

UP Storage SuperServer SSG-110P-NTR10

1U UP front-loading storage server with 10 hot-swap 2.5" NVMe bays and PCIe 4.0



More details here

Key Applications

Virtualization, Cloud Computing, All Flash Storage, CDN Optimized,

Key Features

- Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors. Up to 270W TDP.;
- 8 DIMMs; Supports 3DS DDR4-3200: RDIMM/LRDIMM/Intel® Intel® DCPMM;
- 1 PCIe 4.0 x16 (FHHL) slot;
- Intel® Ethernet Controller X550 2x 10GbE RJ45;
- 10x Hot-swap 2.5" All NVMe Gen 4 tool-less drive bays; Onboard 2x NVMe Gen 3/SATA M.2;
- Redundant Platinum 860W Power Supply;



Form Factor

1U Rackmount
 Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5")
 Package: 610 x 203 x 813mm (24" x 8" x 32")

Processor

Single Socket P+ (LGA-4189)
 3rd Gen Intel® Xeon® Scalable processors
 Up to 40C/80T; Up to 60MB Cache

System Memory

Slot Count: 8 DIMM slots
 Max Memory (1DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
 Supports Intel® Optane™ persistent memory 200 series

Drive Bays Configuration

Default: Total 10 bays
 • 10 front hot-swap 2.5" PCIe 4.0 NVMe drive bays
 M.2: 2 M.2 PCIe 3.0 x4 NVMe/SATA slots (M-key 2280/22110; VROC required for RAID)

Expansion Slots

Default
 • 1 PCIe 4.0 x16 FHHL slot

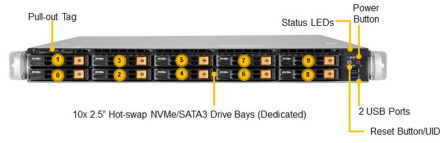
On-Board Devices

NVMe: NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required)
 Chipset: Intel® C621A
 Network Connectivity: 2 RJ45 10GbE with Intel® X550

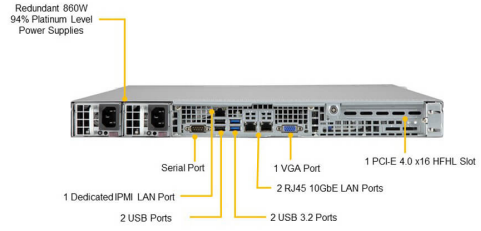
Input / Output

LAN: 2 RJ45 1 GbE LAN ports
 1 RJ45 1 GbE Dedicated BMC LAN port (IPMI shared on LAN port 1)
 USB: 2 USB 2.0 ports(header)
 2 USB 3.2 Gen1 Type-A ports(rear)
 2 USB 2.0 Type-A ports(rear)
 2 USB 3.2 Gen1 Type-A ports(front)
 1 USB 3.2 Gen1 Type-A port
 Video: 1 VGA port
 Serial: 1 COM port(Rear)
 1 COM port(Header)
 DOM: 2 SuperDOM (Disk on Module) portswith built-in power
 TPM: 1 TPM header

(Front View – System)



(Rear View – System)



System Cooling	Fans: 6 Counter-rotating PWM 40x40x56mm Fan(s) Air Shroud: 1 Air Shroud
Power Supply	2x 860W Redundant (1 + 1) Platinum Level (94%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperCloud Composer®; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 7+1 Phase-switching voltage regulator module (VRM) 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	Weight: Gross Weight: 38 lbs (17.24 kg) Net Weight: 25 lbs (11.34 kg) Available Color: Black
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	<u>Super X12SPO-NTF</u>
Chassis	CSE-116TS-R860CBP-N10