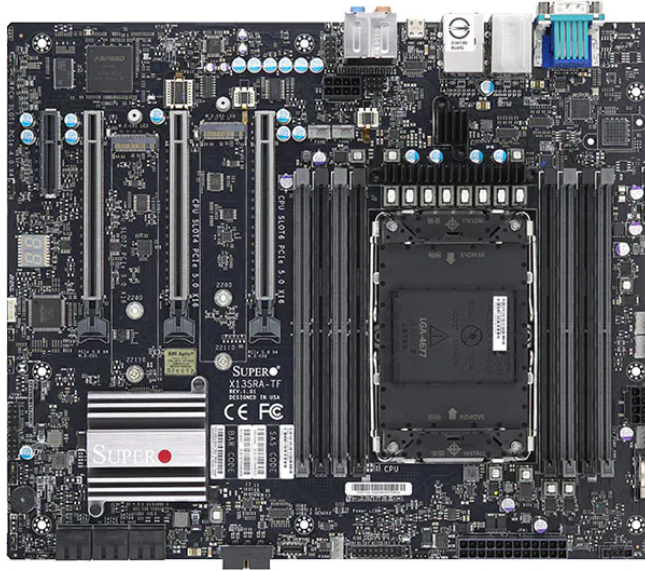


X13SRA-TF



Workstation

Key Features

Intel® Xeon® W-3400 series and Xeon® W-2400 series processors, TDP up to 350W

Intel® W790

Up to 2TB RDIMM 3DS, 512GB ECC RDIMM; DDR5-4800MT/s (1DPC)/4400MT/s (2DPC), in 8 DIMM slots

3 PCIe 5.0 x16 Slots, support up to 3 Single Width/2 Double Width/2 Triple Width GPU cards

1 PCIe 4.0 x4 Slots

M.2 Interface: 2 PCIe 5.0 x4

M.2 Form Factor: 2280/22110

M.2 Key: M-Socket (w/o heat sink)

1GbE LAN port with Intel® Ethernet Controller I210-AT

10GbE LAN with Marvell AQC113

6 SATA 3 (6Gb, RAID 0, 1, 5, 10)

IPMI Supported

Overclocking Supported (optional)

Specifications

Product SKUs

MBD-X13SRA-TF

Physical Stats

Form Factor

CEB

Dimension

12" x 10.5" (304.8cm x 266.7cm)

Processor

CPU

Intel® Xeon® W-3400 series and Xeon® W-2400 series processors
Single Socket LGA-4677 (Socket E) supported, CPU TDP supports
Up to 350W TDP

** Support CPU overclocking (optional, processors model name
with the X suffix)

Core

Up to 56 cores

System Memory

Memory Capacity

8 DIMM slots

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

Memory Type

4800/4400MHz ECC DDR5 RDIMM (3DS) 2TB

DIMM Sizes

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

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

Memory Voltage

1.1V

On-Board Devices

Chipset

Intel® W790

SATA

Intel® W790 controller for 6 SATA3 (6 Gbps) ports; RAID 0, 1, 5, 10

Audio

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

Network Controllers

Single LAN with Intel® Ethernet Controller I210-AT, 1x 1GbE LAN
Port with Intel i210AT, share with IPMI

Single LAN with Marvell AQC113, 1x 10GbE RJ45 LAN port with
AQC113

Input / Output

SATA

6 SATA 3 (6Gbps) port(s)

USB

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

2 USB 3.2 Gen1 port(s) (2 via header)

2 USB 3.2 Gen2x2 port(s) (1 rear type C; 1 via header)

4 USB 3.2 Gen2x1 port(s) (4 rear Type A)

Video Output

1 VGA port(s)

Serial Port

1 COM Port(s) (1 rear)

TPM

1 TPM Header

Expansion Slots

PCIe

1 PCIe 4.0 x4,

3 PCIe 5.0 x16

M.2

M.2 Interface: 2 PCIe 5.0 x4, RAID 0 & 1

Form Factor: 22110, 2280

Key: M-Key

System BIOS

BIOS Type

256MB SPI Flash with AMI BIOS

BIOS Features

ACPI 6.0

Plug and Play (PnP)

BIOS rescue hot keys

Riser card auto-detection support

SMBIOS 3.0 or later

Management

Software

SuperDoctor® 5, SPM, SUM, IPMICFG, SMCIPMITool, IPMIView

Power Configurations

Power-on mode for AC power recovery, ACPI Power Management,
Power button override mechanism

PC Health Monitoring

Voltage

System temperature, PCH temperature, Memory temperature, CPU
temperature, +5V standby, +5V, +3.3V, +12V, CPU thermal trip
support, +3.3V standby, Vmem, Peripheral temperature, GPU
temperature, NVMe temperature, Platform Environment Control
Interface (PECI)/(TSI), Vcore

FAN

5x 4-pin fan headers (up to 5 fans)

Fan speed control, 10 4-pin fan headers, CPU/System Overheat
LED, Fan failed LED, UID/remote UID, HDD activity LED, LAN activity
LED

Other Features

RoHS

Chassis intrusion detection

Power supply monitoring

Operating Environment

Operating Temperature Range

0°C - 50°C (32°F - 122°F)

Non-Operating Temperature Range

-20°C - 60°C (-4°F - 140°F)

Parts List

Standard Parts (Bulk Package)

CPU-GPU power connector adapter

Part Number CBL-PWEX-0663 •

eStore

Qty 1

Description -

E1A Carrier for Intel 112L XCC CPU

Part Number SKT-1333L-0001-LTS

Qty 1

Description E1A Carrier for Intel® Xeon® W-3400 series (112L) processors

E1B Carrier for Intel 64L MCC CPU

Part Number SKT-1424L-001B-LTS

Qty 1

Description E1B Carrier for Intel® Xeon® W-2400 series (64L) processors

I/O Shield

Part Number MCP-260-00183-0B

Qty 1

Description Standard I/O Shield for X13SRA-TF with EMI Gasket & Black Mylar

SATA CablesPart Number CBL-0044L • [eStore](#)

Qty 2

Description SATA Cables

Standard Parts (Retail Package)**CPU-GPU power connector adapter**

Part Number CBL-PWEX-0663 •

[eStore](#)

Qty 1

Description -

E1A Carrier for Intel 112L XCC CPU

Part Number SKT-1333L-0001-LTS

Qty 1

Description E1A Carrier for Intel® Xeon® W-3400 series (112L) processors

E1B Carrier for Intel 64L MCC CPU

Part Number SKT-1424L-001B-LTS

Qty 1

Description E1B Carrier for Intel® Xeon® W-2400 series (64L) processors

I/O Shield

Part Number MCP-260-00183-0B

Qty 1

Description Standard I/O Shield for X13SRA-TF with EMI Gasket & Black Mylar

Quick Reference Guide

Part Number MNL-2510-QRG

Qty 1

Description X13SRA-TF Quick Reference Guide

SATA CablesPart Number CBL-0044L • [eStore](#)

Qty 6

Description SATA Cables