SKY-812V4

1U High Performance Edge Server with Intel® Xeon® 6 processors



Features

- Supports single Intel Xeon 6 processor
- Supports up to 8 x DDR5 6400 RDIMM
- Supports 2 x FHFL PCIe 5.0 x16 slots, and 1 x FHHL PCIe 5.0 x16 + 1 x LP PCIe 5.0 x8 slots
- Supports Up to 4 x hot-swap SFF NVMe (PCIe Gen5 x4) SSDs
- Supports 2 x on-board 10GbE ports

Specifications

System model		SKY-812V4
Processor	Family	Intel® Xeon® 6 processors
	Number	1
	Cores	Up to 48 cores per socket
	Cache	L3 Cache (up to 288MB/CPU)
	Speed	Up to 4GHz
	Max TDP	250W
Memory	Type	DDR5 6400MHz RDIMM
	Slots	8
	Capacity	Up to 128GB RDIMM/slot Total Up to 1TB
Storage	2.5" HDD/SSD	Up to 4 x hot-swap SFF NVMe (PCIe Gen5 x4) SSDs
	M.2 SSD	Up to 2 (M.2 2280 NVMe SSDs)
Expansion Slots		2 x FHFL PCIe 5.0 x16 slots , and 1x FHHL PCIe 5.0 x16 + 1x LP PCIe 5.0 x8 slots
I/O & Ports	Network Interfaces	2 x 10GbE RJ-45
	USB	Front: 1 x USB3.2 Gen1 Rear: 2 x USB 3.2 Gen1
	LED Indicator	1 Power status 1 System status 1 HD activity 1 Network activity 1 System UID
	Video	D-Sub (Front)
	Others	1 Serial console port (RJ-45)
Power Supplies	Type	1+1 red. AC (SlimType PSUs 800W (220 mm L))
	Power Rating	800W red. AC PSU
System Cooling		5 x modules (vertical access , hotswappable and N+1 redundant)
Mechanical	Form Factor	1U
	Dimensions (W x H x D) mm	438 x 43.5 x 568.1 mm (17.2" x 1.71" x 22.37")
	Weight (kg)	15 kg
System Management		AST2600 BMC with iKVM, WebUI and Redfish support
Supported OS		Linux (CentOS, Red Hat, Ubuntu), Windows server
Environment	Humidity Operational (non-condensing)	5% to 95%
	Operational Temperature	0 ~ 40°C (32 ~ 104°F)
	Storage Temperature	-40 ~ 70°C (-40~158°F)
Certification		CE/FCC/CB/UL

All product specifications are subject to change without notice.

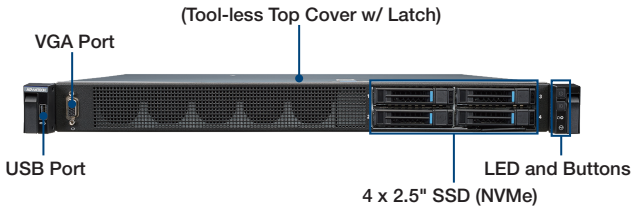
Last updated: 3-Nov-2026

Dimensions

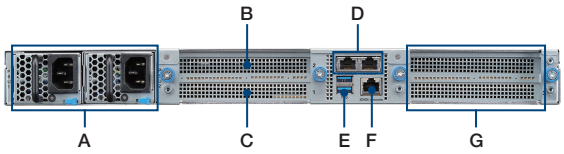
Unit: mm



Front View



Rear View



A. Hot swappable, redundant slim PSUs
B. 1 x FH / HL PCIE 5.0 x16 slot
C. 1 x LP(w/ FH Bracket) PCIE 5.0 x8 slot
D. 2 x 10GbE ports (RJ45)
E. 2 x USB3.2(Gen1)
F. Console port
G. 2 x FH / FL PCIE 5.0 x16 slots
   2 slots: support up to total 300W via external AUX power cables
   Need to consider configuration and depends on CPU TDP, number of NVME drives

Ordering Information

PN	CPU	Memory	Storage	PCIe Slots	PSU
SKY-812V4-N04R08A	Single socket Intel® Xeon® 6 processor	8 x DDR5 6400 RDIMM slots	Up to 4 x 2.5" NVMe (PCIe Gen5 x4) bays Up to 2 x M.2 2280 NVMe SSDs	2 x Gen5 x16 (FHFL) 1 x Gen5 x16 (FHHL) 1 x Gen5 x8 (LP)	1+1 800W Platinum AC redundant PSU

Packing List

Part no.	Description	Qty
1970006069N001	1U CPU heatsink	1

Optional Accessories

Part no.	Description
1700021723-02	Power cord 3P 180 cm, USA
1700023533-01	Power cord 3P 180 cm, Europe
1700023534-01	Power cord 3P 180 cm, UK
1700009652	Power cord 3P 180 cm, China
1700036753-01	Power cable for GPU card
25D7000003N000	Slide rail kit for SKY-812V4