UP SuperServer SYS-511E-WR

1U UP WIO with 4 hot-swap 3.5" SAS/SATA bays and 3 PCIe 5.0 slots
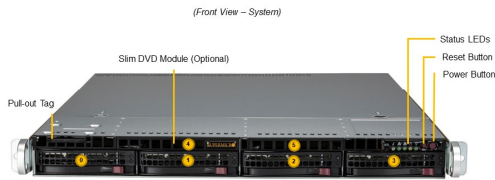
More details here

Key Applications

Virtualization, Cloud Computing, Data Center Optimized, Entry GPU server, Value IaaS,

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;
- Onboard 1G LAN ports (Intel® i210), 1 dedicated IPMI LAN;
- 4x front hot-swap 3.5" SATA3 drive bays, SAS3 with additional SAS controller card;
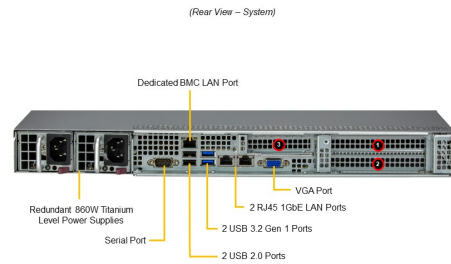- Redundant Now Titanium 860W Power Supplies;

Form Factor	1U 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 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 GPUs Supported GPU: NVIDIA PCIe: L4, A2, A10 CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect
System Memory	Slot Count: 8 DIMM slots/8 Channels Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 4 bays • 4 front hot-swap 3.5" SAS*/SATA drive bays (*SAS support may require additional storage controller and/or cables) M.2: 1 M.2 PCIe 3.0 x2 NVMe slot (M-key 2280/22110) Peripheral Bays: 2 2.5" peripheral bays (optional)
Expansion Slots	Default • 2 PCIe 5.0 x16 FHFL slots • 1 PCIe 5.0 x8 (in x16) LP slot
On-Board Devices	SATA: SATA (6Gbps) ; RAID 0/1/5/10 support Chipset: Intel® C741 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 2.0 Type-A ports(rear)
	     1 USB 2.0 Type-A port(Header)
	     2 USB 3.2 Gen1 ports(Header)
	Video: 1 VGA port
	Serial: 1 COM port(Rear)
	     1 COM port(Header)
	TPM: 1 TPM header

(Front View – System)

(Rear View – System)

Pull-out Tag
Slim DVD Module (Optional)
Status LEDs
Reset Button
Power Button

Dedicated BMC LAN Port
Redundant 860W Titanium Level Power Supplies
Serial Port
VGA Port
2 RJ45 1GbE LAN Ports
2 USB 3.2 Gen 1 Ports
2 USB 2.0 Ports

Drive Bay			Description
0	-	3	3.5" Hot-swap SAS3/SATA3 Drive Bays
4	-	5	2.5" 7mm SAS/SATA Drive Bays** (optional)

*SAS3 support requires additional parts from the optional parts list
** Drive bay 4 or 5 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: 5 middle cooling PWM 40x40x56mm Fan(s) 1 AOC cooling Fan(s) (optional) Air Shroud: 1 Air Shroud
Power Supply	2x 860W Redundant (1 + 1) Titanium Level (96%) 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
	        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	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 X13SEW-F**
Chassis	**CSE-815BTS-R000WNP**