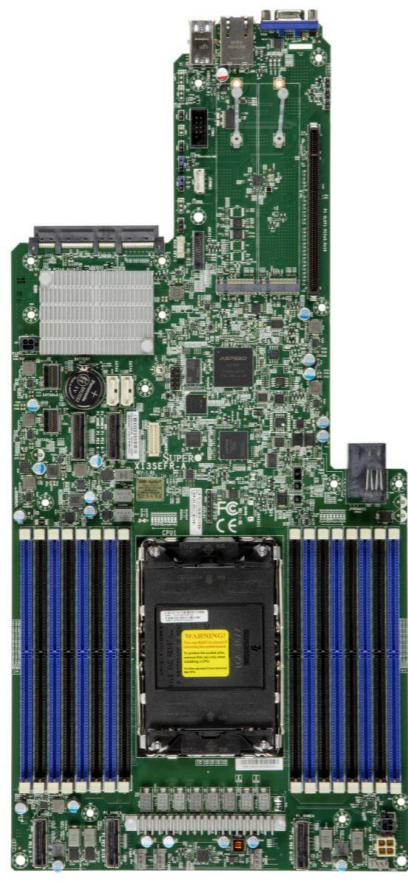


# X13SEFR-A (For SuperServer Only)

Print



### Key Features

1. 5th/4th Gen Intel® Xeon® Scalable processors, Single Socket LGA-4677 (Socket E) supported, CPU TDP supports Up to 350W TDP
2. Intel C741® Chipset
3. Up to 4TB 3DS ECC RDIMM, DDR5-5600MT/s (1DPC) or DDR5-4400MT/s (2DPC) in 16 DIMM slots
4. 1 PCIe 5.0 x16
5. 1 PCIe 5.0 x16 AIOM slot
6. 5 PCIe 5.0 x8 via MCIO connectors
7. AIOM for LAN
8. I/O: 1 VGA, 1 COM, TPM header
9. **M.2 Interface:** 2 PCIe 3.0x2&SATA **M.2 Form Factor:** 2280,22110 **M.2 Key:** M-Key

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### Optimized Servers

[SYS-F521E3-RTB](#) [SYS-F511E2-RT](#)

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## Specifications Resources Parts List

### Product SKUs

**MBD-X13SEFR-A**

### Physical Stats

<b>Form Factor</b>	Proprietary FatTwin
<b>Dimension</b>	8.44" x 18" (21.44cm x 45.72cm)

### Processor

<b>CPU</b>	<a href="#">5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors</a> Single Socket 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
<b>Core</b>	Up to 64 cores

### System Memory

<b>Memory Capacity</b>	16 DIMM slots Up to 4TB 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.
<b>Memory Type</b>	5600/5200/4800/4400/4000 MT/s ECC DDR5 RDIMM (3DS) Up to 256GB of memory with speeds of up to 4400MT/s (2DPC)
<b>DIMM Sizes</b>	16GB, 24GB, 32GB, 48GB, 64GB, 96GB, 128GB, 256GB
<b>Memory Voltage</b>	1.1V
<b>Error Detection</b>	Corrects single-bit errors

### On-Board Devices

<b>Chipset</b>	Intel® C741
<b>SATA</b>	Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
<b>IPMI</b>	ASPEED AST2600 BMC
<b>Network Controllers</b>	AIOM for LAN

### Input / Output

<b>SATA</b>	10 SATA3 (6Gbps) port(s)
<b>LAN</b>	1 RJ45 Dedicated IPMI LAN port AIOM
<b>USB</b>	2 USB 3.2 Gen1 port(s) (2 rear)
<b>Video Output</b>	VGA D-Sub Connector port(s)
<b>Serial Port</b>	1 COM Port(s) (1 header)
<b>TPM</b>	1 TPM Header

### Expansion Slots

<b>PCIe</b>	1 PCIe 5.0 x16 Right Riser Slot, 1 PCIe 5.0 x16 AIOM
<b>M.2</b>	M.2 Interface: 2 SATA/PCIe 3.0 x2 Form Factor: 2280/22110 Key: M-Key

### System BIOS

<b>BIOS Type</b>	AMI UEFI
<b>BIOS Features</b>	ACPI 6.4 SMBIOS 3.5 UEFI 2.8 or above

### Management

<b>Software</b>	<a href="#">SuperCloud Composer</a> , <a href="#">Supermicro Server Manager (SSM)</a> , <a href="#">Supermicro Power Manager (SPM)</a> , <a href="#">Supermicro Update Manager (SUM)</a> , <a href="#">Supermicro SuperDoctor® 5 (SD5)</a> , <a href="#">Super Diagnostics Offline (SDO)</a> , <a href="#">Supermicro Thin-Agent Service (TAS)</a> , <a href="#">SuperServer Automation Assistant (SAA) New!</a> , <a href="#">Plug-ins for 3rd Party Software</a> , <a href="#">IPMI Utilities</a>
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### Security

<b>Hardware</b>	Trusted Platform Module (TPM) 2.0
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### PC Health Monitoring

<b>Voltage</b>	VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, 4 -fan status, +5V standby, +5V, +3.3V, +12V
<b>LED</b>	UID/Remote UID CPU / System Overheat LED
<b>Temperature</b>	Monitoring for CPU and chassis environment CPU thermal trip support Thermal Monitor 2 (TM2) support PECI
<b>FAN</b>	4x 4-pin fan headers (up to 4 fans) Fan speed control 4 fans with tachometer monitoring Overheat LED indication
<b>Other Features</b>	WOL, UID, Node Manager Support, M.2 NGFF connector, Control of power-on for recovery from AC power loss, ACPI power management

Certain products may not be available in your region

Global SKU English

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