

SKY-6400

4U Rackmount Intel® Xeon® Scalable Series GPU server, Supporting 4 x PCIe x16 double-deck card and 1 x PCIe x8 single-deck FH/FL card



CE FCC

Features

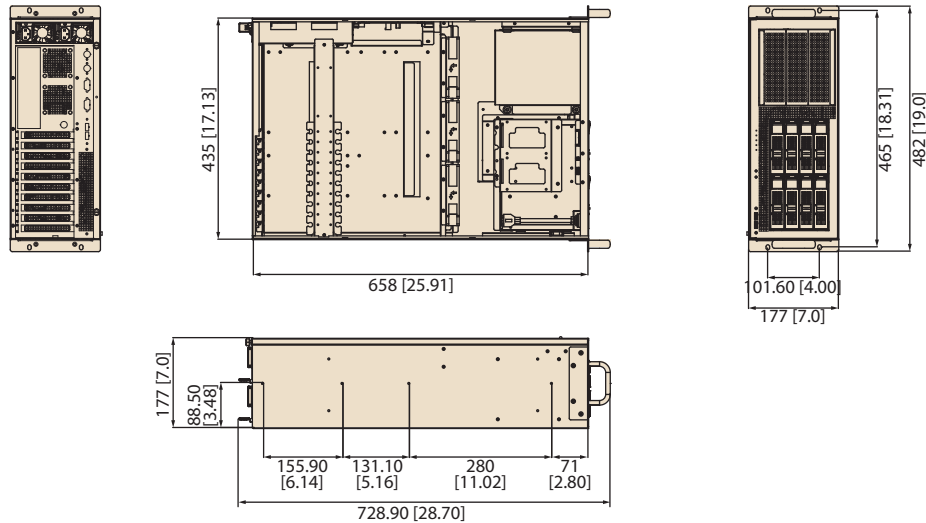
- Processor: Dual Intel® Xeon® Scalable Series
- Memory: DDR4 REG 2666/2400/2133/1866 MHz DIMM, up to 384GB
- Remote Management: IPMI function support
- Expansion: Supporting 4 * PCIe x16 double-deck card + 1* PCIe x8 single-deck FH/HL card + 1*PCIe x4 card
- PSU: 2000W 1+1 redundant power supply with 80 PLUS Platinum level certification

Specifications

Processor System	Chipset	Intel C620 Chipset	
	CPU	Dual Intel LGA 3647-P0 for Intel® Xeon® Scalable Series processor (up to 205W TDP)	
	Memory	DDR4 REG 2666/2400/2133/1866 MHz DIMM, up to 384GB	
Graphics	Controller	Aspeed AST2500	
	VRAM	64 MB	
Expansion Slot	Slot 1	PCIe x4 (Gen3 x 4 link)	
	Slot 2	PCIe x16 slot (Gen3 x16 link), for double-deck 4.376"(H)/10.5"(L) expansion cards	
	Slot 3	PCIe x4 (Gen3 x 4 link)	
	Slot 4	PCIe x16 slot (Gen3 x16 link), for double-deck 4.376"(H)/10.5"(L) expansion cards	
	Slot 5	PCIe x4 (Gen3 x 4 link)	
	Slot 6	PCIe x16 slot (Gen3 x16 link), for double-deck 4.376"(H)/10.5"(L) expansion cards	
	Slot 7	PCIe x4 (Gen3 x 4 link)	
	Slot 8	PCIe x16 (Gen3 x 16 link), for double -deck 4.276"(H)/10.5"(L) expansion cards	
	Slot 9	PCIe x8 (Gen3 x 8 link)	
Drive Bay	2.5" (Internal)	2	
	3.5" (Front Accessible)	-	
	3.5" (Hot Swap)	8	
Ethernet	Interface	10/100/1000 Mbps Gigabit	
	Controller	2 x Intel I210AT	
Front I/O Interface	USB	2 x USB 3.0	
	USB	4 x USB 3.0	
Rear I/O Interface	PS/2	-	
	COM	1	
	Display	1 x VGA	
	RJ-45	2 (1 is sharing NIC for IPMI)	
Internal connector	USB	5 (2 USB3.0, 2 USB2.0, 1 USB 2.0 Type-A)	
	COM	1	
	LPC	1	
Watchdog Timer	Output	System reset	
	Interval	Programmable, 1~255 sec	
Power Supply	Power Output Wattage	80 PLUS Platinum 2000W redundant Power Supply	
	Input Range	TBD	
Cooling	Chassis Fan	3 x 120 x38 + 2 *80* 38 (optional)	
	Air Filter	-	
Miscellaneous	LED Indicators	Power status, HDD activity, LAN1 & LAN2	
	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 sine wave)	30G
Physical Characteristics	Dimension (D x W x H)	435 x 177 x 673 mm	

Dimensions

Unit: mm [inch]



Front View



Rear View



Ordering Information

Part Number	HDD	VGA Chip	RJ45	IPMI	Power supply
SKY-6400-R20A1	10	AST 2500	2	YES	1+1 2000W RPS

System Contents

Items	Advantech P/N	Quantity
CPU heatsink	1960081603N001	2
Power cable for expansion card (Pre-assembled in the system)	1700023022-01	8
Driver CD	TBD	1
Startup manual	TBD	1

Optional Accessories

Part	Number	Description
PCA-AUDIO-HDA1E	HD Audio-card	
PCA-TPM-00A1E	TPM Module	
1700002204	Dual port USB cable (27 cm) with bracket	
1700020277-01	Dual port USB 3.0 cable (30 cm) with bracket	
1701090401	COM port cable with bracket	