Mainstream SuperServer SYS-621P-TR
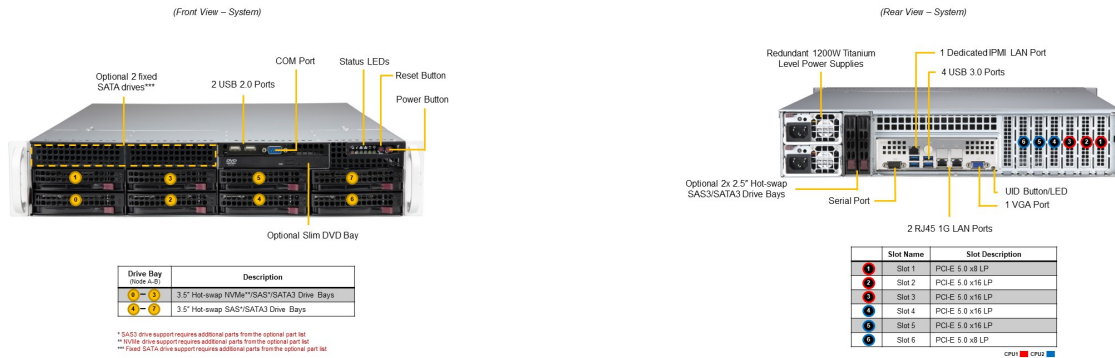
Key Applications

Virtualization, Enterprise Server, Application and data serving, Compute Intensive Applications,

Key Features

- Dual Socket E (LGA-4677) 5th/4th Gen Intel® Xeon® Scalable processors,supports up to 300W TDP;
- 16 DIMM slots, Up to 4TB DDR5-5600MHZ/4800MHz ECC Registered RDIMM;
- 4 PCIe 5.0 x16 Low Profile (LP), 2 PCIe 5.0 x8 Low Profile (LP);
- 1200W Redundant Titanium level Power Supplies;

Form Factor	2U Rackmount Enclosure: 437 x 89 x 647mm (17.2" x 3.5" x 25.5") Package: 678 x 290 x 876mm (26.7" x 11.4" x 34.5")
Processor	Dual Socket E (LGA-4677) 5th Gen Intel® Xeon®/4th Gen Intel® Xeon® Scalable processors
System Memory	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM
Drive Bays	8x 3.5" hot-swap SATA3 drive bays (Configurable option for 8 hot-swap SAS or 4x hot-swap NVMe drive bays. NVMe or SAS support requires additional parts. Please see the Optional Parts list) 2 M.2 NVMe
Expansion Slots	2 PCIe 5.0 x8 LP slot(s) 4 PCIe 5.0 x16 LP slot(s)
On-Board Devices	SATA: SATA3 (6Gbps) Chipset: Intel® C741 Network Connectivity: 2x 1GbE port(s) 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	LAN: 1 RJ45 Dedicated BMC LAN port USB: 2 USB 2.0 port(s) (2 front) 4 USB 3.0 port(s) (4 rear) Video: 1 VGA port(s) Serial Port: 2 COM Port(s) (1 rear; 1 front) DOM: 2 SuperDOM (Disk on Module) port

(Front View – System)

Optional 2 fixed SATA drives***
2 USB 2.0 Ports
COM Port
Status LEDs
Reset Button
Power Button
DVD
Optional Slim DVD Bay

Drive Bay (Note A-B)	Description
0 — 3	3.5" Hot-swap NVMe**/SAS*/SATA3 Drive Bays
4 — 7	3.5" Hot-swap SAS*/SATA3 Drive Bays

* SAS3 drive support requires additional parts from the optional part list
** NVMe drive support requires additional parts from the optional part list
*** Fixed SATA drive support requires additional parts from the optional part list

(Rear View – System)

Redundant 1200W Titanium Level Power Supplies
1 Dedicated IPMI LAN Port
4 USB 3.0 Ports
Optional 2x 2.5" Hot-swap SAS3/SATA3 Drive Bays
Serial Port
2 RJ45 1G LAN Ports
UID Button/LED
1 VGA Port

Slot Name	Slot Description
1	Slot 1	PCI-E 5.0 x8 LP
2	Slot 2	PCI-E 5.0 x16 LP
3	Slot 3	PCI-E 5.0 x16 LP
4	Slot 4	PCI-E 5.0 x16 LP
5	Slot 5	PCI-E 5.0 x16 LP
6	Slot 6	PCI-E 5.0 x8 LP

CPU1 CPU2

System Cooling	Fans: 3 middle 8cm Fan(s)
Power Supply	1200W 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
	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: 69 lbs (31.2 kg) Net Weight: 36.38 lbs (16.5 kg) Packaging: 11.4" (H) x 26.7" (W) x 34.5" (D) Available Color: Black
Operating Environment	ROHS: RoHS Compliant Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -30°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)
Motherboard	Super X13DEI
Chassis	CSE-825BTS-R1K23LPP1