

# 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

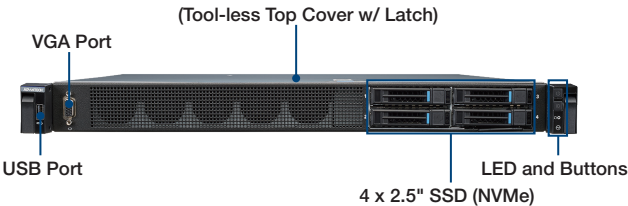
System model		SKY-812V4
Processor	Family	Intel® Xeon® 6 processors
	Number	1
	Cores	Up to 48 cores per socket
	Cache	L3 Cache (up to 288MB/CPU)
	Speed	Up to 4GHz
	Max TDP	250W
Memory	Type	DDR5 6400MHz RDIMM
	Slots	8
	Capacity	Up to 128GB RDIMM/slot Total Up to 1TB
Storage	2.5" HDD/SSD	Up to 4 x hot-swap 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
	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

Dimensions

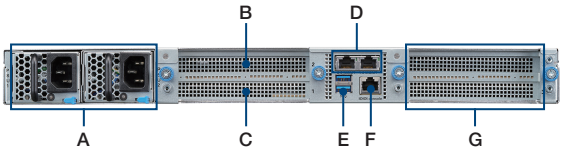
Unit: mm



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