SKY-6100

1U Rackmount Intel® Xeon® Scalable GPU Server, Supporting 1 x PCIe x16 Double-Deck FH/FL Cards or 5 x PCIe x16 Single-Deck Cards



Features

- Processor: Dual 2nd Gen Intel Xeon scalable processors
- Memory: 8 x DDR4 2666/2933 MHz ECC RDIMM/LRDIMM / Intel Optane DC Persistent Memory, up to 2TB
- Remote Management: IPMI function support
- Expansion: Supporting 1 x PCIe x16 double-deck FH/FL card + 1 x PCIe x16 single-deck FH/HL card or 5 x PCIe x16 single-deck cards
- PSU: 1200W 1+1 redundant power supply with 80 PLUS Platinum level certification

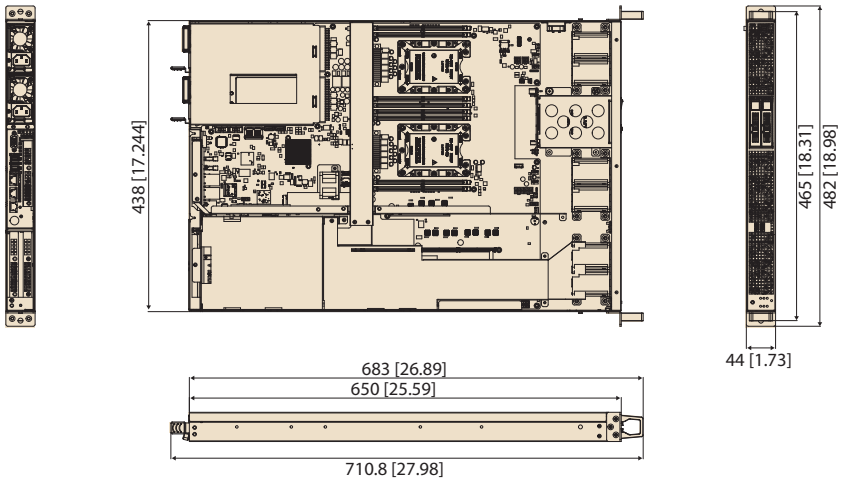
Specifications

Processor System	Chipset	Intel C622 Chipset	
	CPU Type	Dual Socket P LGA-3647 2nd Gen Intel Xeon Scalable processors (TDP up to 140W) BIOS V2.00 or above is required for 2nd Gen Xeon Scalable processors	
	Memory Type	8 x DDR4 2666/2933 MHz ECC RDIMM/LRDIMM / Intel Optane DC Persistent Memory, up to 2TB	
Graphics	Controller	Aspeed AST2500	
	VRAM	64 MB	
Expansion Slot	Slot location 1 (Left Riser Card Box)	Dual PCIe x16 slots (Gen3 x16 link) for dual single-deck or one double-deck FH/FL expansion cards	
	Slot location 2 (Middle Riser Card Box)	Dual inner PCIe x16 slots (Gen3 x16 link) for dual HH/HL single-deck expansion cards Slot location 2 is unable to expose IO and will be unavailable when FL expansion card is installed on Slot location 1	
	Slot location 3 (Right Riser Card Box)	Single PCIe x16 slot (Gen3 x16 link) for FH/HL single-deck expansion card	
Drive Bay	2.5" (Hot-swap)	2	
	3.5" (Front Accessible)	-	
	3.5" Internal	-	
	M.2 (2242)	1	
Ethernet	Interface	2 x 10GbE + 1 x 10/100/1000 Mbps Gigabit Ethernet	
	Controller	1 x Intel I210AT + Intel X557-AT2 (dual 10GbE port)	
Front I/O Interface	USB	2 x USB2.0	
Rear I/O Interface	USB	2 x USB3.0	
	PS/2	-	
	COM	-	
	Disaplay	1 x VGA	
	RJ-45	3 (share NIC for IPMI)	
Internal connector	Type-A USB	1	
	COM	2	
	LPC	1	
Watchdog Timer	Output	System reset	
	Interval	Programmable, 1~255 sec/min	
Power Supply	Power Output Wattage	80 PLUS Platinum 1+1 redundant Power Supply 1000W @ 100 ~ 127V 1200W @ 200 ~ 240V	
	Input Range	AC 100 ~ 240 V	
Cooling	Chassis Fan	6 x 40 x 56 + 2 x 40 x 28 high speed fan (1 external module)	
	Air Filter	-	
Miscellaneous	LED Indicators	Power Status, LAN Status, Information LED	
	Remote Management	Advantech Remote Monitoring Utility	
Environment		Operating	Non-Operating
	Temperature	0 ~ 35 °C (32 ~ 95 °F)	-40 ~ 60 °C (-40 ~ 140 °F)
	Humidity	95% @ 40 °C	95% @ 60 °C
	Vibration (5 ~ 500 Hz)	0.25 Grms	2 G
	Shock	10G (with 11ms duration, half since wave)	Optional
Physical Characteristics	Dimension (W x H x D)	438 x 44 x 650 mm (17.2" x 1.7" x 25.6")	
	Package Dimension (W x H x D)	580 x 225 x 825 (22.83" x 8.85" x 32.48")	
	Weight (N.W. / G.W.)	16 Kg / 17.92Kg	

All product specifications are subject to change without notice.

Dimensions

Unit: mm [inch]



Ordering Information

Part Number	HDD	M.2 2242 (SATA)	VGA Chip	GbE/10GbE LAN	IPMI	Power supply
SKY-6100-R12B1E	2	1	AST 2500	1/2	Yes	1200W 1+1 RPS

System Contents

Items	Advantech P/N	Quantity
CPU heatsink	1960081155N101	2
CPU Clip for Heatsink	1651003167-01	2
NVidia Tesla P4/T4 Inner Bracket	1960081060N000	2
Startup manual	2001610010	1
External fan module with wire guard	N/A	1

Optional Accessories

item	Advantech P/N
26" Slide Rail Kit	9680017207
20" Slide Rail Kit	9680017208
Optional Air Duct for double-deck GPU card	98R1610010E
UL Power core (125V,15A)	1700027928-01
BSMI Power Core (125V,15A)	1700027909-02
EU Power Core (250V,10A)	1702002605

Front View



Rear View



Inside View

