaptable design facilitates quick installation and maintenance

ARES

ARES-1



Product	ARES-1204G	ARES-12250	ARES-12290	ARES-12390
Description	Wall Mount with enhanced VESA bracket, support 2~10 kg, 75x75/100x100mm	Wall Mount, 75x75 / 100x100 mm, max. support 25kg	Wall Mount, 100x100 / 200x100 / 200x200 mm , max support 60kg	Wall Mount, 100x100 / 200x100 / 200x200 mm, max support 60kg, tiltable
Warranty	2 Years	2 Years	2 Years	2 Years
Carton dimension L x W x H mm	120 x 134 x 94	244 x 232 x 43	244 x 232 x 43	267 x 244 x 55
Gross Weight	0.76	0.33	1.65	2.32
Net Weight	0.55	0.3	1.34	2.2
Supported Weight	2 ~ 10kg	max. 25kg	max. 60kg	max. 60kg
Support Panel Size	15" ~ 32"	15" ~ 32"	22" ~ 52"	22" ~ 52"
Cable Management	Yes	No	No	No
Material	Steel	Steel	Steel	Steel
VESA Mount	75 x 75 mm 100 x 100 mm	"75 x 75 mm 100 x 100 mm	200 x 200 mm / 200 x 100 mm / 100 x 100 mm	200 x 200 mm / 200 x 100 mm / 100 x 100 mm
Dimensions	*	*	*	*
Monitor Quantity	1	1	1	1
Manufacturer Country	Taiwan	Taiwan	Taiwan	Taiwan

ARES-2



Product	ARES-2414X	ARES-2424X	ARES-2425X	ARES-24R3G	ARES-2423S	
Description	Desk stand compatible with 75x75 mm VESA patterns. It can tilt -2° (down) ~ +180° (up) and screens up to 17"	Desk stand compatible with 75x75 mm / 100x100 mm VESA patterns. It can tilt -2° (down) ~ +180° (up) and screens up to 21.5"	Desk stand compatible with 75x75 mm / 100x100 mm VESA patterns. It can tilt -2° (down) ~ +180° (up) and screens up to 27"	Height Adjusting Table Stand with Patented VESA Bracket. It is Compatible with 75 x 75mm or 100 x 100mm VESA patterns. It can tilt -5° (down) ~ +25° (up) and screens up to 27"	Height-adjusting desk stand compatible with 75x75/100x100 mm VESA patterns. It can tilt -5° (down) ~ +20° (up) and screens up to 34"	
Net Weight	1.61 Kg / 3.55lbs	1.75 Kg / 3.86lbs	2.03 Kg / 4.48lbs	3.15 Kg / 6.95lbs	4Kg / 8.82lbs	
Dimension (W x H x D)	203 x 213 x 227 mm / 7.99 x 8.39 x 8.94 in	203 x 275 x 227mm / 8 x 10.83 x 8.94 in	222 x 434 x 252 mm / 8.74 x 17.09 x 9.92 in	222 x 432 x 252 mm / 8.74 x 17.01 x 9.92 in	300 x 478 x 250 mm / 11.81 x 18.82 x 9.84 in	
Screw Type	M4	M4	M4	M4	M4	
Material	Steel, Plastic, Zinc	Steel, Aluminum Alloy, Plastic	Steel, Aluminum, Plastic	Steel, Plastic, Aluminum	Steel, Plastic, Aluminum	
Hinge Module	Swivel	N/A	N/A	360°	360°	
	Tilt	-2° (down) ~ +180° (up)	-2° (down) ~ +180° (up)	-5° ~ +25°	-5° ~ +20°	
	Pivot	N/A	N/A	360°	90°	
	Adjustable Torque	N/A	N/A	Yes	Yes	
Display Support	Mount Pattern	75x75	100x100 / 75x75	100x100 / 75x75	100x100 / 75x75	
	Display Type	Single Monitor	Single Monitor	Single Monitor	Single Monitor	
	Panel Size	≤17"	≤21.5"	≤27"	≤24"	21.5" ~ 34"
	Max. Weight	13kg (28.7lbs)	15kg (33.1lbs)	20kg (44.09lbs)	6 ~ 12 kg/13.22 ~ 26.45 lb	4 ~ 12 kg/8.81 ~ 26.45 lb
Height Adjust	Adjustment Range	N/A	N/A	N/A	130mm (5.12")	130mm (5.12")
	Adjustable Tension	No	No	No	Yes	Yes
Cable Management	Yes	Yes	Yes	Yes	Yes	
Manufacturer Country	Taiwan	Taiwan	Taiwan	Taiwan	Taiwan	

ARES

ARES-5



Product	ARES-5252G	ARES-5222A	ARES-5221C	ARES-5221B	ARES-5223D
Description	Wall Arm w/enhanced VESA, support $\leq 32"$, 2~10 kg, 75 x 75 / 100 x 100 mm	Wall Arm, support 32", support 2 ~ 10 kg, 75 x 75 / 100 x 100 mm	Workstation, $\leq 27"$, sup2~8kg, dual arm w/KBtray	Workstation, $\leq 27"$, sup2~8kg, S+G, singarm w/KBtray	Workstation, $\leq 24"$, sup6~12kg, dualdis w/KBtray
Warranty	2 Years	2 Years	2 Years	2 Years	2 Years
Carton dimension L x W x H mm	TBC	463 x 218 x 143	578 x 412 x 212	578 x 412 x 212	784 x 412 x 212
Gross Weight	2.7	2.81	12.11	10.34	13
Net Weight	1.77	2.1	11.41	9.26	11.76
Supported Weight	2~10Kg	2~10Kg	2 ~ 8 kg	2 ~ 8 kg	6 ~ 12 kg
Support Panel Size	$\leq 32"$	$\leq 32"$	$\leq 27"$	$\leq 27"$	$\leq 24"$
Cable Management	Yes	Yes	Yes	Yes	Yes
Material	Steel/Plastic/Aluminum	Steel/Plastic/Aluminum	Steel/Plastic/Aluminum	Steel/Plastic/Aluminum	Steel/Plastic/Aluminum
VESA Mount	75 x 75 mm 100 x 100 mm	75 x 75 mm 100 x 100 mm	75 x 75 mm 100 x 100 mm	75 x 75 mm 100 x 100 mm	75 x 75 mm 100 x 100 mm
Dimensions	*	*	*	*	*
Monitor Quantity	1	1	1	1	1
Manufacturer Country	Taiwan	Taiwan	Taiwan	Taiwan	Taiwan

ARES-7



Product	ARES-7621C / 7623C	ARES-7321I	ARES-7221A
Description	Medical Ceiling Arm, support 15" ~ 24", 1 ~ 6.5kg, ceiling length 1100 ~ max. 1700cm, without cable, 75x75 / 100 x 100 mm	Medical Wall Mount Arm, support 15" ~ 24", 1 ~ 6.5 kg, without cable, 75x75 / 100 x 100 mm	Medical Wall Mount Arm, support 15" ~ 24", 1 ~ 6.5kg, without cable, 75x75 / 100 x 100 mm
Warranty	2 Years	2 Years	2 Years
Carton dimension L x W x H mm	894 x 559 x 183 + 1146 x 318 x 330	1146 x 559 x 330 + 367 x 249 x 167	1259 x 469 x 230
Gross Weight	10.3	13.8	14.86
Net Weight	8.2	11.4	12.96
Supported Weight	1~6.5kg	1 ~ 6.5 kg	1 ~ 6.5 kg
Support Panel Size	15"~24"	15"~24"	15"~24"
Cable Management	Yes	Yes	Yes
Material	Steel/Aluminum Alloy/Plastic	Steel/Aluminum Alloy/Plastic	Steel/Aluminum Alloy/Plastic
VESA Mount	75 x 75 mm 100 x 100 mm	75 x 75 mm 100 x 100 mm	75 x 75 mm 100 x 100 mm
Dimensions	*	*	*
Monitor Quantity	1	1	1
Manufacturer Country	Taiwan	Taiwan	Taiwan

CPU

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Module

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