

# 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,

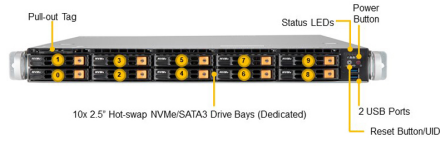
## Key Features

- 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;

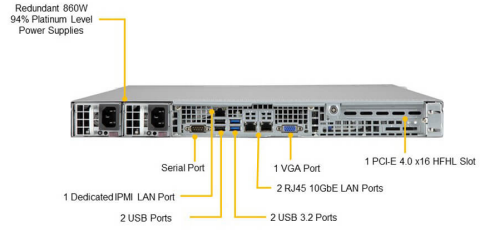


|                                 |   |
|---------------------------------|---|
| <b>Form Factor</b>              | <p>1U Rackmount</p> <p>Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5")</p> <p>Package: 610 x 203 x 813mm (24" x 8" x 32")</p>  |
| <b>Processor</b>                | <p>Single Socket P+ (LGA-4189)</p> <p>3rd Gen Intel® Xeon® Scalable processors</p> <p>Up to 40C/80T; Up to 60MB Cache</p>   |
| <b>System Memory</b>            | <p>Slot Count: 8 DIMM slots</p> <p>Max Memory (1DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM</p> <p>Supports Intel® Optane™ persistent memory 200 series</p>  |
| <b>Drive Bays Configuration</b> | <p>Default: Total 10 bays</p> <ul style="list-style-type: none"> <li>• 10 front hot-swap 2.5" PCIe 4.0 NVMe drive bays</li> </ul> <p>M.2: 2 M.2 PCIe 3.0 x4 NVMe/SATA slots (M-key 2280/22110; VROC required for RAID)</p>  |
| <b>Expansion Slots</b>          | <p>Default</p> <ul style="list-style-type: none"> <li>• 1 PCIe 4.0 x16 FHHL slot</li> </ul>   |
| <b>On-Board Devices</b>         | <p>NVMe: NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required)</p> <p>Chipset: Intel® C621A</p> <p>Network Connectivity: 2 RJ45 10GbE with Intel® X550</p>   |
| <b>Input / Output</b>           | <p>LAN: 2 RJ45 1 GbE LAN ports</p> <p>1 RJ45 1 GbE Dedicated BMC LAN port (IPMI shared on LAN port 1)</p> <p>USB: 2 USB 2.0 ports(header)</p> <p>2 USB 3.2 Gen1 Type-A ports(rear)</p> <p>2 USB 2.0 Type-A ports(rear)</p> <p>2 USB 3.2 Gen1 Type-A ports(front)</p> <p>1 USB 3.2 Gen1 Type-A port</p> <p>Video: 1 VGA port</p> <p>Serial: 1 COM port(Rear)</p> <p>1 COM port(Header)</p> <p>DOM: 2 SuperDOM (Disk on Module) portswith built-in power</p> <p>TPM: 1 TPM header</p> |

(Front View – System)



(Rear View – System)



|                       |  |
|-----------------------|--|
| System Cooling        | Fans: 6 Counter-rotating PWM 40x40x56mm Fan(s)<br>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<br>7+1 Phase-switching voltage regulator module (VRM)<br>FAN: Fans with tachometer monitoring<br>Status monitor for speed control<br>Pulse Width Modulated (PWM) fan connectors<br>Temperature: Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors |
| Dimensions and Weight | Weight: Gross Weight: 38 lbs (17.24 kg)<br>Net Weight: 25 lbs (11.34 kg)<br>Available Color: Black   |
| Operating Environment | Operating Temperature: 10°C to 35°C (50°F to 95°F)<br>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing)  |
| Motherboard           | <a href="#"><u>Super X12SPO-NTF</u></a>  |
| Chassis               | <b>CSE-116TS-R860CBP-N10</b>   |