

UP SuperServer SYS-511R-W

1U WIO with 4 hot-swap 3.5" SAS/SATA (2 NVMe hybrid) bays, up to 2 PCIe 5.0 slots and 1 PCIe 4.0 slot



More details here

Key Applications

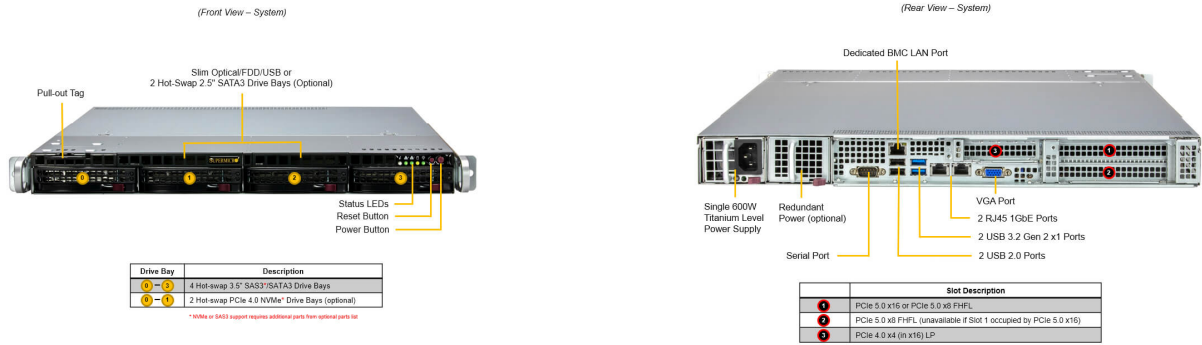
Virtualization, Cloud Computing, Enterprise Server, Data Center Optimized, Entry GPU server, Rack Workstation,

Key Features

- Single Socket V0 (LGA-1700) supports Intel® Xeon® E-2400 series, Intel® Pentium® processors;
- 4 DIMMs; Up to 128GB of DDR5 ECC UDIMM memory with speeds of up to 4400MHz;
- 1 PCIe 5.0 x16 or 2 PCIe 5.0 x8 (FHFL); 1 PCIe 4.0 x4 (in x16 LP);
- Intel® Ethernet Controller i210 2x 1GbE RJ45;
- Default single Titanium 600W Power Supply; Optional redundant power by adding 1x Power Supply Module;



Form Factor	1U Rackmount Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6") Package: 597 x 216 x 856mm (23.5" x 8.5" x 33.7")
Processor	Single processor(s) Intel® Xeon® E-2400 series Processors and 12th Gen. Pentium® Processors Up to 8C/16T; Up to 24MB Cache
GPU	Max GPU Count: Up to 1 double-width or 1 single-width GPU(s) Supported GPU: NVIDIA PCIe: L40, T1000, RTX A2000, L4 CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect
System Memory	Slot Count: 4 DIMM slots/2 Channels Max Memory (2DPC): Up to 128GB 4400MT/s ECC DDR5 UDIMM
Drive Bays Configuration	Default: Total 4 bay(s) <ul style="list-style-type: none"> • 4 front hot-swap 3.5" SAS*/SATA drive bay(s) Option A: Total 4 bay(s) <ul style="list-style-type: none"> • 2 front hot-swap 3.5" PCIe 4.0 NVMe*/SAS*/SATA drive bay(s) • 2 front hot-swap 3.5" SAS*/SATA drive bay(s) (*NVMe/SAS support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 PCIe 4.0 x4 NVMe slot(s) (M-key 2280/22110) Peripheral Bays: 2 2.5" bay(s) (optional)
Expansion Slots	Default <ul style="list-style-type: none"> • 2 PCIe 5.0 x8 FHFL slot(s) • 1 PCIe 4.0 x4 (in x16) LP slot(s) Option A <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 FHFL double-width slot(s) • 1 PCIe 4.0 x4 (in x16) LP slot(s)
On-Board Devices	SATA: SATA (6Gbps) ; RAID 0/1/5/10 support Chipset: Intel® C266 Network Connectivity: 2 RJ45 1GbE with Intel® I210
Input / Output	LAN: 2 RJ45 1 GbE LAN port(s) 1 RJ45 1 GbE Dedicated IPMI LAN port(s) (IPMI shared on LAN port 1) USB: 4 USB 2.0 port(s) (header) 2 USB 2.0 Type-A port(s) (rear) 2 USB 3.2 Gen1 port(s) (Header) 1 USB 3.2 Gen2 Type-A port(s) (Header) 2 USB 3.2 Gen2 Type-A port(s) (Rear) Video: 1 VGA port(s) Serial: 1 COM port(s) (Rear) 1 COM port(s) (Header)



System Cooling Fans: 2 AOC cooling Fan(s) (optional)
4 counter-rotation PWM 40x40x56mm Fan(s)

Power Supply 1x 600W Redundant Titanium Level (96%) power supply

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
6 + 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 Weight: Gross Weight: 34.5 lbs (15.46 kg)
Net Weight: 21.5 lbs (9.75 kg)
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 X13SCW-F](#)

Chassis CSE-815BTS-R000WNP