

SKY-7632D

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



Features

- Balanced CPU & GPU performance by spread core layout
- Wide temperature support up to 45°C
- 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 platform management by Redfish and secured web interface

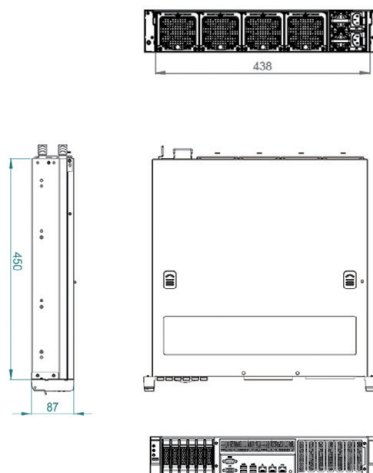


Specifications

System P/N		SKY-7632LP / SKY-7632FH	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		[SKY-7632LP] 3 x Low profile PCIe4.0 x16 2 x Low profile PCIe4.0 x8	3 x Low profile PCIe4.0 x16 2 x Low profile PCIe4.0 x8
		[SKY-7632FH] 2 x DW FH/FL PCIe 4.0 x 16	
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 HDD activity LED
		1 x System Alarm LED	1 x System Alarm LED
	Video	1 x LAN1, LAN2 activity LED	1 x LAN1, LAN2 activity LED
		1 x VGA	1 x VGA
Power Supplies	Others	1 x Serial port (COM) 1 x RJ45 IPMI port	1 x Serial port (COM) 1 x RJ45 IPMI port
	Type	CRPS	CRPS
System Cooling	Power Rating	800W red. AC PSU / (Optional) 1200W	800W red. AC PSU / (Optional) 1200W
		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

Dimensions

Unit: mm



Front View

SKY-7632LP-06A1R

SKY-7632FH-06A1R

SKY-7632D2R (By project)


Rear View

SKY-7632LP-06A1R / SKY-7632FH-06A1R

SKY-7632D2R (By project)


Ordering Information

PN	CPU	PCH	Memory	PCIe slots	Storage	I/O	PSU
SKY-7632LP-06A1R	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-7632FH-06A1R	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
1970005049N001	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

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