

SKY-622G4

**2U MGX GPU Server, up to 4x H200 NVL,
H100 NVL or L40s and 3x NIC and
smartNIC DPU**



CE FCC

Features

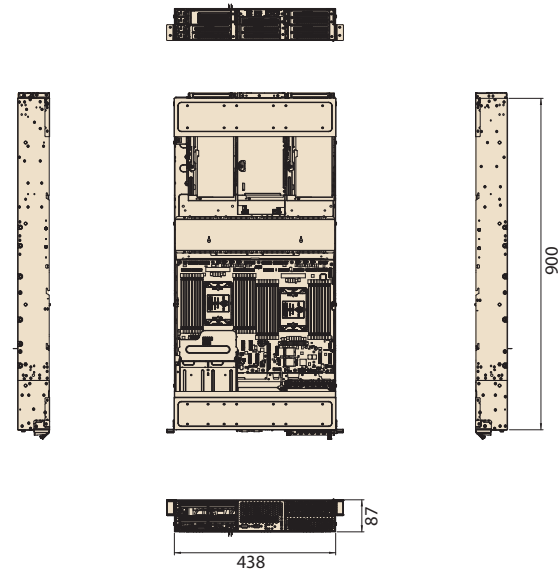
- High density MGX GPU system up to 4x NVIDIA PCIe GPU with NVLink bridge support, 3x NICs and smartNICs
- Processor: Dual Intel® Xeon 6 Processors, TDP up to 350W
- Memory: 32x DDR5 6400 MHz RDIMM, up to 8TB supports MCRDIMM
- Storage: 8x E1.S NVMe at front
- PSU: 6000 Watt 3+1 power supply with 80+ platinum level certification

Specifications

Processor System	CPU Technology	Intel® LGA4710	
	CPU Type	Dual Intel® Xeon 6 processors, TDP up to 350W	
	Memory Type	4TB	
Graphics	Controller	Aspeed AST2600	
	VRAM	64 MB	
Expansion Slots	Slot 1	PCIe 5.0 x16 slot (from CPU0)	
	Slot 2	PCIe 5.0 x16 slot (from CPU0)	
	Slot 3	PCIe 5.0 x16 slot (from CPU1)	
	Slot 4	PCIe 5.0 x16 slot (from CPU1)	
	Slot 5	PCIe 5.0 x16 slot (from CPU0)	
	Slot 6	PCIe 5.0 x16 slot (from CPU0)	
	Slot 7	PCIe 5.0 x16 slot (from CPU1)	
Drive Bay	2.5" (Internal)	-	
	E1.S (Front)	8 (PCIe 5.0)	
	M.2 (2280)	2 (PCIe)	
Ethernet	Interface	2 x 10GbE	
	Controller	Intel X710-AT2 (dual 10GbE port)	
Front I/O Interface	USB	1 (USB2.0)	
	COM	1	
	Display	1 x VGA	
Rear I/O Interface	USB	2 x USB3.2 Gen1	
	RJ-45	3 (1 x dedicated NIC for IPMI)	
	USB 2.0 Pin Header	1 (single port)	
Internal Connector	COM	1	
	VGA	1	
Watchdog Timer	Output	System reset	
	Interval	Programmable, 1~255 sec/min	
Power Supply	Power Output Wattage	80+ platinum 3+1 power supply 6000 W @ 100-240 V _{AC}	
	Input Range	AC 100 ~ 240 V	
Cooling	Chassis Fan	6 x 60 x 56 mm high speed fans	
	Dust 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 ~ 85°F)	-40 ~ 60°C (-40 ~ 140°F)
	Humidity	95% @ 40°C	95% @ 60°C
	Vibration (5 ~ 500 Hz)	0.3 Grms	1.88 Grms
	Shock	10G (with 11ms duration, half sine wave)	Optional
Physical Characteristics	Dimensions (W x H x D)	438 x 88 x 900 (17.24" x 3.46" x 35.43")	
	Package Dimensions (W x H x D)	-	
	Weight (N.W. / G.W.)	35 / - Kg	
	Installation	Rack mount	

Dimensions

Unit: mm



Ordering Information

Ordering PN	CPU	Memory	Storage	Network	IPMI	System FAN	CPU Thermal solution	Power Supply
SKY-622G4-R60A1	Dual Intel® Xeon 6 processors	32x DDR5 6400 up to 8TB	2x M.2 2280 (PCIe) 8x E1.S NVMe at front	2x 10G (X710)	Yes, Dedicate NIC	6x 6056 high speed fan	2U passive HS	6000W 3+1 redundant

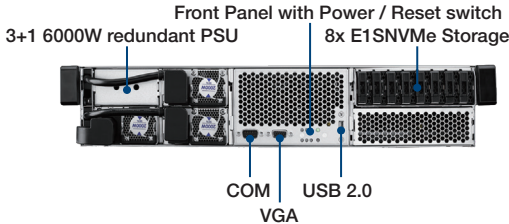
System Contents

Item	Advantech P/N	Quantity
2U CPU Heatsink for CPU0	1970005574T001	1
2U cut fin Heatsink for CPU1	TBD	1
Startup manual	TBD	1

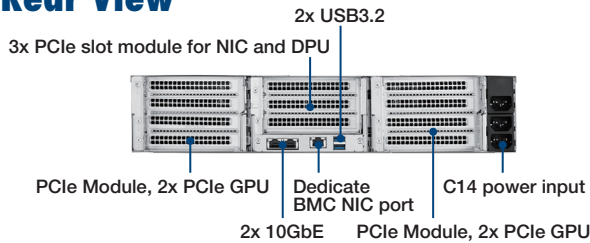
Optional Accessories

Item	Advantech P/N
UL power core (125 V,15 A)	1700027928-01
BSMI power core (125 V,15 A)	1700027909-02
EU power core (250 V,10 A)	1702002605

Front View



Rear View



Inside View

