

Storage SuperServer SSG-640P-E1CR24H



More details here

Key Applications

Enterprise Server, iSCSI SAN, HPC, Data Center, Database Processing & Storage, Corporate Database, Appliance Optimized Storage Building Blocks,

Key Features

- Dual socket 3rd Gen Intel® Xeon® Scalable processors, up to 72 Cores Per Node;
- 16 ECC DDR4-3200: LRDIMM/RDIMM + 2 Intel® Optane™ Persistent Memory Dedicated Slots;
- 2x 10Gbe; Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN per node;
- 24 3.5"/2.5" Hot-swap SAS3/SATA3 drives, 2x Rear SATA Slots, 1x SATA/NVMe M.2 (form factor: 2280 and 22110);
- 5x 8cm hot-swap counter-rotate redundant PWM cooling fans;
- 1200W Redundant Power Supplies Titanium Level (96%);
- HW RAID support via Broadcom® 3908;



Form Factor	4U Rackmount Enclosure: 437 x 178 x 660mm (17.2" x 7" x 26") Package: 871 x 673 x 343mm (34.3" x 26.5" x 13.5")
Processor	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI
System Memory	16 DIMM slots Up to 18TB Intel® DCPMM, DDR4-2666MHz Up to 4TB ECC RDIMM/LRDIMM, DDR4-3200MHz
Drive Bays	24x 3.5" hot-swap SATA3/SAS3 drive bays 1 M.2 NVMe
Expansion Slots	3 PCIe 4.0 x16 LP slot(s) 1 PCIe 4.0 x8 LP slot(s) Note: PCIe slot 1/2 is occupied by the JBOD Expansion/Storage Controller
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2x 10GbE BaseT with Intel® X550 IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 Dedicated IPMI LAN port USB: 4 USB 3.0 port(s) (4 Rear_USB) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 rear) DOM: 2 SuperDOM (Disk on Module) port



System Cooling 5x 8cm heavy duty fan(s)

Power Supply 1U 1200W/1000W Titanium Power Supply W/PMbus W76xL336xH40mm
 Dimension (W x H x L): 76 x 40 x 336 mm
 Output Type: 19 Pairs Gold Finger Connector

System BIOS BIOS Type: AMI 128MB SPI Flash EEPROM

Management SuperDoctor® 5; Watch Dog; NMI; SUM; IPMI 2.0

PC Health Monitoring CPU: Monitors for CPU Cores, Chipset Voltages, Memory
 4+1 Phase-switching voltage regulator
 FAN: Fans with tachometer monitoring
 Status monitor for speed control
 Pulse Width Modulated (PWM) fan connectors
 Temperature: Monitoring for CPU and chassis environment
 Thermal Control for fan connectors

Dimensions and Weight Height: 7" (178 mm)
 Width: 17.2" (437 mm)
 Depth: 26" (660 mm)
 Gross Weight: 118 lbs (53.52 kg)
 Net Weight: 86 lbs (39 kg)
 Packaging: 26.5" (H) x 34.3" (W) x 13.5" (D)
 Available Color: Black

Operating Environment ROHS: RoHS Compliant
 Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)
 Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)
 Operating Relative Humidity: 8% to 90% (Non-Condensing)
 Non-operating Relative Humidity: 5% to 95% (Non-Condensing)

Motherboard [Super X12DPI-NT6](#)

Chassis [CSE-846BE1C-R1K23B](#)