Mainstream SuperServer SYS-621P-TRT

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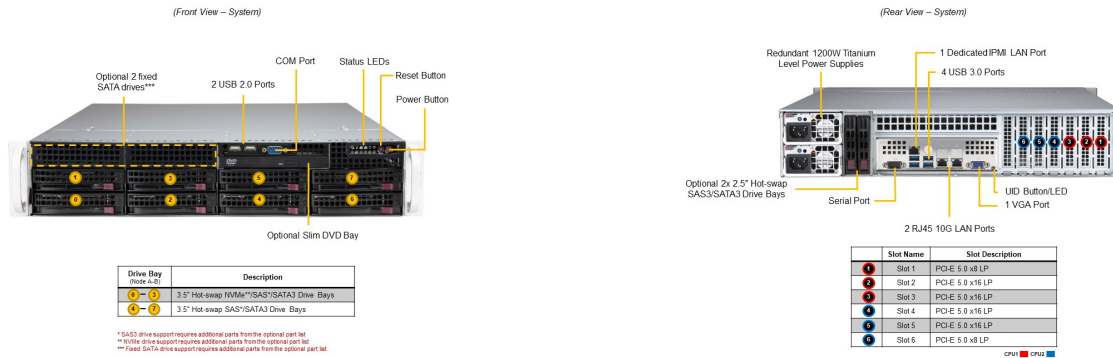
More details here

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 bay(s) • 4 front hot-swap 3.5" NVMe*/SAS*/SATA drive bay(s) • 4 front hot-swap 3.5" SAS*/SATA drive bay(s) (*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 slot(s) (M-key) Peripheral Bays: 1 slim DVD bay(s) (optional)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 2 PCIe 5.0 x8 LP slot(s) • 2 PCIe 5.0 x16 LP slot(s) M.2: 2 M.2 PCIe 4.0 x2 NVMe slot(s) (M-key)
On-Board Devices	SATA: SATA (6Gbps) Chipset: Intel® C741 Network Connectivity: 2 RJ45 10GbE 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 1 GbE Dedicated BMC LAN port(s) USB: 2 USB 2.0 port(s) (front) 4 USB 3.0 port(s) (rear) Video: 1 VGA port(s) Serial: 1 COM port(s) (Rear) 1 COM port(s) (Front) DOM: 2 SuperDOM (Disk on Module) port(s) TPM: 1 TPM Onboard/port 80

(Front View – System)

(Rear 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

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
UID Button/LED
1 VGA Port
2 RJ45 10G LAN Ports

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

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	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 ~ 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-T**
Chassis	**CSE-825BTS-R1K23LPP1**