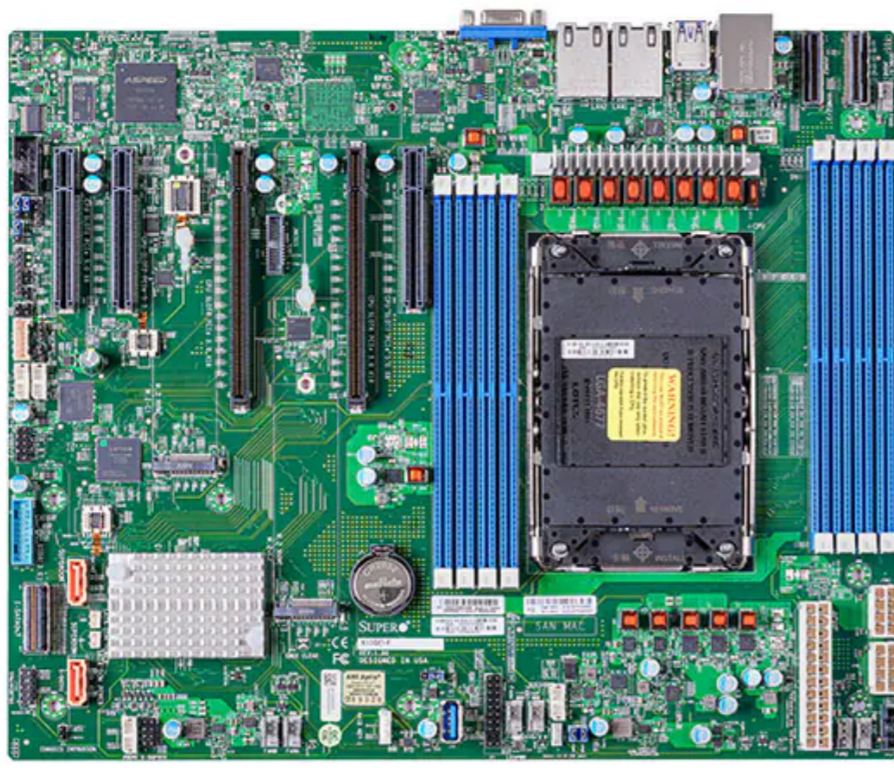


X13SEI-F



Key Features

1. 5th/4th Gen Intel® Xeon® Scalable processors, Single Socket LGA-4677 (Socket E), CPU TDP supports up to 350W TDP
2. Intel C741® Chipset
3. Up to 2TB 3DS ECC RDIMM, DDR5-5600MT/s (1DPC) in 8 DIMM slots
4. 2 M.2 (PCIe5.0 x8) connectors for 4 NVMe SSDs
5. 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
6. Dual LAN with 1GbE with Intel® I210
7. 4 USB 3.2 Gen1 (2 rear, 1 Type-A, 1 via header), 2 USB 2.0 (2 rear)
8. Intel® C741 controller for 10 SATA3 (6 Gbps) ports

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Contact Us

Specifications

Resources

Parts List

Product SKUs

MBD-X13SEI-F

Physical Stats

Form Factor	EATX
Dimension	12.3" x 10.1" (31.24cm x 25.65cm)

Processor

CPU	5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors Single Socket E (LGA-4677) supported, CPU TDP supports Up to 350W TDP *BIOS 2.1 or above is required to support 5th Gen Intel® Xeon® Scalable processors
Core	Up to 64 cores

System Memory

Memory Capacity	8 DIMM slots Up to 2TB 3DS ECC RDIMM, DDR5-5600MT/s **24GB & 48GB DIMM only support 1 DPC. *24GB/48GB/96GB DDR5 DIMMs with 24Gb chip are only supported by 5th and 4th XCC Gen Intel® Xeon-SP CPU.
Memory Type	5600/5200/4800/4400/4000 MT/s ECC DDR5 RDIMM (3DS) Up to 256GB of memory with speeds of up to 5600MT/s(1DPC)
DIMM Sizes	16GB, 24GB, 32GB, 48GB, 64GB, 96GB, 128GB, 256GB
Memory Voltage	1.1V
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)
LAN	2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port
USB	2 USB 2.0 port(s) (2 rear) 4 USB 3.2 Gen1 port(s) (2 rear; 1 via header; 1 type A)
Video Output	1 VGA D-Sub Connector port(s)
Serial Port	1 COM Port(s) (1 header)
DOM	2 SATA DOM (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 M.2 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 UEFI 2.8 or above

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
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PC Health Monitoring

Voltage	VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, +5V standby, +5V, +3.3V, +12V, Memory Voltages, 7-fan status
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

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)
Operating Relative Humidity Range	10% - 85% (non-condensing)
Non Operating Relative Humidity Range	10% - 95% (non-condensing)

Certain products may not be available in your region

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