Mainstream SuperServer SYS-621P-TRT

2U Mainstream with 6 PCIe 5.0 slots and dual 10GbE LAN

More details here

Key Applications

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

Key Features

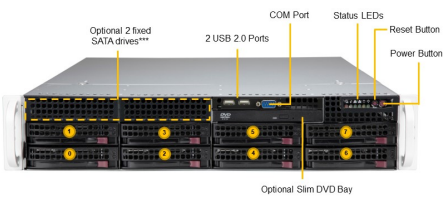
- Dual Socket E (LGA-4677) 5th/4th Gen Intel® Xeon® Scalable processors,supports up to 300W TDP;
- 16 DIMM slots, Up to 4TB DDR5-5600MHZ/4800MHz ECC Registered RDIMM;
- 4 PCIe 5.0 x16 Low Profile (LP), 2 PCIe 5.0 x8 Low Profile (LP);
- 1200W Redundant Titanium level Power Supplies;



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 Configuration	Default: Total 8 bays • 4 front hot-swap 3.5" NVMe*/SAS*/SATA drive bays • 4 front hot-swap 3.5" 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 NVMe slots (M-key) Peripheral Bays: 1 slim DVD bay (optional)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 2 PCIe 5.0 x8 LP slots • 4 PCIe 5.0 x16 LP slots M.2: 2 M.2 PCIe 4.0 x2 NVMe slots (M-key)
On-Board Devices	SATA: SATA (6Gbps) Network Connectivity: 2 RJ45 10GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 2.0 ports(front) 4 USB 3.0 ports(rear) Video: 1 VGA port Serial: 1 COM port(Rear) 1 COM port(Front) DOM: 2 SuperDOM (Disk on Module) ports TPM: 1 TPM Onboard/port 80

©2026 Copyright Super Micro Computer, Inc. All rights reserved. *Product specifications may change without notice

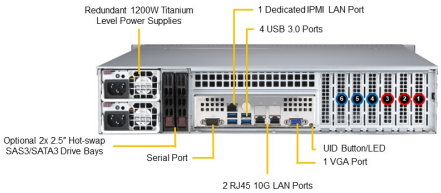
(Front View – System)



Drive Bay (Node 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)



	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: Up to 3 middle 8cm Fan(s)
Power Supply	2x 1200W 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 FAN: Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Weight: Gross Weight: 69 lbs (31.2 kg) Net Weight: 36.38 lbs (16.5 kg) Available Color: Black
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 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-T**
Chassis	**CSE-825BTS-R1K23LPP1**

©2026 Copyright Super Micro Computer, Inc. All rights reserved. *Product specifications may change without notice