

# Mainstream SuperServer SYS-621P-TR



More details here

## Key Applications

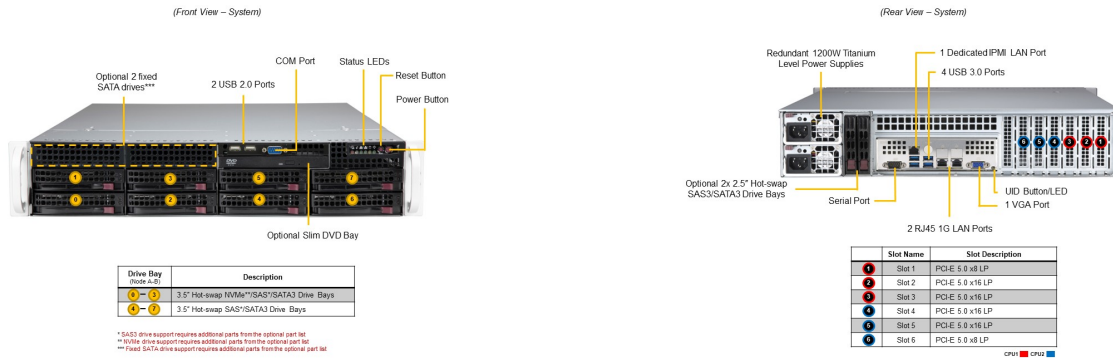
Virtualization, Enterprise Server, Application and data serving, Compute Intensive Applications,

## 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	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



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	<a href="#">Super X13DEI</a>
Chassis	CSE-825BTS-R1K23LPP1

## Parts List

### Standard Parts (Parts Included)

#### Motherboard / Chassis

Part Number	MBD-X13DEI	CSE-825BTS-R1K23LPP1
Qty	1	1
Description	Super X13DEI Motherboard	2U Chassis

#### Backplane

Part Number	BPNSAS4-825A-N4
Qty	1
Description	8-Port Hybrid Backplane for 4xSAS4/SATA3 and 4xHybrid Device

#### Cable

Part Number	CBL-CDAT-0845-48	CBL-SAST-1261-100	CBL-0071L	CBL-PWCD-0160-HS	CBL-PWEX-1078
Qty	1	1	1	2	3
Description	I2C,1x4F,PH2.5 to PH1.25,48cm,26AWG,RoHS	Slimline x8 (STR) to 2x Slimline x4 (STR),60/60CM,100O	ROUND 16 TO 16 PIN FIBBON FP CABLE 30"L, LF	PWCD,US,NEMAS-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH	PWEX,FAN,1X4/P2.5 TO 1X4/P2.54,20CM,22AWG,5A/PIN,RoHS

#### Drive Tray(s)

Part Number	MCP-220-00007-01	MCP-220-00023-01	MCP-220-00075-0B	MCP-220-82502-0B	MCP-290-82607-0N
Qty	1	1	8	2	1
Description	Black USB/COM port tray for SC825, 836	Black USB dummy tray support 1x 2.5" slim HDD for SC825, 836	Black gen 5.5 hot-swap 3.5" HDD tray	Black fixed 3.5" HDD tray or FDD dummy tray	826B/216B rear dummy cover for 2 X 2.5

#### Parts

Part Number	MCP-260-00042-3N
Qty	1
Description	STD I/O shield for X13 server MB with venting holes

#### Manual

Part Number	MNL-2567-QRG
Qty	1
Description	621P-TR(T) Quick Reference Guide

#### Software

Part Number	SFT-OOB-LIC
Qty	1
Description	License key for enabling OOB BIOS management

#### Heatsink / Retention

Part Number	SNK-P0088P
Qty	2
Description	2U Passive CPU HS for X13 Intel Eagle Stream Platform

#### \* Power Supply

Part Number	PWS-1K23A-1R
Qty	2
Description	AC-DC 1200W, Titanium Level, Redundancy, 1U, PMBUS 1.2, +12V/+5Vsb, 336x76x40 mm,HF,RoHS/REACH

#### \* Power Distributor

Part Number	PDB-PT825-S8824
Qty	1
Description	SC825 24PIN REDUNDANT PWR DISTRIBUTOR W/ SHORT CBL

#### \* Fan

Part Number	FAN-0206L4
Qty	3
Description	80x80x38 mm, 13.5K RPM, Middle Cooling Fan for 2U and above Servers

#### \* Front Panel

Part Number	FPB-FP836-D
Qty	1
Description	Front control board Dual color LED(FP836-D)forSC823M,825,825

#### \* Rear Window

Part Number	MCP-240-82608-0N
Qty	1
Description	216B/826B LP rear window,RoHS/REACH,PBF

#### \* Peripheral Drive

Part Number	MCP-290-00007-01
Qty	1
Description	Black DVD dummy cover for SC825, 836

#### \* Rail Set

Part Number	MCP-290-00053-0N	MCP-290-00060-0N
Qty	1	1
Description	Rail set, quick/quick, default for 2,3U 17.2"W	Threaded rail adapter default for round hole rack

#### \* Air Shroud

Part Number	MCP-310-29001-0N
Qty	1
Description	SC825/826/216/213 Intel DP X9,X8 air shroud 13.68x13/12x13

#### Notes:

- Parts with \* are inside the chassis
- Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.

### Optional Parts List

#### Management Software

Part Number	SFT-DCMS-Single
Qty	1
Description	DataCenter Management Package (per node license)

#### Optional 2x fixed SATA drive Kit

Part Number	2x CBL-0044L+CBL-0082L+2x MCP-110-82501-0N
Qty	1
Description	1x CBL-0044L can support 1x 2.5 inch SATA drives and 1x CBL-0082L can support 2x 2.5 inch SATA drives

#### Optional 2U Cable Management Arm Kit

Part Number	1 x MCP-120-82503-0N+1 x MCP-290-00073-0N <Store ( <a href="https://store.supermicro.com/2u-3u-4u-cable-management-arm-mcp-290-00073-0n-1.html">https://store.supermicro.com/2u-3u-4u-cable-management-arm-mcp-290-00073-0n-1.html</a> )
Qty	1
Description	2U Cable Management Arm Kit

#### Optional 2x Rear hotswap SATA drive Kit

Part Number	1x MCP-220-82616-0N ( <a href="https://products/accessories/drivekit/MCP-220-82616-0N.php">/products/accessories/drivekit/MCP-220-82616-0N.php</a> ), <Store ( <a href="https://store.supermicro.com/mcp-220-82616-0n-rear-drive-kit.html">https://store.supermicro.com/mcp-220-82616-0n-rear-drive-kit.html</a> )
Qty	1
Description	The rear MCP-220-82616-0N can only support 2x 2.5 inch SATA drives with related 2x 7pin SATA cable

#### Optional 3.5 to 2.5 drive tray

Part Number	1x MCP-220-00043-0N <Store ( <a href="https://store.supermicro.com/mcp-220-00043-0n.html">https://store.supermicro.com/mcp-220-00043-0n.html</a> )
Qty	1
Description	Black 3.5-to-2.5 drive tray, Red tab (For SATA/SAS),

#### Optional 8-ports SAS Raid controller kit

Part Number	1x AOC-S3908L-H8IR-16DD-O
Qty	1
Description	Standard LP, 8 internal ports (12Gb/s) Gen-4; RAID 0, 1, 5, 6, 10, 50, 60

**Optional CacheVaults Kit**

Part Number 1xBTR-CVPM05+1x MCP-240-00203-0N  
Qty 1  
Description CacheVault for Broadcom 3908/3916 with Supercap and PCI bracket

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**Optional Front Hot-Swap NVMe Kit**

Part Number 1xCBL-MCIO-1260M5+2xMCP-220-00043-0N for 2 U.2 NVMe Drives  
Qty 1  
Description NVMe Kit for front hot-swap NVMe . Max. 4 NVMe support

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**Optional Front Slim ODD Kit**

Part Number 1xDVM-TEAC-DVD-SBT5+1x MCP-220-81502-0N - @Store(<https://store.supermicro.com/dvd-mounting-kit-mcp-220-81502-0n.html>)  
Qty 1  
Description BLACK TEAC SLIM DVD SATA DRIVE

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**Optional MCC CPU Carrier**

Part Number 1x SKT-1424L-001B-FXC  
Qty 1  
Description CPU Carrier for Intel Socket-E ( LGA4677) E1B MCC CPU

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**Optional Trusted Platform Module**

Part Number 1 x AOM-TPM-9670V-S-O  
Qty 1  
Description SPI Vertical TPM 2.0 0 using SLB9670

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**Optional XCC CPU Carrier**

Part Number 1x SKT-1333L-0000-FXC  
Qty 1  
Description CPU Carrier for Intel Socket-E ( LGA4677) E1A XCC CPU

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[Global SKU \(\(en/products/SMC\\_global\\_skus\)\)](#)

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