

# 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

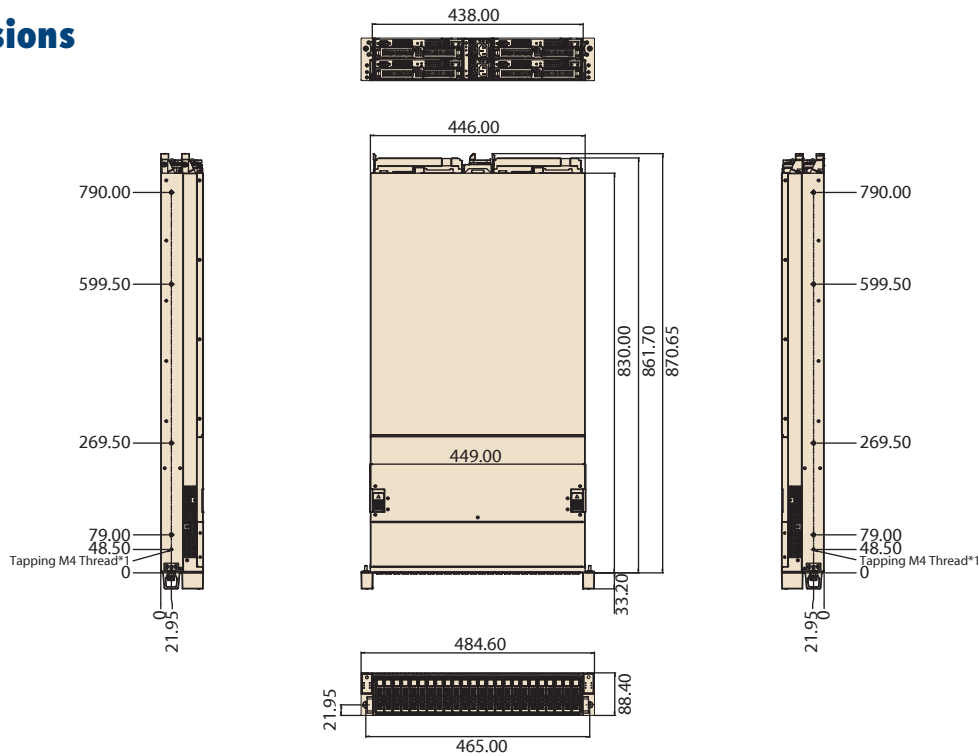
- Cutting edge technology, the latest Intel Xeon scalable family, up to 24 DIMMs per node
- Flexible IO options. Easily enrich IO options via IO boards reserved PCIe x8 lanes
- Flexible storage, NVMe and SAS 12G support
- High efficiency up to 96% via Titanium redundant power supply
- Supports two additional PCIe x16 by expansion cards

### Specifications

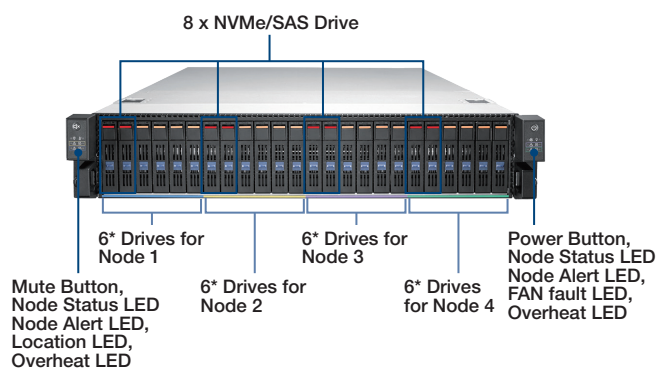
System (per node)	Chipset	Intel C622
	CPU	Intel Xeon Scalable dual processors (up to 140W TDP)
	Memory	24 x DDR4-2666 ECC RDIMMs, maximum 768 GB
Graphics (per node)	Controller	ASPEED AST2500
	VRAM	64 MB
Expansion Slot (per node)	PCIe x16	2 x PCIe Gen III x16 slots (Supports HHHL)
Drive Bay	2.5" Hot-swappable	24 x 2.5" hot-swap HDD (2 x NVMe + 4 x SAS or 6 x SAS 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 Titanium 1+1 redundant power supply
	Input Range	220 ~ 240V <sub>AC</sub>
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

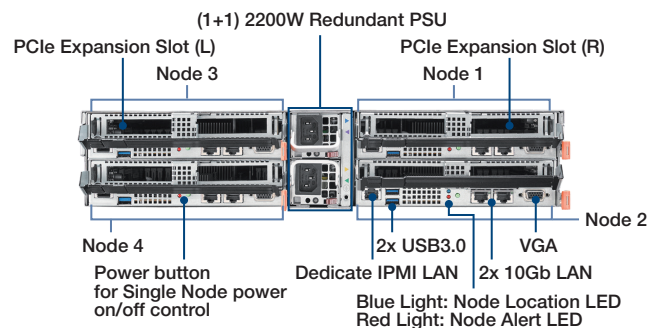
## System Contents

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



Note. 220V AC input power voltage recommend.

## Inner View\_Node

