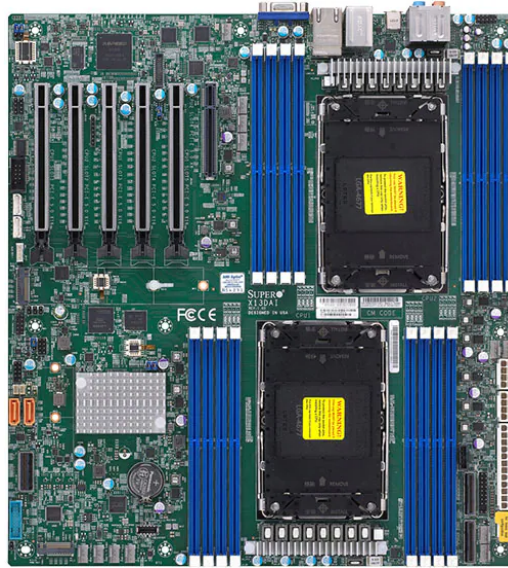


X13DAI-T



Workstation

Key Features

- 4th Gen Intel® Xeon® Scalable processors, Dual Socket LGA-4677 (Socket E) , CPU TDP supports up to 350W TDP
- Support CXL
- Intel® C741 Chipset
- Up to 4TB 3DS ECC RDIMM, DDR5-4800MT/s(1DPC) in 16 DIMM slots
- Broadcom BCM57416 Dual ports 10G LAN
- 2 SATA DOM ports
- 2 M.2
- 4 NVMe ports PCIe 5.0 x4 via 2 MCIO connectors
- 5 PCIe 5.0 x16
- 1 PCIe 5.0 x8
- 8 SATA 3.0 ports(C741, RAID 0, 1, 5, 10)
- 1 USB 3.2 Gen 2, 8 USB3.2 Gen 1
- HD Audio 7.1 channel

Specifications

Product SKUs**MBD-X13DAI-T****Physical Stats****Form Factor**

EATX

Dimension

12.1" x 13.1" (30.734cm x 33.274cm)

Processor**CPU****4th Gen Intel® Xeon® Scalable processors**

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

Core

Up to 60 cores

System Memory**Memory Capacity**

16 DIMM slots

Up to 4TB 3DS ECC RDIMM, DDR5-4800MHz

Memory Type

4800/4400/4000MHz ECC DDR5 RDIMM (3DS) 256GB 4800MT/s

DIMM Sizes

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

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

Memory Voltage

1.1V

Error Detection

Detects double-bit errors (using ECC memory)

On-Board Devices**Chipset**

Intel® C741

SATA

8 SATA3 ports; RAID 0, 1, 5, 10

2 SATA3 ports; RAID 0,1

Audio

1x Realtek ALC888S 7.1 HD Audio port(s)Realtek ALC888S 7.1 HD Audio

Network Controllers

Dual LAN with Broadcom BCM57416 10GBase-T

Input / Output**SATA**

8 SATA3 (6Gbps) port(s)

2 SATA3 (6Gbps) port(s)

USB

1 USB 3.2 Gen2 port(s) (1 via header)

2 USB 2.0 port(s) (2 via header)

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

Video Output

1 VGA D-Sub Connector port(s)

TPM

1 TPM Header

Others

2 M.2 PCIe 5.0 x8

Expansion Slots**PCIe**

1 PCIe 5.0 x8,

5 PCIe 5.0 x16

M.2

M.2 Interface: 2 PCIe 5.0 x4

Form Factor: 2280/22110

Key: M-Key

System BIOS**BIOS Type**

AMI 32MB AMI UEFI

BIOS Features

ACPI 6.4

SMBIOS 2.8/3.5

UEFI 2.8A

Plug and Play (PnP)

PCI FW 3.2

Management**Software**

SuperDoctor® 5, SPM, SUM, SSM, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support, Watchdog, SMCIPIMTool, Trusted Platform Module (TPM), CPU thermal trip support for processor protection, Wake-on-LAN

PC Health Monitoring**Voltage**

+5V standby, +5V, +3.3V, +12V, +3.3V standby

LED

UID/Remote UID

Power LED

BMC/IPMI Heartbeat LED

Temperature

CPU thermal trip support

peripheral temperature

System temperature

Memory temperature

CPU temperature

PCH temperature

Platform Environment Control Interface (PECI)/(TSI)

Vcore

FAN

13x 4-pin fan headers (up to 13 fans)

Fan speed control, Overheat LED indication, CPU thermal trip support, 13x fans with tachometer monitoring, Thermal Monitor 2 (TM2) support, PECI, Monitoring for CPU and chassis environment

Other Features

Node Manager Support

M.2 NGFF connector

Control of power-on for recovery from AC power loss

Chassis intrusion detection

ACPI power management

Operating Environment**Operating Temperature Range**

10°C - 35°C (50°F - 95°F)

Non-Operating Temperature Range

-40°C - 70°C (-40°F - 158°F)

Operating Relative Humidity Range

8% - 90% (non-condensing)

Non Operating Relative Humidity Range

5% - 95% (non-condensing)

Parts List

Standard Parts (Bulk Package)

CPU carrier

Part Number SKT-1424L-001B-LTS SKT-1333L-0000-FXC

Qty	2	2
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-260-00181-0B
Qty	1
Description	-

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-1424L-001B-LTS	SKT-1333L-0000-FXC
Qty	2	2
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-260-00181-0B
Qty	1
Description	-

QRG

Part Number	MNL-2569-QRG
Qty	1
Description	Motherboard 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 (optional, not included)**

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