SKY-820V3

2U Edge Server with 4th/5th Generation Intel Xeon Scalable Processors

Features

- Dual Socket 4th/5th Gen Intel® Xeon® Scalable processors
- 16x DDR5 ECC RDIMM, up to 2TB
- Configurable PCIe slot options up to 4x PCIe Gen5 x16 (FHFL, 10.5") or 2x PCIe Gen5 x16 (FHFL, 10.5"), 2x PCIe Gen5 x8 (FHFL, 10.5"), 2x PCIe Gen5 x8 (FHHL)
- Up to 6x 2.5" SATA/SAS drives or 4x U.2 NVMe
- 450mm short depth server
- Secure server management with Redfish support

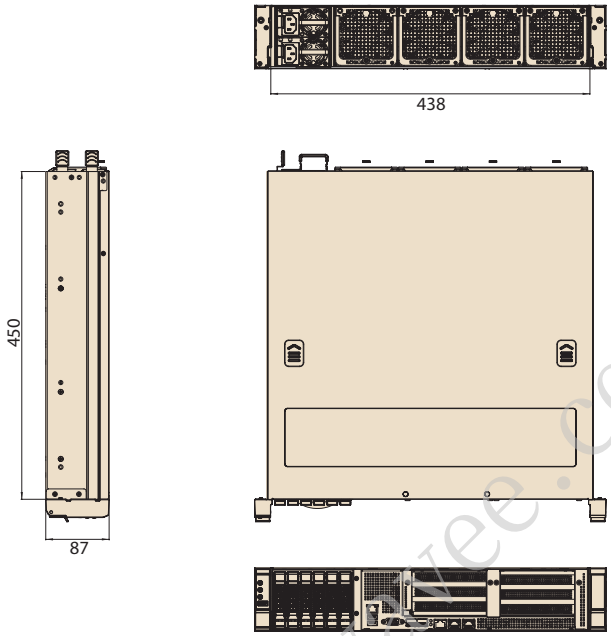
Specifications

Part Number(PN)		SKY-820V3
Processor	Family	4th/5th Generation Intel® Xeon® Scalable Processors
	Number	2
	Cores	32 cores
	Max TDP	250W
Chipset		Intel® C741 Chipset
Memory	Type	DDR5 ECC RDIMM
	Slots	16
	Capacity	Up to 2TB (128GB per RDIMM module)
Storage	2.5" HDD/SSD	Hot-swappable 6x SATA/SAS drives or 4x U.2 NVMe support
	M.2 SSD	2x onboard M.2 SATA/NVMe, 2280 M-Key
Expansion Slots	Expansion Slots	[SKU1] 4x PCIe Gen5 x16 (FHFL, 10.5") [SKU2] 2x PCIe Gen5 x16 (FHFL, 10.5"), 2x PCIe Gen5 x8 (FHFL, 10.5"), 2x PCIe Gen5 x8 (FHHL)
I/O & Ports	Network Interfaces	2x 10GbE SFP+ 1x 1GbE RJ45
	USB	3x USB3.2 Gen1
	Button / LED Indicator	1x Power Button with LED, 1x UID Button with LED, 1x Reset Button 1x System Status LED, 1x HDD Activity LED, 2x LAN Activity LED
	Video	1x VGA port
	Others	1x RJ45 Dedicated Management Port, 1x Console Port
Power Supply		1+1 1200W 80 PLUS Platinum redundant power supply
System Cooling		4x 8038 High Performance Fans
Mechanical	Form Factor	2U Rackmount
	Dimensions (W x H x D) mm	438 x 87 x 450 mm (17.2" x 3.4" x 17.7")
	Weight (Kg)	14Kg (net Weight) ; 20Kg (gross weight)
System Management		Aspeed AST2600 BMC Advanced Lights Out Management compliant to IPMI2.0 and Redfish with security and availability enhancements iKVM Support
Supported OS		Linux (CentOS, Red Hat, Ubuntu), Windows server
Environment		0 ~ 45 °C (23 ~ 113 °F)
Certification		FCC/CE/CB/UL

https://advavee.com

Dimensions

Unit: mm



Front View

Rear View

https://advantech.com

Ordering Information

PN	CPU	Memory	Storage	PCIe Slots	PSU
SKY-820V3-S06RFA2	Dual socket LGA4677 4/5th Generation Intel Xeon® Scalable Processors	16x ECC DDR5 DIMM Slots	6x 2.5" SATA/SAS drive bays 2x 2280 M.2 SATA/NVMe	2x PCIe Gen5 x16 (FHFL, 10.5"), 2x PCIe Gen5 x8 (FHFL, 10.5"), 2x PCIe Gen5 x8 (FHHL)	1+1 1200W Platinum redundant power supply
SKY-820V3-N04R12FA	Dual socket LGA4677 4/5th Generation Intel Xeon® Scalable Processors	16x ECC DDR5 DIMM Slots	4x U.2 NVMe drive bays 2x 2280 M.2 SATA/NVMe	2x PCIe Gen5 x16 (FHFL, 10.5"), 2x PCIe Gen5 x8 (FHFL, 10.5"), 2x PCIe Gen5 x8 (FHHL)	1+1 1200W Platinum redundant power supply

Packing List

Part no.	Description
1970005575T001	1U CPU Heatsink
1970005574T001	2U CPU Heatsink

Optional Accessories

Part no.	Description
1702002600-02	Power Cord UL 3P 10A 125V 183cm USA
1702002605-02	Power Cord EU 3P 10A 250V 183cm Europe
1700000237-01	Power Cord PSE 3P 12A 125V 183cm Japan
1700009652	Power Cord CCC 3P 10A 250V 187cm China
968DE00078	Short-depth full extension slide rail