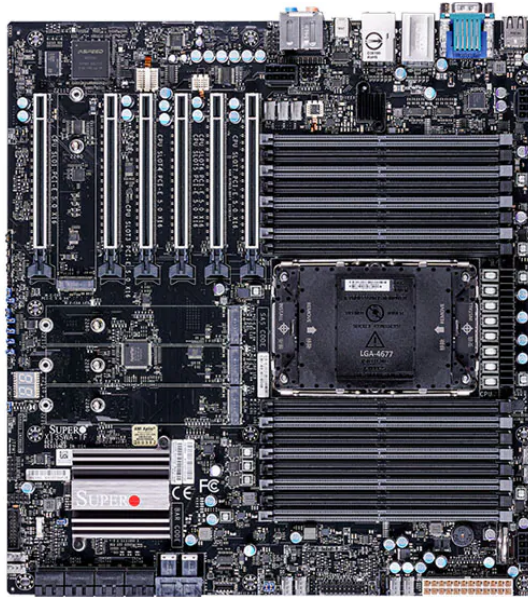


X13SWA-TF



Workstation

Key Features

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

Intel® W790

Up to 4TB/2TB 3DS ECC RDIMM, 1TB/512GB ECC RDIMM; DDR5-4800MT/s(1DPC)/ 4400MT/s(2DPC), in 16 DIMM slots

M.2 Interface: 4 PCIe 5.0 x4

M.2 Form Factor: 2280/22110

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

Xeon® W-3400 Series Processors: 6 PCIe 5.0 x16 Slots, support up to 6 Single Width/4 Double Width/2 Triple Width GPU cards
 Xeon® W-2400 Series Processors: 3 PCIe 5.0 x16 Slots, support up to 3 Single Width/3 Double Width/2 Triple Width GPU cards (slot 3/5/7)

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

10GbE LAN with Marvell AQC113C

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

2 U.2 PCIe 3.0 for NVMe 2.5" SSD drives (U.2-1, U.2-2)

IPMI Supported

Overclocking Supported (optional)

Specifications

Product SKUs**MBD-X13SWA-TF****Physical Stats****Form Factor**

E-ATX

Dimension

13" x 12" (330.2cm x 304.8cm)

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**

16 DIMM slots

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

Memory Type

4800/4400MHz ECC DDR5 RDIMM (3DS) 4TB

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 8 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 Marvell AQC113C, 1x 10GbE RJ45 LAN port with
AQC113C

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

Input / Output**SATA**

8 SATA 3 (6Gbps) port(s)

USB

4 USB 2 port(s) (2 via header; 2 rear Type A)

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)

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

Video Output

1 VGA port(s) for IPMI only

Serial Port

1 COM Port(s) (1 rear)

TPM

1 TPM Header

Expansion Slots**PCIe**

6 PCIe 5.0 x16

M.2

M.2 Interface: 4 PCIe 5.0 x4, RAID 0, 1, 5, 10

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, SSM, IPMICFG, SMCIPMITool, IPMIView

Power Configurations

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

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

10x 4-pin fan headers (up to 10 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 •



Qty 1

Description -

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

Part Number SKT-1333L-0001-LTS

Qty 1

Description E1A Carrier for Intel®
Xeon® W-3400 series
(112L) processors**E1B Carrier for Intel® Xeon® W-2400 series (64L) processors**

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-260-00182-0B

Qty 1

Description Standard I/O Shield for
X13SWA-TF with EMI
Gasket & Black Mylar**SATA Cables**Part 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® Xeon® W-3400 series (112L) processors

Part Number SKT-1333L-0001-LTS

Qty 1

Description E1A Carrier for Intel®
Xeon® W-3400 series
(112L) processors**E1B Carrier for Intel® Xeon® W-2400 series (64L) processors**

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-260-00182-0B

Qty 1

Description Standard I/O Shield for
X13SWA-TF with EMI
Gasket & Black Mylar**Quick Reference Guide**

Part Number MNL-2444-QRG

Qty 1

Description X13SWA-TF Quick
Reference Guide**SATA Cables**Part Number CBL-0044L • [eStore](#)

Qty 6

Description SATA Cables