

AGS-923

2U Rackmount Intel® Xeon® E5-2600 v3/v4 GPU Server, Supporting 4 x PCIe x16 Double-depth Cards and 1 x PCIe x8 Single-depth FH/HL Card



Features

- Processor: Dual Intel® Xeon® E5-2600 v4/v3 series
- Memory: DDR4 1600/1866/2133 MHz ECC-REG type up to 256GB
- Remote Management: IPMI function support
- Expansion: Supporting 4 * PCIe x16 double-depth card + 1* PCIe x8 single-depth FH/HL card
- PSU: max 1800W 1+1 redundant power supply with 80 PLUS Platinum level certification

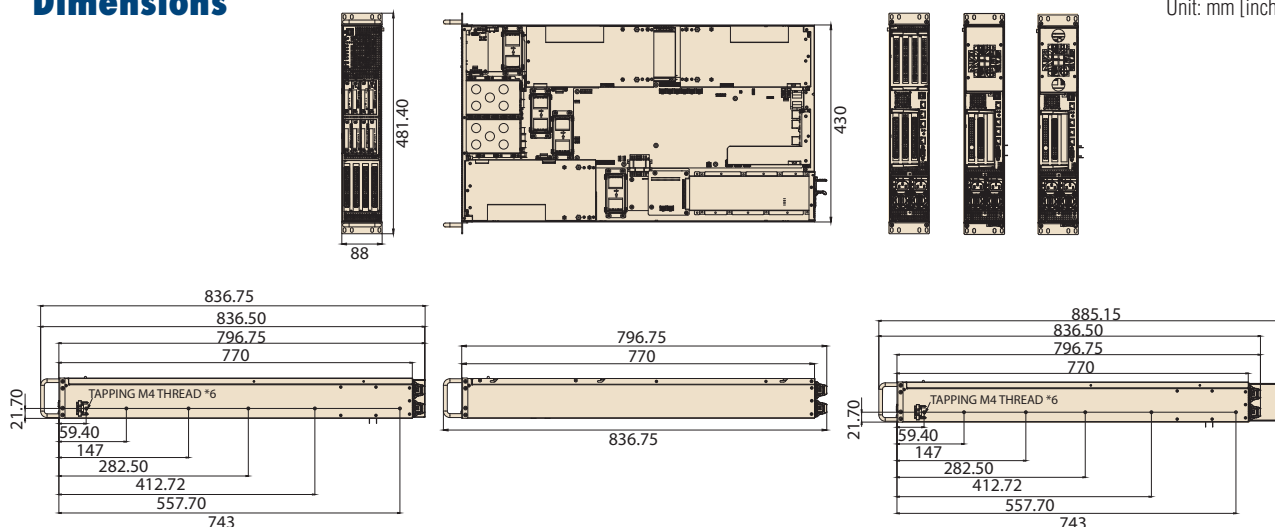
CE FCC

Specifications

Processor System	Chipset	Intel C612 Chipset
	CPU	Dual Intel LGA2011 Xeon E5-2600 v3/v4 processor (up to 145W TDP)
	L2 Cache	Up to 30 MB
	Memory	8 x DDR4 1600/1866/2133 ECC-REG DIMM, up to 256GB
Graphics	Controller	Aspeed AST2400
	VRAM	64 MB
Expansion Slot	Slot location 1 (Upper Middle slot)	PCIe x 8 slot (Gen3 x8 link) for single-depth 4.376"(H)/6.4"(L) expansion cards
	Slot location 2 (Lower Right slot)	PCIe x16 slot (Gen3 x16 link), for double-depth 4.376"(H)/10.5"(L) expansion cards
	Slot location 3 (Upper Left slot/bottom)	PCIe x16 slot (Gen3 x16 link), for double-depth 4.376"(H)/10.5"(L) expansion cards, support 12"(L) when remove 8020 FAN
	Slot location 4	-
	Slot location 5 (Upper Left slot/top)	PCIe x16 slot (Gen3 x16 link), for double-depth 4.376"(H)/10.5"(L) expansion cards, support 12"(L) when remove 8020 FAN
	Slot location 6 (Lower Left slot)	PCIe x16 slot (Gen3 x16 link), for double-depth 4.376"(H)/10.5"(L) expansion cards
Drive Bay	2.5" (Hot-swap)	8 (4 from SATA III and 4 from slave SATA III on-board)
	3.5" (Front Accessible)	-
	3.5" Internal	-
Ethernet	Interface	4 x 10/100/1000 Mbps Gigabit Ethernet
	Controller	4 x Intel I210AT
Front I/O Interface	USB	2 x USB2.0
	USB	2 x USB3.0
Rear I/O Interface	PS/2	-
	COM	-
	Display	1 x VGA
	RJ-45	4 (1 is sharing NIC for IPMI)
	Type-A USB	1
Internal connector	COM	2
	LPC	1
Watchdog Timer	Output	System reset
	Interval	Programmable, 1~255 sec
Power Supply	Power Output Wattage	80 PLUS Platinum 1800W 1+1 redundant Power Supply 1000W @ 100 ~ 127V 1800W @ 200 ~ 240V
		80 PLUS Platinum 1400W 1+1 redundant Power Supply 900W @ 100 ~ 120V 1400W @ 200 ~ 240V
	Input Range	AC 100 ~ 240 V
Cooling	Chassis Fan	[1800W] 3 * 80 x 38 + 2 * 80 x 38 high speed fan [1400W] 4 * 80 x 38 + 1 * 80x20 + 1 * 80 x 38 (optional) high speed fan
	Air Filter	-
Miscellaneous	LED Indicators	Power status, HDD activity, LAN status, location, error message
	Remote Management	Advantech Remote Monitoring Utility
Environment	Operating Non-Operating	
	Temperature	0 ~ 30 °C (32 ~ 86 °F, for 1800W) 0 ~ 40 °C (32 ~ 104 °F, for 1400W)
	Humidity	10 ~ 85% @ 40 °C 10 ~ 95% @ 40 °C
	Vibration (5 ~ 500 Hz)	0.5 Grms 2 G
	Shock	10G (with 11ms duration, half sine wave)
Physical Characteristics	Dimension (W x H x D)	[1800W] 430 x 88 x 798 mm (16.9" x 3.4" x 31.4")
		[1400W] 430 x 88 x 770 mm (16.9" x 3.4" x 30.3")

Dimensions

Unit: mm [inch]



Front View



Supports 1 x PCIe x 16 double deck/
1 x single deck FH card

Rear View

1400W



Supports 1 x PCIe x8 FH/HL card

Supports 2 x PCIe X16 double deck/
2 x single deck FH card

1800W



Supports 1 x PCIe x8 FH/HL card

Supports 2 x PCIe X16 double deck/
2 x single deck FH card

Inside View

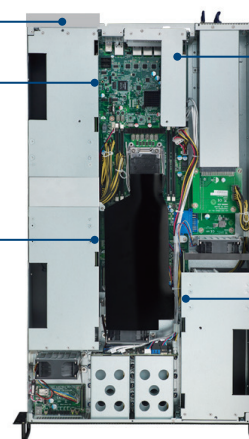
Default system fan 1800W
and optional part for 1400W

Upper Left slot

Lower Left slot

Upper Middle slot

Lower Right slot



Ordering Information

Part Number	HDD tray	VGA Chip	RJ45	IPMI	Power Supply
AGS-923I-R18A1E	8	AST 2400	4	YES	1+1 1800W RPS
AGS-923I-R14A1E	8	AST 2400	4	YES	1+1 1400W RPS

Optional Accessories (for 1400W)

Part Number	Description
98R1920I10E	Optional parts for Upper Left GPU card air duct with FAN
98R1920I20E	Optional parts for Upper Left GPU card air duct with FAN and display output

System Contents

Items	Advantech P/N	Quantity
Startup manual	2001S91310	1
Driver CD	2061S92300	1
Rail kit (pair)	9680015703	1
CPU cooler	1960063011N001	2
Power module (Installed in the system)	96PSRM-A1K8WCR	2
Power cable for GPU/VGA card (Installed in the system)	1700023022-01	8

Mouser Electronics

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