

UP SuperServer SYS-521E-WR



More details here

Key Applications

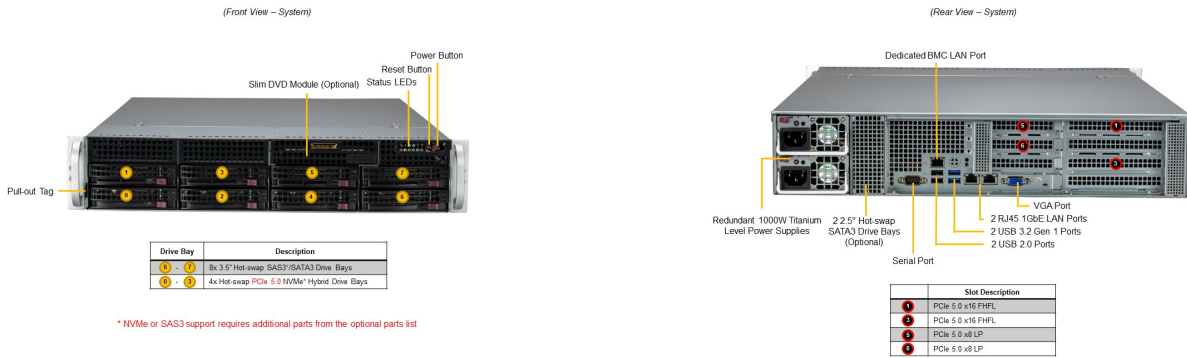
Data Center Optimized, Network Appliance, Database/Storage, Entry GPU server,

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; 2 PCIe 5.0 x8 LP; 1 PCIe 3.0 x2 NVMe M.2;
- Onboard 1G LAN ports (Intel® i210), 1 dedicated IPMI LAN;
- 8x front hot-swap 3.5" SATA3 drive bays (Optional 4 hybrid Gen5 NVMe), SAS3 with additional SAS controller card;
- Redundant Now Titanium 1000W Power Supplies;



Form Factor	2U Rackmount Enclosure: 437 x 89 x 647mm (17.2" x 3.5" x 25.5") Package: 673.1 x 279.4 x 863.6mm (26.5" x 11" x 34")
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: RTX A5000, RTX A4000, T400, RTX A4500, RTX A2000 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	8x 3.5" NVMe/SATA/SAS drive bays (4x 3.5" NVMe hybrid) 1x PCIe 3.0 x 2 M-key, 2280, 22110
Expansion Slots	2 PCIe 5.0 x16 FHFL slot(s) 2 PCIe 5.0 x8 LP slot(s) Note: Default loadout. (For more configs, please contact sales) FH slots can be reconfigured with RSC-W2-688G5. 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: 3 USB 2.0 port(s) (2 rear; 1 Type A) 4 USB 3.2 Gen 1 port(s) (2 rear; 2 headers) Video: 1 VGA port(s) Serial Port: 2 COM Port(s) (1 header; 1 rear)



System Cooling	Fans: 3 heavy duty PWM 80x80x38mm Fan(s)
Power Supply	2x 1000W 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: 3.5" (89 mm) Width: 17.2" (437 mm) Depth: 25.5" (647 mm) Gross Weight: 59 lbs (26.76 kg) Net Weight: 34 lbs (15.42 kg) Packaging: 11" (H) x 26.5" (W) x 34" (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-825B2TS-R0WNP