

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 1GbE with Intel® I210

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-F

Physical Stats

Form Factor EATX

12.3" x 10.1" (31.24cm x 25.65cm)

Processor CPU

4th Gen Intel® Xeon® Scalable

processors

(/de/support/resources/cpu-4thgen-intel-xeon-scalable)

Single Socket LGA-4677 (Socket F)

supported, CPU TDP supports Up to 350W

Core Up to 60 cores

System Memory

Memory Capacity
8 DIMM slots
Up to 2TB 3DS ECC RDIMM, DDR5-4800MHz

Memory Type
4800/4400/4000 MT/s ECC DDR5 RDIMM
(3DS) Up to 2566B 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**

Error Detection

Corrects single-bit errors

On-Board Devices Chipset Intel® C741

SATA

Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10

IPMI ASPEED AST2600 BMC

Graphics 1 Aspeed AST2600 BMC port(s) Network Controllers Dual LAN with 1GbE with Intel® I210

Input / Output SATA 10 SATA3 (6Gbps) port(s)

2 RJ45 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 (/SATADOM/) (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 MCIO 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

Redfish API

(/manuals/other/RedfishRefGuide. pdf), Supermicro Server Manager

(SSM) (/solutions/SMS_SSM.cfm)

Supermicro Power Manager (SPM)

(/solutions/SMS SPM.cfm),

Supermicro Update Manager

(SUM) (/solutions/SMS SUM.cfm).

SuperDoctor® 5

(/en/solutions/managementsoftware/superdoctor), Super

<u>Diagnostics Offline</u>

(/en/solutions/management-

software/super-diagnostics-

offline), KVM with dedicated LAN

(/manuals/other/BMC IPMI X13 H13.pdf#page=112), IPMI 2.0

(/solutions/IPMI.cfm)

Security

Hardware

Trusted Platform Module (TPM) 2.0

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

Description CPU carrier for 4th Gen Intel® Xeon® Scalable

processors (XCC)

CPU carrier for 4th Gen Intel® Xeon® Scalable processors (MCC)

I/O Shield Qty

Part Number MCP-260-00042-1N

STD I/O Shield for X13SEI-TF/-F with EMI Gasket

Description SATA cable Part Number

CBL-0044L • eStore

(https://store.supermicro.com/supermicrosata-flat-straight-straight-57-5cm-

cable-cbl-0044l.html)

57.5 cm SATA FLAT S-S PBF Description

Standard Parts (Retail Package)

CPU carrier Part Number

SKT-1333L-0000-FXC Qty

CPU carrier for 4th Gen Intel® Xeon® Scalable processors (XCC) Description

CPU carrier for 4th Gen Intel® Xeon® Scalable processors (MCC)

SKT-1424L-001B-FXC

I/O Shield Part Number

MCP-260-00042-1N

Description

STD I/O Shield for X13SEI-TF/-F with EMI Gasket

QRG Part Number

MNL-2450-QRG

Qty Description Quick Reference Guide

SATA cable

Part Number

CBL-0044L • eStore

(https://store.supermicro.com/supermicrosata-flat-straight-straight-57-5cm-

cable-cbl-0044l.html)

57.5 cm SATA FLAT S-S PBF Description

Optional Parts

TPM security module Part Number

AOM-TPM-9670V

Description

SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor

Global SKU (/de/products/SMC_global_skus)