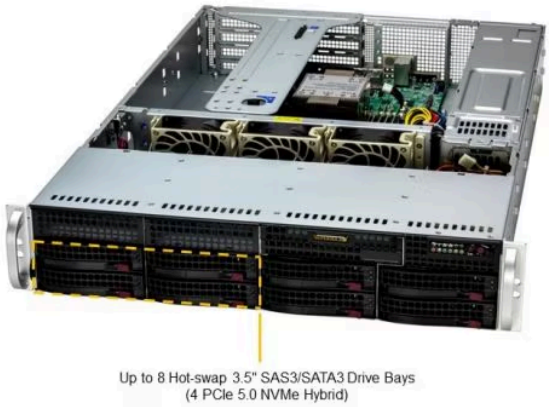
Supermicro 2U WIO SuperServer (SYS-522B-WR)

- **Key Features/Applications**: Networking Appliance, General Purpose Computing, Web Server, Firewall Application, Data Center Optimized, Entry-Level System for SOHO and SMB, Entry GPU Server
- **CPU**: Single Intel® Xeon® 6 6700 Series Processor with E-cores
- **Chassis**: 2U / 1 Node
- **Drive**: 8 3.5" Hot-Swap SATA/NVMe/SAS Drive Bays (4x NVMe Hybrid)
- **RAM**: 8 DDR5 DIMM Slots
- **Network Ports**: 2 1GbE LAN Ports
- **Ships Within 3-5 Business Days**

IN STOCK



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*Actual product may vary slightly from photo shown

Product SKUs

SuperServer SYS-522B-WR

Processor

CPU	• Single Socket E2 (LGA-4710) • Intel® Xeon® 6700/6500 series processors with P-cores or 6700 series processors with E-cores
Core Count	• P-cores: Up to 86C/172T; Up to 336MB Cache • E-cores: Up to 144C/144T; Up to 108MB Cache
Note	• Supports up to 350W TDP CPUs (Air Cooled)

GPU

Max GPU Count	• Up to 1 double-width or 2 single-width GPUs
Supported GPU	• NVIDIA PCIe: RTX 5000 Ada, A1000, RTX 4000 Ada Generation
CPU-GPU Interconnect	• PCIe 5.0 x16 CPU-to-GPU Interconnect

System Memory

Memory	• Slot Count: 8 DIMM slots/8 Channels • Max Memory (1DPC): Up to 2TB 6400MT/s ECC DDR5 RDIMM
Memory Voltage	• 1.1V

On-Board Devices

SATA	• SATA (6Gbps)
NVMe	• NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required)
Chipset	• System on Chip
Network Connectivity	• 2 RJ45 1GbE with Intel® I210

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 3.2 Gen1 Type-A ports(rear) • 2 USB 3.2 Gen1 ports(Header)
Video	• 1 VGA port
Serial	• 1 COM port(Rear) • 1 COM port(Header)
TPM	• 1 TPM header

System BIOS

BIOS Type	• AMI 64MB SPI Flash EEPROM

Management

Chassis

Form Factor	• 2U Rackmount
Model	• **CSE-825B2TS-R0WNP**

Dimensions and Weight

Height	• 3.5" (89 mm)
Width	• 17.2" (437 mm)
Depth	• 25.5" (647 mm)
Package	• 11" (H) x 26.5" (W) x 34" (D)
Weight	• Gross Weight: 59 lbs (26.76 kg) • Net Weight: 34 lbs (15.42 kg)
Available Color	• Black

Front Panel

LED	• Device Activity • LAN 1 Activity • LAN 2 Activity • Power Failure LED • Power status • System information
Buttons	• Power On/Off • System Reset

Drive Bays / Storage

Drive Bays Configuration	• Default: Total 8 bays
	  ◦ 8 front hot-swap 3.5" SAS*/SATA drive bays
	• Option A: Total 8 bays
	  ◦ 4 front hot-swap 2.5" PCIe 5.0 x4 NVMe*/SAS*/SATA drive bays
	  ◦ 4 front hot-swap 3.5"/2.5" SAS*/SATA drive bays
	• (*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 5.0 x2 NVMe slots (M-key 2280/22110; VROC required for RAID)
Peripheral Bays	• 1 slim peripheral bay

System Cooling

Fans	• 3 heavy duty PWM 80x80x38cm Fan(s)
Air Shroud	• 1 CPU Air Shroud

Power Supply

QtyWithPsu	• 2x 1000W
Description	• 2x 1000W Redundant (1 + 1) Titanium Level (96%) power supplies
Dimension (WxHxL)	• 76 x 40 x 336 mm

Software	• SuperCloud Composer® • Supermicro Server Manager (SSM) • Super Diagnostics Offline (SDO) • Supermicro Thin-Agent Service (TAS) • SuperServer Automation Assistant (SAA) New!
Power configurations	• ACPI/APM Power Management
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

Input	• 800W: 100-127Vac / 50-60Hz 1000W: 200-240Vdc / 50-60Hz 1000W: 200-240Vac / 50-60Hz
+12V	• Max: 66.7A / Min: 0A (100Vac-127Vac) Max: 83A / Min: 0A (200Vdc-240Vdc) Max: 83A / Min: 0A (200Vac-240Vac)
5V SB	• Max: 4A / Min: 0A
Output Type	• Backplanes (gold finger)
Operating Environment	
Environmental Spec.	• Operating Temperature: 10°C to 35°C (50°F to 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)

Resources

Prop 65 Warning