

UP SuperServer SYS-111E-WR



More details here

Key Applications

Virtualization, Cloud Computing, Data Center Optimized, Database/Storage, Entry GPU server,

Key Features

- Single Socket E (LGA-4677) 4th/5th Gen Intel® Xeon® Scalable processors. Up to 300W TDP;
- Intel® C741 Chipset;
- 8 DIMMs; Supports 3DS DDR5 RDIMM. Up to 5600 MHz;
- 2 PCIe 5.0 x16 FHFL; 1 PCIe 5.0 x8 (in x16) LP; 1 PCIe 3.0 x2 NVMe M.2;
- Onboard 1G LAN ports (Intel® i210), 1 dedicated IPMI LAN;
- 10x front hot-swap 2.5" SATA3 drive bays (Optional all 10 hybrid Gen5 NVMe), SAS3 with additional SAS controller card;
- Redundant Now Titanium 860W Power Supplies;



Form Factor

1U Rackmount
 Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5")
 Package: 597 x 197 x 800mm (23.5" x 7.75" x 31.5")

Processor

Single Socket E (LGA-4677)
 5th Gen Intel® Xeon®/4th Gen Intel® Xeon® Scalable processors
 Up to 52C/104T; Up to 300MB Cache

GPU

Max GPU Count: Up to 1 double-width or 2 single-width GPU(s)
 Supported GPU: NVIDIA PCIe: L4, A10, RTX A4000, A2
 CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect
 GPU-GPU Interconnect: PCIe

System Memory

Slot Count: 8 DIMM slots/8 Channels
 Max Memory (1DPC): Up to 2TB 4800MT/s ECC DDR5 RDIMM

Drive Bays

10x 2.5" NVMe/SATA/SAS drive bays (10x 2.5" NVMe hybrid)
 1x PCIe 3.0 x2
 M-key, 2280, 22110

Expansion Slots

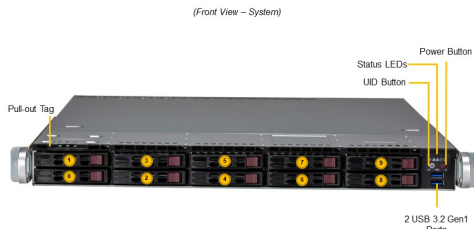
2 PCIe 5.0 x16 FHFL slot(s)
 1 PCIe 5.0 x8 (in x16) LP slot(s)
 Note: Acronyms: (FH = Full Height, LP = Low Profile, FL = Full Length, HL = Half Length)

On-Board Devices

SATA: SATA3 (6Gbps); RAID 0/1/5/10 support
 NVMe: NVMe
 Chipset: Intel® C741
 Network Connectivity: 2x 1GbE BaseT with Intel® i210
 IPMI: Support for Intelligent Platform Management Interface v.2.0
 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

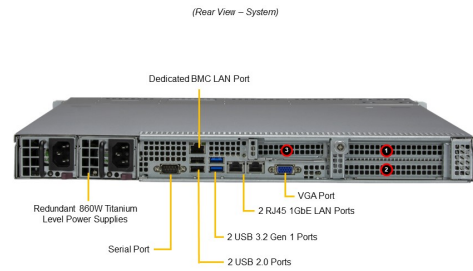
Input / Output

SATA: 10 SATA (6Gbps) port(s)
 LAN: 2 RJ45 1GbE LAN ports
 1 RJ45 Dedicated IPMI LAN port
 USB: 4 USB 3.2 Gen 1 port(s) (2 front; 2 rear)
 3 USB 2.0 port(s) (2 rear; 1 Type A)
 Video: 1 VGA port(s)
 Serial Port: 2 COM Port(s) (1 header; 1 rear)



Drive Bay	Description
0 - 6	2.5" Hot-swap PCIe 5.0 NVMe/SAS3/SATA3 Drive Bays

* NVMe or SAS3 support requires additional parts from the optional parts list



Slot	Description
1	PCIe 5.0 x16 FHFL
2	PCIe 5.0 x16 FHFL
3	PCIe 5.0 x8 (in x16) LP

System Cooling	Fans: 1 AOC cooling Fan(s) (optional) 5 middle cooling PWM 40x40x56mm Fan(s)
Power Supply	2x 860W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 8 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: 1.7" (43 mm) Width: 17.2" (437 mm) Depth: 23.5" (597 mm) Gross Weight: 33.5 lbs (15.2 kg) Net Weight: 21 lbs (9.53 kg) Packaging: 7.75" (H) x 23.5" (W) x 31.5" (D) Available Color: Black
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)
Motherboard	Super X13SEW-F
Chassis	CSE-116BTS-R000WNP