



Key Features

- 4th Gen Intel® Xeon® Scalable processors, Single Socket LGA-4677 (Socket E) supported, CPU TDP supports Up to 350W TDP
Intel C741® Chipset
Up to 2TB 3DS ECC RDIMM, DDR5-4800MT/s (1DPC) in 8 DIMM slots
8 NVMe ports PCIe 5.0 x4 via 4 M.2 connectors
1 PCIe 5.0 x8,
2 PCIe 5.0 x16,
4 PCIe 5.0 x8 M.2 connectors
M.2 Interface: 2 PCIe 4.0 x2
M.2 Form Factor: 2280, 22110
M.2 Key: M-Key
Dual LAN with 10GBase-T with Intel® X550
5 USB 3.2 Gen1 (2 rear, 1 Type-A, 2 via header), 6 USB 2.0 (2 rear, 4 via headers)
Intel® C741 controller for 10 SATA3 (6 Gbps) ports or 2 PCIe 3.0 x4 NVMe + 2 SATA3 ports; RAID (SATA) 0,1,5,10

Optimized Servers

LINKS TO OTHER DOCUMENTS: SYS-211E-FRDN2T (/de/products/system/iot/2u/sys-211e-frn2t), SYS-211E-FRDN2T (/de/products/system/iot/2u/sys-211e-frdn2t)

Specifications

Table with columns for Product SKUs (MBD-X13SEM-TF), Physical Stats (Form Factor: microATX, Dimension: 9.6" x 9.6"), Processor (CPU: 4th Gen Intel® Xeon® Scalable), System Memory (Memory Capacity: 8 DIMM slots, Memory Type: 4800/4400/4000 MT/s), DIMM Sizes, Memory Voltage, Error Detection, On-Board Devices (Chipset: Intel® C741, SATA, IPMI), Graphics, Network Controllers, Input / Output (SATA, LAN, USB, Video Output, Serial Port, DOM), and TPM.

Table with columns for Expansion Slots (PCIe, M.2), System BIOS (BIOS Type, BIOS Features), Management Software (Redfish API, Supermicro Server Manager, Supermicro Power Manager, Supermicro Update Manager, SuperDoctor® 5), Hardware (Trusted Platform Module), PC Health Monitoring (Voltage, LED, Temperature, FAN), and Other Features (WOL, UID, Node Manager Support).

Parts List

Standard Parts (Bulk Package)

CPU carrier		
Part Number	SKT-1424L-001B-FXC	SKT-1333L-0000-FXC
Qty	1	1
Description	CPU carrier for 4th Gen Intel® Xeon® Scalable processors (MCC)	CPU carrier for 4th Gen Intel® Xeon® Scalable processors (XCC)

I/O Shield	
Part Number	MCP-260-00042-0N • eStore (https://store.supermicro.com/mcp-260-00042-0n.html).
Qty	1
Description	STD I/O Shield for X13SEM-TF/-F with EMI Gasket

SATA cable	
Part Number	CBL-0044L • eStore (https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html).
Qty	2
Description	57.5 cm SATA FLAT S-S PBF

Standard Parts (Retail Package)

CPU carrier		
Part Number	SKT-1333L-0000-FXC	SKT-1424L-001B-FXC
Qty	1	1
Description	CPU carrier for 4th Gen Intel® Xeon® Scalable processors (XCC)	CPU carrier for 4th Gen Intel® Xeon® Scalable processors (MCC)

I/O Shield	
Part Number	MCP-260-00042-0N • eStore (https://store.supermicro.com/mcp-260-00042-0n.html).
Qty	1
Description	STD I/O Shield for X13SEM-TF/-F with EMI Gasket

QRG	
Part Number	MNL-2408-QRG
Qty	1
Description	Quick Reference Guide

SATA cable	
Part Number	CBL-0044L • eStore (https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html).
Qty	2
Description	57.5 cm SATA FLAT S-S PBF

Optional Parts

TPM security module	
Part Number	AOM-TPM-9670V
Qty	1
Description	SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor