

AGS-920

2U Rackmount Intel® Xeon® E5-2600 / 2600 v2 GPU server, Supporting 4 x PCIe x16 double-deck card + 1 x PCIe x8 FH/HL card



CE FCC

Features

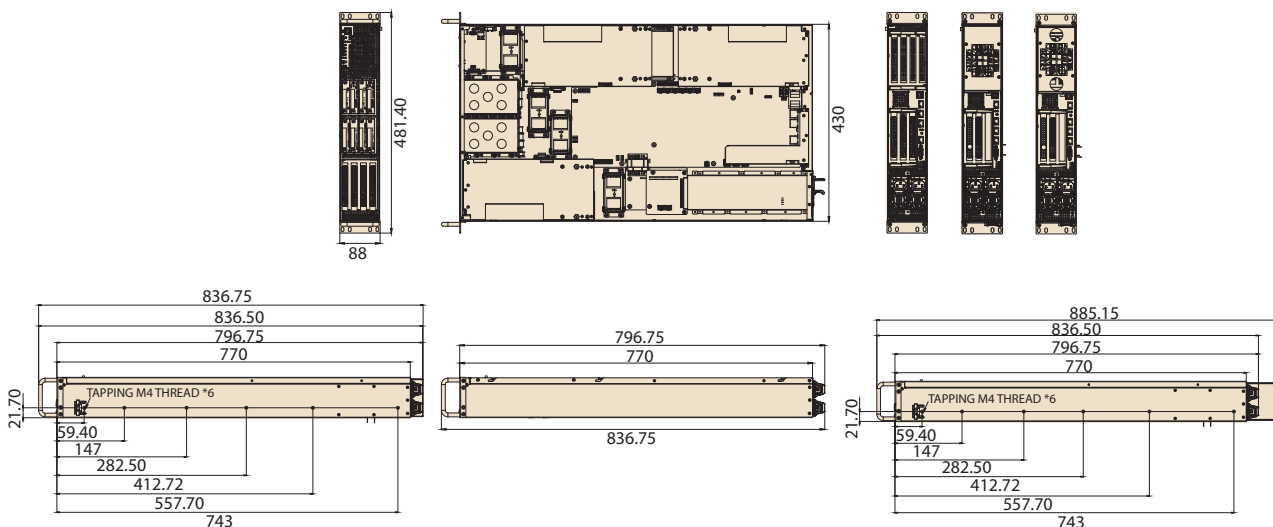
- Processor: Dual Intel® Xeon® E5-2600 / 2600 v2 series, up to 20 cores / 40 threads
- Memory : DDR3-1333/1600 MHz Non-ECC/ECC/REG type up to 128GB
- Remote Management: IPMI function support
- Expansion: Supporting 4 * PCIe x16 double-deck card + 1* PCIe x8 FH/HL card
- PSU: 1400W 1+1 redundant power supply with 80 PLUS Platinum level certification

Specifications

Processor System	Chipset	Intel C602J Chipset	
	CPU	Dual Intel LGA2011 Xeon E5-2600 / 2600 v2 processor (up to 150W TDP)	
	L2 Cache	5/10/15/20 MB	
	Memory	8 x DDR3 1333/1600 MHz Non-ECC/ECC/REG DIMM, maximum to 128GB (256GB is condition support by configuration)	
Graphics	Controller	Aspeed AST2300	
	VRAM	64 MB	
Expansion Slot	Slot location 1 (Upper Middle slot)	PCIe x 8 slot (Gen3 x8 link) for 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 (only 4 x SATAII + 2 x SATAIII on-board)	
	3.5" (Front Accessible)	-	
	3.5" Internal	-	
Ethernet	Interface	4 x 10/100/1000 Mbps Gigabit Ethernet	
	Controller	1 x Intel 82579LM + 3 x Intel I210AT	
Front I/O Interface	USB	2 x USB2.0	
	USB	2 x USB2.0	
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	
	Output	System reset	
Watchdog Timer	Interval	Programmable, 1~255 sec	
	Power Output Wattage	80 PLUS Platinum 1400W 1+1 redundant Power Supply	
	Input Range	900W @ 100 ~ 120V 1400W @ 200 ~ 240V AC 100 ~ 240 V	
	Chassis Fan	4 * 80x38 + 1 * 80x20 + 1 * 80x38 (optional) high speed fan	
Cooling	Air Filter	-	
	LED Indicators	Power status, HDD activity, LAN status, location, error message	
Miscellaneous	Remote Management	Advantech Remote Monitoring Utility	
	Temperature	Operating 0 ~ 40° C (32 ~ 104° F)	Non-Operating -20 ~ 60° C (-4 ~ 140° F)
Environment	Humidity	10 ~ 85% @ 40° C	10 ~ 95% @ 40° C
	Vibration (5 ~ 500 Hz)	0.5 Grms	2 G
	Shock	10G (with 11ms duration, half since wave)	
Physical Characteristics	Dimension	770 x 430 x 88 mm	

Dimensions

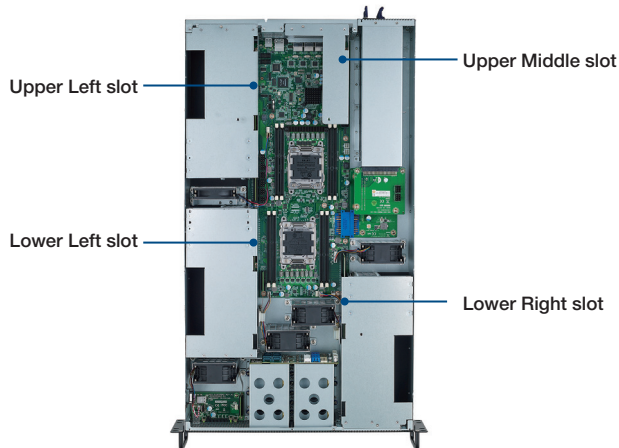
Unit: mm [inch]



Front View



Inside View



Rear View



Ordering Information

Part Number	HDD tray	VGA Chip	RJ45	IPMI	Power Supply
AGS-920I-R14A1E	8	AST 2300	4	YES	1+1 1400W RPS

Optional Accessories

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
AGS-920I Barebone System	N/A	1
Driver CD	N/A	1
Rail kit (pair)	9680015703	1
CPU cooler	1960063011N001	2
Power module (Installed in the system)	1757004662-01	2
Power cable for GPU/VGA card (Installed in the system)	1700023022-01	8