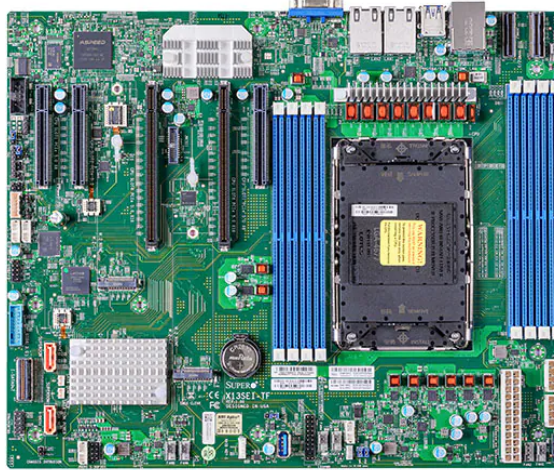


X13SEI-TF



Key Features

4th Gen Intel® Xeon® Scalable processors, Single Socket LGA-4677 (Socket E), CPU TDP supports up to 350W TDP

Intel C741® Chipset

Up to 2TB 3DS ECC RDIMM, DDR5-4800MT/s (1DPC) in 8 DIMM slots

2 MCIO (PCIe5.0 x8) connectors for 4 NVMe SSDs

3 PCIe 5.0 x8,

2 PCIe 5.0 x16,

M.2 Interface: 2 PCIe 5.0 x4

M.2 Form Factor: 2280, 22110

M.2 Key: M-Key

Dual LAN with 10GbE with Intel® X550

4 USB 3.2 Gen1 (2 rear, 1 Type-A, 1 via header), 2 USB 2.0 (2 rear)

Intel® C741 controller for 10 SATA3 (6 Gbps) ports

Specifications

Product SKUs

MBD-X13SEI-TF

Physical Stats

Form Factor

ATX

Dimension

12.3" x 10.3" (31.24cm x 26.16cm)

Processor

CPU

4th Gen Intel® Xeon® Scalable processors

Single Socket LGA-4677 (Socket E) supported, CPU TDP supports Up to 350W TDP

Core

Up to 60 cores

System Memory

Memory Capacity

8 DIMM slots

Up to 2TB 3DS ECC RDIMM, DDR5-4800MHz

Memory Type

4800/4400/4000MHz ECC DDR5 RDIMM (3DS) Up to 256GB of memory with speeds of up to 4800MT/s (1DPC)

DIMM Sizes

16GB, 32GB, 64GB, 128GB, 256GB

RDIMM: 16GB, 32GB, 64GB, 128GB, 256GB

Memory Voltage

1.1V

Error Detection

Corrects single-bit errors

On-Board Devices

Chipset

Intel® C741

SATA

Intel® C741 controller for 10 SATA3 (6 Gbps) ports

IPMI

ASPEED AST2600 BMC

Graphics

1 Aspeed AST2600 BMC port(s)

Network Controllers

Dual LAN with 10GBase-T with Intel® X550

Input / Output

SATA

10 SATA3 (6Gbps) port(s)

LAN

2 RJ45 10 Gigabit Ethernet LAN ports

1 RJ45 Dedicated IPMI LAN port

USB

2 USB 2 port(s) (2 rear)

4 USB 3.2 Gen1 port(s) (2 rear; 1 type A; 1 via header)

Video Output

1 VGA D-Sub Connector port(s)

Serial Port

1 COM Port(s) (1 header)

DOM

2 SATA DOM (Disk on Module) power connector support

TPM

1 TPM Header

Expansion Slots

PCIe

2 PCIe 5.0 x16,

3 PCIe 5.0 x8,

2 PCIe 5.0 x8 PCIe5.0 M.2 connector

M.2

M.2 Interface: 2 PCIe 5.0 x4

Form Factor: 2280/22110

Key: M-Key

System BIOS

BIOS Type

AMI UEFI

BIOS Features

ACPI 6.4

SMBIOS 3.5 or later

UEFI 2.8

Management

Software

SuperDoctor® 5, SPM, SUM, SSM, IPMICFG, IPMIView for Linux/Windows, SMCIPMITool, Trusted Platform Module (TPM), Chassis Intrusion Detection

PC Health Monitoring

Voltage

VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, 6 - fan status, +5V standby, +5V, +3.3V, +12V, Memory Voltages

LED

UID/Remote UID

CPU / System Overheat LED

Temperature

Monitoring for CPU and chassis environment

CPU thermal trip support

Thermal Monitor 2 (TM2) support

PECI

FAN

7x 4-pin fan headers (up to 7 fans)

Fan speed control

Overheat LED indication

7 fans with tachometer status monitoring

Other Features

WOL, UID, Node Manager Support, M.2 NGFF connector, Control of power-on for recovery from AC power loss, Chassis intrusion detection, ACPI power management

Parts List

Standard Parts (Bulk 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)
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I/O Shield

Part Number	MCP-260-00042-1N
Qty	1
Description	STD I/O Shield for X13SEI-TF/-F with EMI Gasket

SATA cable

Part Number	CBL-0044L • eStore
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	Socket E LGA4677, E1A XCC carrier, DG 1.0,ROHS	Socket E E1B Carrier LGA 4677 w/shim SP MCC , DG1.0 , ROHS

I/O Shield

Part Number	MCP-260-00042-1N
Qty	1
Description	STD I/O Shield for X13SEI-TF/-F with EMI Gasket

QRG

Part Number	MNL-2450-QRG
Qty	1
Description	Quick Reference Guide

SATA cable

Part Number	CBL-0044L • eStore
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