X13SWA-TF

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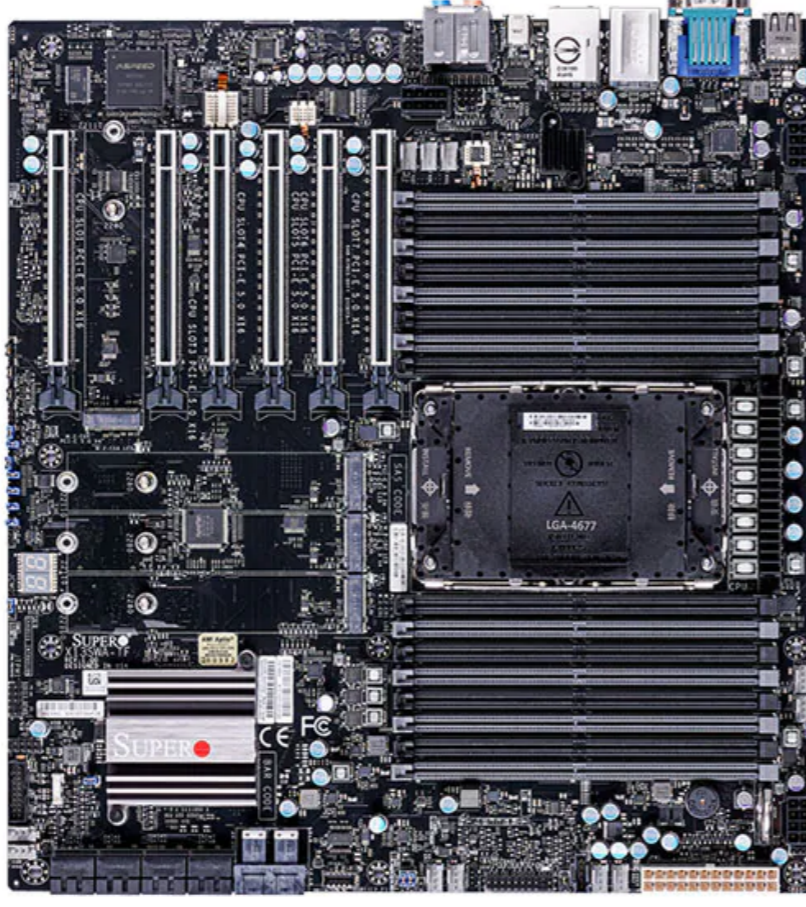
Workstation

Key Features

1. Intel® Xeon® W-3400 series, W-2400 series, W-3500 series, W-2500 series processors, Up to 60 CPU cores and a thermal design power (TDP) of up to 385W.
2. Intel® W790
3. Up to 4TB(W-3400/ W-3500)/2TB(W-2400/ W-2500) 3DS ECC RDIMM, 1TB(W-3400)/512GB(W-2400) ECC RDIMM; DDR5-4800MT/s(1DPC)/ 4400MT/s(2DPC), in 16 DIMM slots
4. **M.2 Interface:** 4 PCIe 5.0 x4
   M.2 Form Factor: 2280/22110
   M.2 Key: M-Socket (w/o heat sink)
5. 2 U.2 PCIe 3.0 for NVMe 2.5" SSD drives (U.2-1, U.2-2)
6. Xeon® W-3400/ W-3500 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/ W-2500 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)
7. 1GbE LAN port with Intel® Ethernet Controller I210-AT 10GbE LAN with Marvell AQC113C
8. 8 SATA 3 (6Gb, RAID 0, 1, 5, 10)
9. IPMI Supported
10. Overclocking Supported (optional)

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Optimized Servers

SYS-551A-T

Specifications   Resources   Parts List

Product SKUs

MBD-X13SWA-TF

Physical Stats

Form Factor	E-ATX
Dimension	13" x 12" (33.02cm x 30.48cm)

Processor

CPU	Intel®Xeon® W-3400, W-2400, W-3500 and W-2500 Series Processors Single Socket E (LGA-4677) supported, CPU TDP supports Up to 385W TDP ** Support CPU overclocking (optional, processors model name with the X suffix)
Core	Up to 60 cores

System Memory

Memory Capacity	16 DIMM slots Up to 4TB 3DS ECC Registered RDIMM, DDR5-4800MT/s
Memory Type	4800/4400 MT/s ECC DDR5 RDIMM (3DS) 1.Up to 4TB 3DS ECC RDIMM, 1TB ECC RDIMM; DDR5-4800MT/s(1DPC)/ 4400MT/s(2DPC), with Intel Xeon W-3400/ W-3500 series processor in 16 DIMM slots. 2.Up to 2TB 3DS ECC RDIMM, 512GB ECC RDIMM; DDR5-4800MT/s(1DPC)/ 4400MT/s(2DPC), with Intel Xeon W-2
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	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	32MB 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	SuperCloud Composer, Supermicro Server Manager (SSM), Supermicro Power Manager (SPM), Supermicro Update Manager (SUM), Supermicro SuperDoctor® 5 (SD5), Super Diagnostics Offline (SDO), Supermicro Thin-Agent Service (TAS), SuperServer Automation Assistant (SAA) New!, Plug-ins for 3rd Party Software, IPMI Utilities
Power Configurations	Power-on mode for AC power recovery, ACPI Power Management, Power button override mechanism, Power supply monitoring

PC Health Monitoring

FAN	10x 4-pin fan headers (up to 10 fans)

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)

Certain products may not be available in your region

Global SKU 🌐 English