SKY-7232D

2U High Performance Rackmount Server with 3rd Gen. Intel® Xeon® Scalable processors

Features

- Up to 12/16 bays 3.5" SAS/SATA or 24 bays 2.5" hot-swap SAS/SATA drives support
- 32x DDR4 ECC-Registered 2666/2933/3200 Mhz RDIMM/LRDIMM
- Up to 4 FHFL, 2 FHHL and 4 Low Profile PCIe Gen4
- 2 M.2 2280 SATA SSD support, Rear 2 2.5" SATA/SAS/NVMe drive support
- 1 OCP 3.0 PCIe Gen4 x16 NIC support

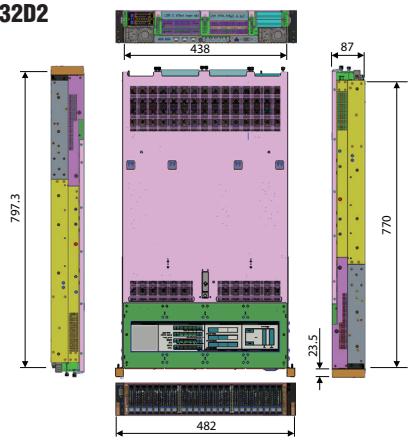
Specifications

System P/N		SKY-7232D3-12A1R	SKY-7232D2-24A1R
Processor	Family	3rd Gen. Intel® Xeon® Scalable processors	3rd Gen. Intel® Xeon® Scalable processors
	Number	2	2
	Cores	up to 38 ccores	up to 38 ccores
	Cache	L3 Cache (1.5MB/core)	L3 Cache (1.5MB/core)
	Speed	up to 3.1 Ghz	up to 3.1 Ghz
	Max TDP	250W Intel® C621A chipset	250W Intel® C621A chipset
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	32	32
	Capacity	Maximum 4T ECC LRDIMM Maximum 2T ECC RDIMM	Maximum 4T ECC LRDIMM Maximum 2T ECC RDIMM
Storage	2.5" HDD/SSD	2 (rear)	2 (rear)
	3.5" HDD	12 (front)	24 (front)
	M.2 SSD	2	2
Expansion Slots		[SKU 1] 2 FHFL PCIe 4.0 x 16 2 FHFL PCIe 4.0 x 8 2 FHHL PCIe 4.0 x8 2 Low Profile PCIe 4.0 x8 (Optional) 2 Low Profile PCIe 4.0 x8 [SKU 2] 2 FHFL double-slots PCIe 4.0 x 16 2 FHHL PCIe 4.0 x8 2 Low Profile PCIe 4.0 x8 (Optional) 2 Low Profile PCIe 4.0 x8 1 OCP3.0 PCIe 4.0 x16	[SKU 1] 2 FHFL PCIe 4.0 x 16 2 FHFL PCIe 4.0 x 8 2 FHHL PCIe 4.0 x8 2 Low Profile PCIe 4.0 x8 (Optional) 2 Low Profile PCIe 4.0 x8 [SKU 2] 2 FHFL double-slots PCIe 4.0 x 16 2 FHHL PCIe 4.0 x8 2 Low Profile PCIe 4.0 x8 (Optional) 2 Low Profile PCIe 4.0 x8 1 OCP3.0 PCIe 4.0 x16
I/O & Ports	Network Interfaces	2 GbE RJ-45, 1 GbE RJ-45 Mgmt	2 GbE RJ-45, 1 GbE RJ-45 Mgmt
	USB	Front : 1 USB3.0, 1 USB2.0 Rear : 2 USB3.0	Front : 1 USB3.0, 1 USB2.0 Rear : 2 USB3.0
	LED Indicator	1 Power status 1 System status 1 HD activity 1 Network activity 1 System UID	1 Power status 1 System status 1 HD activity 1 Network activity 1 System UID
	Video	1 D-sub (Front), 1 D-sub (Rear)	1 D-sub (Front), 1 D-sub (Rear)
	Others	1 Serial port (COM)	1 Serial port (COM)
Power Supplies	Type	CRPS	CRPS
	Power Rating	1200W red. AC PSU / (Optional) 800W or 1600W red. AC PSU	1200W red. AC PSU / (Optional) 800W or 1600W red. AC PSU
System Cooling		4 system FAN with smart FAN control	4 system FAN with smart FAN control
Mechanical	Form Factor	2U12	2U24
	Dimensions (W x H x D) mm	438 x 88 x 797 mm	438 x 88 x 797 mm
	Weight (KG)	25 kg	25 kg
System Management		Aspeed AST2500 BMC Advanced Lights Out Management compliant to IPMI2.0 and Redfish with security and availability enhancements iKVM Support Configurable shared or dedicated NIC support	Aspeed AST2500 BMC Advanced Lights Out Management compliant to IPMI2.0 and Redfish with security and availability enhancements iKVM Support Configurable shared or dedicated NIC 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 40 °C (104 °F)	0 °C (32 °F) to 40 °C (104 °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

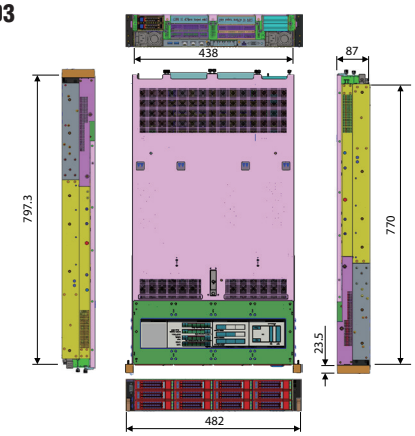
Dimensions

Unit: mm

SKY-7232D2



SKY-7232D3



Front View

SKY-7232D3

SKY-7232D2

Rear View

SKY-7232D3 / SKY-7232D2

Ordering Information

PN	CPU	PCH	Memory	PCIe Slots	Storage	I/O	PSU
SKY-7232D3-12A1R	Dual socket, 3rd Gen. Intel® Xeon® Scalable processors	Intel® C621A chipset	32 DIMM Slots	2 FHFL PCIe 4.0 x 16 2 FHFL PCIe 4.0 x 8 2 FHHL PCIe 4.0 x8 2 Low Profile PCIe 4.0 x8 1 OCP3.0 PCIe 4.0 x16	12 3.5" SAS/SATA (front) 2 2.5" NVMe (rear)	2 GbE RJ-45, 1 GbE RJ-45 Mgmt 1 USB3.0, 1 USB2.0 (front) 2 USB3.0 (rear) 1 D-sub (Front), 1 D-sub (Rear) 1 Serial port (COM)	Redundant 1+1 CRPS 1200W
SKY-7232D2-24A1R	Dual socket, 3rd Gen. Intel® Xeon® Scalable processors	Intel® C621A chipset	32 DIMM Slots	2 FHFL PCIe 4.0 x 16 2 FHFL PCIe 4.0 x 8 2 FHHL PCIe 4.0 x8 2 Low Profile PCIe 4.0 x8 1 OCP3.0 PCIe 4.0 x16	24 2.5" SAS/SATA (front) 2 2.5" SAS/SATA (rear)	2 GbE RJ-45, 1 GbE RJ-45 Mgmt 1 USB3.0, 1 USB2.0 (front) 2 USB3.0 (rear) 1 D-sub (Front), 1 D-sub (Rear) 1 Serial port (COM)	Redundant 1+1 CRPS 1200W

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