SKY-7632D

2U Edge Sever with 3rd Gen. Intel® Xeon® Scalable Processors

Features

- Balanced CPU & GPU performance by spread core layout
- Wide temperature support up to 45C
- Up to 5 x low profile or 2 x DW FH/FL PCIe gen4 slots
- 6 x 2.5" HDD and 2 x M.2 NVME
- Up to 16 x DDR4 3200 RDIMM / LRDIMM
- Advantech platfrom management by Redfish and secured web interface

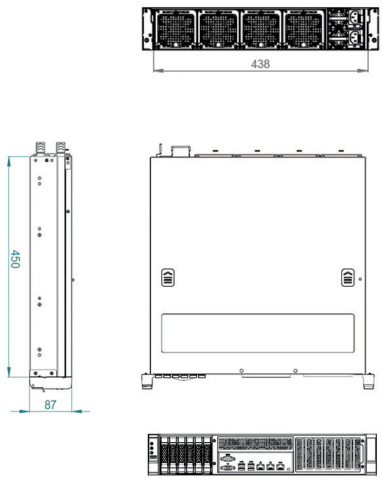
Specifications

System P/N		SKY-7632D2F	SKY-7632D2R (By project)
Processor	Family	3rd Gen. Intel® Xeon® Scalable processors	3rd Gen. Intel® Xeon® Scalable processors
	Number	2	2
	Cores	up to 32 cores	up to 32 cores
	Cache	L3 Cache (1.5MB/core)	L3 Cache (1.5MB/core)
	Speed	up to 3.1 Ghz	up to 3.1 Ghz
	Max TDP	205W	205W
Memory	Type	DDR4 ECC-REG 2666/2933/3200 MHz RDIMM/LRDIMM, support Barlow Pass	DDR4 ECC-REG 2666/2933/3200 MHz RDIMM/LRDIMM, support Barlow Pass
	Slots	16	16
	Capacity	Up to 128GB per slot	Up to 128GB per slot
Storage	2.5" HDD/SSD	6 (front)	2 (front) & 4 (rear)
	3.5" HDD	n/a	n/a
	M.2 SSD	2 x NVME	2 x NVME
Expansion Slots		[SKU1] 3 x Low profile PCIe4.0 x16 2 x Low profile PCIe4.0 x8 [SKU2] 2 x DW FH/FL PCIe 4.0 x 16	3 x Low profile PCIe4.0 x16 2 x Low profile PCIe4.0 x8
I/O & Ports	Network Interfaces	2 x 10/100/100 GbE RJ45	2 x 10/100/100 GbE RJ45
	USB	5 x USB3.0 (front)	1 x USB3.0 (front) & 4 x USB3.0 (rear)
	LED Indicator	1 x HDD activity LED 1 x System Alarm LED 1 x LAN1, LAN2 activity LED	1 x HDD activity LED 1 x System Alarm LED 1 x LAN1, LAN2 activity LED
	Video	1 x VGA	1 x VGA
	Others	1 x Serial port (COM) 1 x RJ45 IPMI port	1 x Serial port (COM) 1 x RJ45 IPMI port
Power Supplies	Type	CRPS	CRPS
	Power Rating	800W red. AC PSU / (Optional) 1200W	800W red. AC PSU / (Optional) 1200W
System Cooling		4 system FAN with smart FAN control	4 system FAN with smart FAN control
Mechanical	Form Factor	2U	2U
	Dimensions (W x H x D) mm	438 x 87 x 450 mm	438 x 87 x 450 mm
	Weight (KG)	25 kg	25 kg
System Management		Aspeed AST2600 BMC Advanced Lights Out Management compliant to IPMI2.0 and Redfish with security and availability enhancements iKVM Support	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	Linux (CentOS, Red Hat, Ubuntu), Windows server
Environment	Humidity Operational (non-condensing)	5% to 85%	5% to 85%
	Operational Temperature	0°C (32°F) to 45°C (113°F)	0°C (32°F) to 45°C (113°F)
	Storage Temperature	-40 °C (-40 °F) to 70 °C (158 °F)	-40 °C (-40 °F) to 70 °C (158 °F)
Certification		CE/FCC/CB/UL	CE/FCC/CB/UL

All product specifications are subject to change without notice.

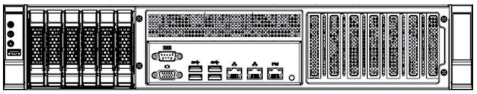
Dimensions

Unit: mm

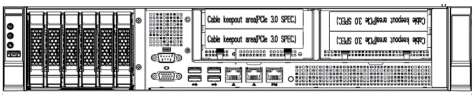


Front View

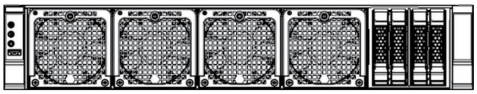
SKY-7632D2F-00A1R



SKY-7632D2F-01A1R

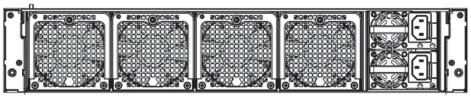


SKY-7632D2R (By project)

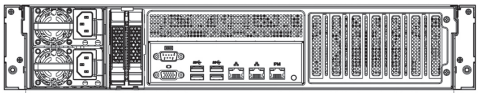


Rear View

SKY-7632D2F-00A1R / SKY-7632D2F-01A1R



SKY-7632D2R (By project)



Ordering Information

PN	CPU	PCH	Memory	PCIe slots	Storage	I/O	PSU
SKY-7632D2F-00A1R	Dual socket, 3rd Gen. Intel® Xeon® Scalable processors	Intel® C621A chipset	16 RDIMM/ LRDIMM slot, up to 3200 MHz	3 x Low profile PCIe4.0 x16 2 x Low profile PCIe4.0 x8	6 x 2.5" HDD/SSD 2 x M.2 NVME	2 x 10/100/1000 RJ45 1 x RJ45 management port 5 x USB3.0 1 x VGA 1 x Serial power (COM)	Redundant 1+1 CRPS 800W
SKY-7632D2F-01A1R	Dual socket, 3rd Gen. Intel® Xeon® Scalable processors	Intel® C621A chipset	16 RDIMM/ LRDIMM slot, up to 3200 MHz	2 x DW FH/FL PCIe 4.0 x 16	6 x 2.5" HDD/SSD 2 x M.2 NVME	2 x 10/100/1000 RJ45 1 x RJ45 management port 5 x USB3.0 1 x VGA 1 x Serial power (COM)	Redundant 1+1 CRPS 800W
SKY-7632D2R (By project)	Dual socket, 3rd Gen. Intel® Xeon® Scalable processors	Intel® C621A chipset	16 RDIMM/ LRDIMM slot, up to 3200 MHz	3 x Low profile PCIe4.0 x16 2 x Low profile PCIe4.0 x8	6 x 2.5" HDD/SSD 2 x M.2 NVME	2 X 10/100/1000 RJ45 1 x RJ45 management port 5 x USB3.0 1 x VGA 1 x Serial power (COM)	Redundant 1+1 CRPS 800W

Packing List

Part no.	Description
1970004564N001	1U CPU Heatsink
1970004567N001	2U CPU Heatsink
1651003476-01	LGA 4189 P4 CPU socket Carrier

Optional Accessories

Part no.	Description
1702002600	Power cord 3P 180 cm, USA
1702002605	Power cord 3P 180 cm, Europe
1702031801	Power cord 3P 180 cm, UK
1700000237	Power cord 3P 180 cm, JP
1700009652	Power cord 3P 180 cm, China
1700027969-01	Power cable for GPU card