

AGS-913

1U Rackmount Intel® Xeon® E5-2600 v3/v4 GPU Server, Supporting 3 x PCIe x16 Double-depth Cards and 1 x PCIe x8 Single-depth FH/HL Card



CE FCC

Features

- Processor: Dual Intel® Xeon® E5-2600 v3/v4 series, up to 20 cores / 40 threads
- Memory: DDR4 1600/1866/2133 MHz ECC-REG type up to 256GB
- Remote Management: IPMI function support
- Expansion: Supporting 3 * PCIe x16 double-deck cards + 1* PCIe x8 single-deck FH/HL card
- PSU: 1100W 1+1 redundant power supply with 80 PLUS Platinum level certification

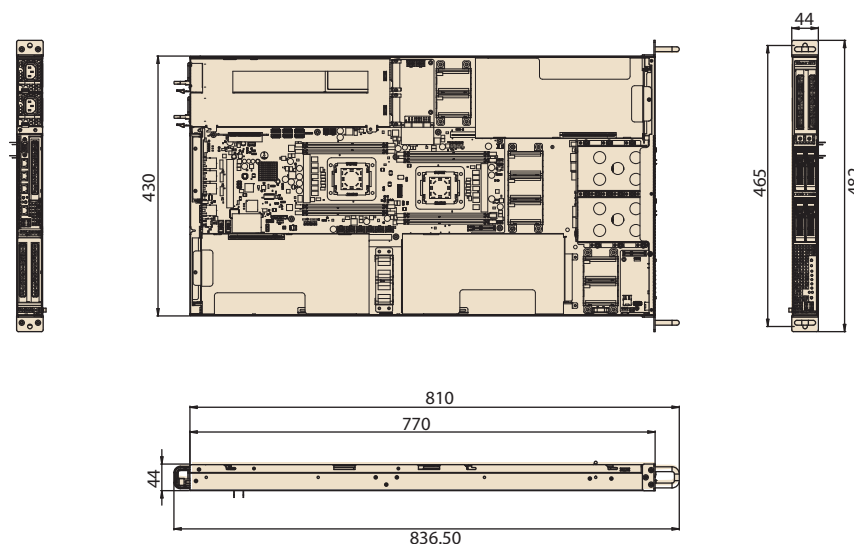
Specifications

Processor System	Chipset	Intel C612 Chipset	
	CPU	Dual Intel LGA2011 Xeon E5-2600 v3/v4 processor (up to 135W 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 FH/HL expansion cards	
	Slot location 2 (Lower Right slot)	PCIe x16 slot (Gen3 x16 link), for double-deck 4.376"(H)/10.5"(L) expansion cards	
	Slot location 3 (Upper Left slot)	PCIe x16 slot (Gen3 x16 link), for double-deck 4.376"(H)/10.5"(L) expansion cards	
	Slot location 4	-	
	Slot location 5	-	
	Slot location 6 (Lower Left slot)	PCIe x16 slot (Gen3 x16 link), for double-deck 4.376"(H)/10.5"(L) expansion cards	
Drive Bay	2.5" (Hot-swap)	4	
	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)	
Internal connector	Type-A USB	1	
	COM	2	
	LPC	1	
Watchdog Timer	Output	Interrupt, system reset	
	Interval	Programmable, 1~255 sec	
Power Supply	Power Output Wattage	80 PLUS Platinum 1+1 redundant Power Supply 900W @ 100 ~ 120V 1100W @ 200 ~ 240V	
	Input Range	AC 100 ~ 240 V	
Cooling	Chassis Fan	7 x 40 x 56 + 2 x 40 x 28 high speed fan	
	Air Filter	-	
Miscellaneous	LED Indicators	Power status, HDD activity, LAN status, location, error message	
	Remote Management	Advantech Remote Monitoring Utility	
Environment	Temperature	Operating	Non-Operating
		0 ~ 35 °C (32 ~ 85 °F) *0 ~ 30 °C (32 ~ 85.9 °F) for nVidia tesla P100	-20 ~ 60 °C (-4 ~ 140 °F)
	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)	30G	
Physical Characteristics	Dimension (W x H x D)	430 x 44 x 770 mm (16.9" x 1.7" x 30.3")	

Note1: operating temperature qualified AGS-913 max 2 GPU cards by nVidia certification.

Dimensions

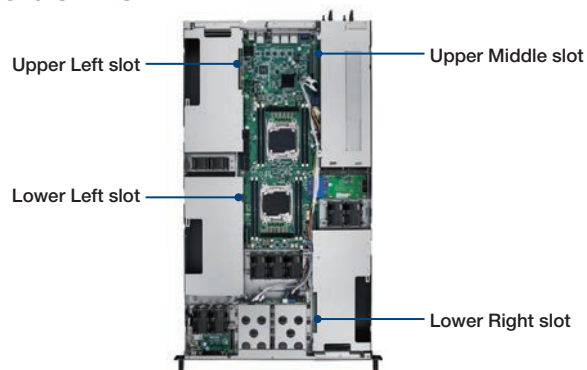
Unit: mm [inch]



Front View



Inside View



Rear View



Note1: nVidia qualified AGS-913 max 2 of GPU slots on lower left slot & lower right slot

Ordering Information

Part Number	HDD	VGA Chip	RJ45	IPMI	Power supply
AGS-913I-R11A1E	4	AST 2400	4	YES	1+1 1100W RPS

System Contents

Items	Advantech P/N	Quantity
CPU0 heatsink	1960065593N001	1
CPU1 heatsink	1960065591N001	1
Slide rail kit	9680015703	1
Power cable for expansion card (Pre-assembled in the system)	1700023022-01	6
Driver CD	2061S91301	1
Startup manual	2001S91310	1

Optional Accessories

Part Number	Description
1700026210-01	SATA Power cable for nVidia GPU card (20 cm)