

SKY-524

2U 4 Node Hybrid Server, High Density & Flexible Storage. Dual 10GbE and 2 x PCIe Gen3 x16 Slots per Node



CE FCC

Features

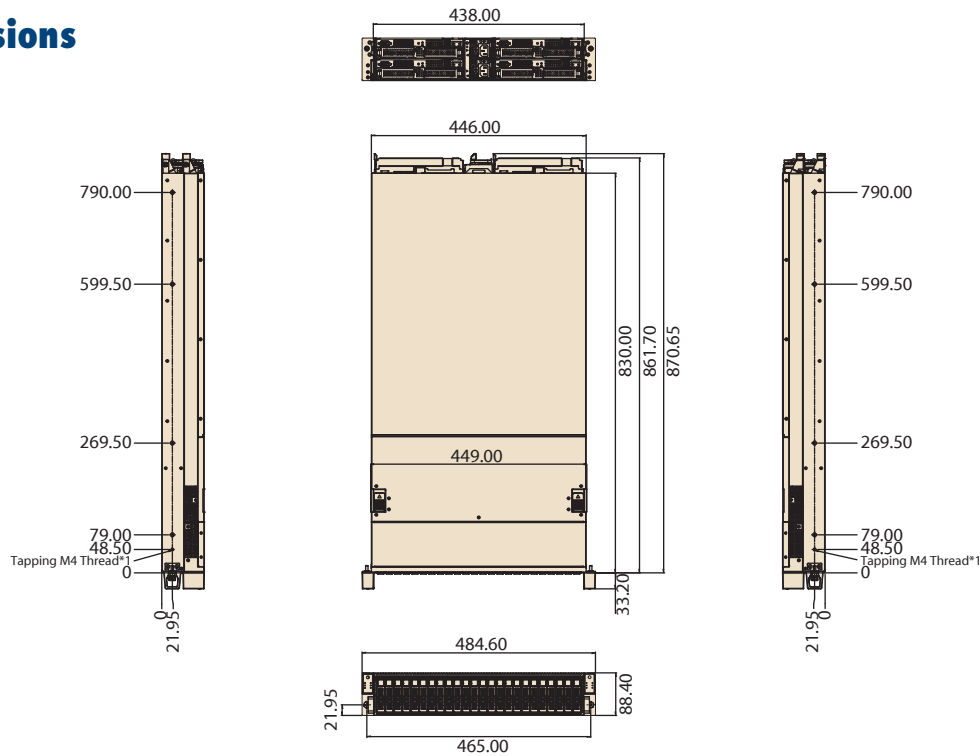
- Cutting edge technology, the latest Intel Xeon scalable family, up to 24 DIMMs per node
- Flexible IO option. Easily upgrade 1G/10G/40G/100G LAN via daughter boards
- Flexible storage, NVMe, SAS 12G, and SATA 6G support
- High efficiency up to 96% via platinum redundant power supply
- Supports two additional PCIe x16 by expansion cards

Specifications

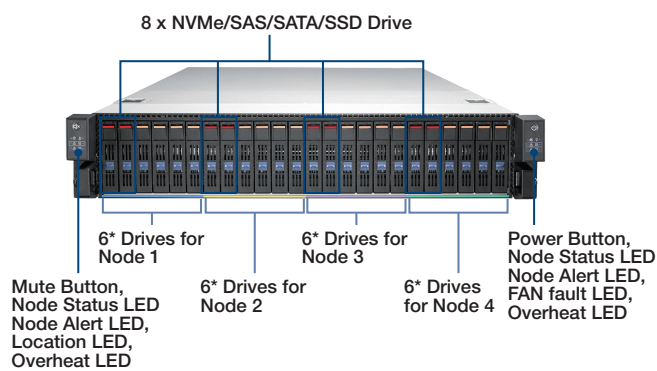
System (per node)	Chipset	Intel C622	
	CPU	Intel Xeon Scalable dual processors (up to 145W TDP)	
	Memory	24 x DDR4-2666 ECC RDIMMs, maximum 768 GB	
Graphics (per node)	Controller	ASPEED AST2500	
	VRAM	64 MB	
Expansion Slot (per node)	PCIe x16	2 x PCIe Gen III x16 slots (Supports HHHL)	
Drive Bay	2.5" Hot-swappable	24 x 2.5" hot-swap HDD (2 x NVMe + 4 x SAS/SATA per node)	
Ethernet (per node)	Interface	2 x 10GBase-T LAN 1 x 100MBase-T IPMI LAN	
	Controller	1 x Intel X557-AT2 1 x Realtek RTL8201EL	
Rear I/O (per node)	USB	2 x USB 3.0	
	PS/2	-	
	COM	-	
	Display	1 x VGA	
	RJ45	3	
Internal Connector (per node)	Type-A USB	-	
	M.2 2280	1 (SATA or PCIe) 1 (SATA)	
Remote Management		IPMI2.0	
Watchdog Timer	Output	Interrupt, system reset	
	Interval	Programmable, 1~255 sec	
Power Supply	Power Output	2200W 80 PLUS Platinum 1+1 redundant power supply	
	Input Range	220 ~ 240V _{AC}	
Cooling	Chassis Fan	4 x 8038 high speed fan	
	Air Shroud	Yes	
Miscellaneous	LED Indicators	Power status, HDD Status, Fan Status, Location, Overheat, Node Status, Node Alert	
	Remote Management	Advantech Remote Monitoring Utility	
Environment	Temperature	Operating 0 ~ 35 °C (32 ~ 95 °F)	Non-operating -40 ~ 60 °C (-40 ~ 140 °F)
	Humidity	95% @ 40 °C, non-condensing 95% @ 60 °C, non-condensing	
	Vibration (5 ~ 500 Hz)	0.25 Grms -	
Characteristics	Dimensions (D x W x H)	830 x 446 x 88 mm (32.68" x 17.56" x 3.46")	

Dimensions

Unit: mm



Front View



Ordering Information

Part Number	Node	2.5" HDD	Power Supply
SKY-5240-24A1	4	24	2200W 1+1 Redundant Power Supply

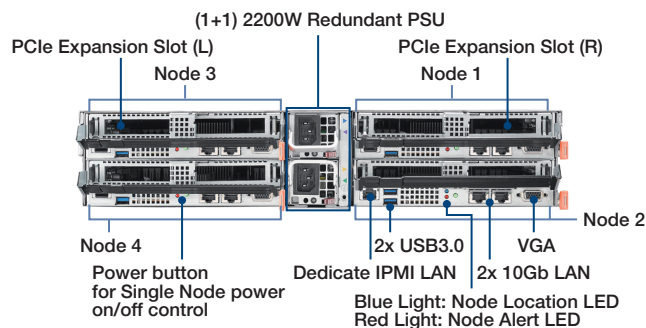
System Contents

Items	Advantech's P/N	Quantity
SKY-524	SKY-5240-24A1	1
CPU0 heatsink	1960081155N001	4
CPU1 heatsink	1960081155N101	4
CPU Carrier	1651003167-01	8

Optional Accessories

Items	Advantech P/N
Slide rail kit	968AE00047

Rear View



Inner View_Node

