Mainstream SuperServer SYS-741P-TR

DP 4U rackmount tower workstation with 1GbE for virtualization and enterprise server applications

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 full height slot(s), 2 PCIe 5.0 x8 full height slot(s);
- 1200W Redundant Titanium level Power Supplies;



Form Factor	Tower/4U Enclosure: 178 x 452 x 647mm (7" x 17.8" x 25.5") Package: 356 x 625 x 795mm (14" x 24.6" x 31.3")
Processor	Dual Socket E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors
GPU	Max GPU Count: Up to 1 double-width or 2 single-width GPUs Supported GPU: NVIDIA PCIe: H100 NVL, RTX 4000 SFF Ada Generation, T1000, RTX 6000 Ada Generation, L40S, L4, A16
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 Option A: Total 8 bays • 4 front hot-swap 2.5" NVMe*/SAS*/SATA drive bays • 4 front hot-swap 2.5" 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: 3 5.25" DVD bays (optional)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 2 PCIe 5.0 x8 FHFL slots • 4 PCIe 5.0 x16 FHFL slots M.2: 2 M.2 PCIe 4.0 x2 NVMe slots (M-key)
On-Board Devices	SATA: SATA (6Gbps) Chipset: Intel® C741 Network Connectivity: 2 RJ45 1GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports(front) 4 USB 3.0 ports(rear) Video: 1 VGA port Serial: 1 COM port(Rear) DOM: 2 SuperDOM (Disk on Module) ports TPM: 1 TPM Onboard/port 80

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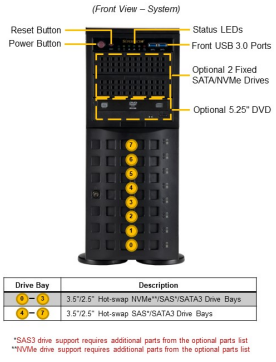
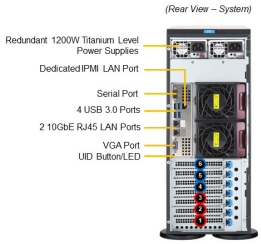


Drive Bay	Description
0 – 3	3.5"/2.5" Hot-swap NVMe*/*/SAS*/SATA3 Drive Bays
4 – 7	3.5"/2.5" Hot-swap SAS*/SATA3 Drive Bays

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



	Slot Name	Slot Description
1	Slot 1	PCIe 5.0 x8 (FH, 6.6"L)
2	Slot 2	PCIe 5.0 x16 (FH, 10.5")
3	Slot 3	PCIe 5.0 x16 (FH, 10.5")
4	Slot 4	PCIe 5.0 x16 (FH, 10.5")
5	Slot 5	PCIe 5.0 x16 (FH, 10.5")
6	Slot 6	PCIe 5.0 x8 (FH, 6.6"L)

CPU1 CPU2

System Cooling	Fans: 3 middle Fan(s) 2 rear Fan(s)
Power Supply	2x 1200W Redundant (1 + 1) Titanium Level (96%) Hot-plug 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 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: 73.5 lbs (33.9 kg) Net Weight: 56 lbs (25.9 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**
Chassis	**CSE-745BTS-R1K23BP**

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