X13DSF-A (For SuperServer Only)

🖶 Print
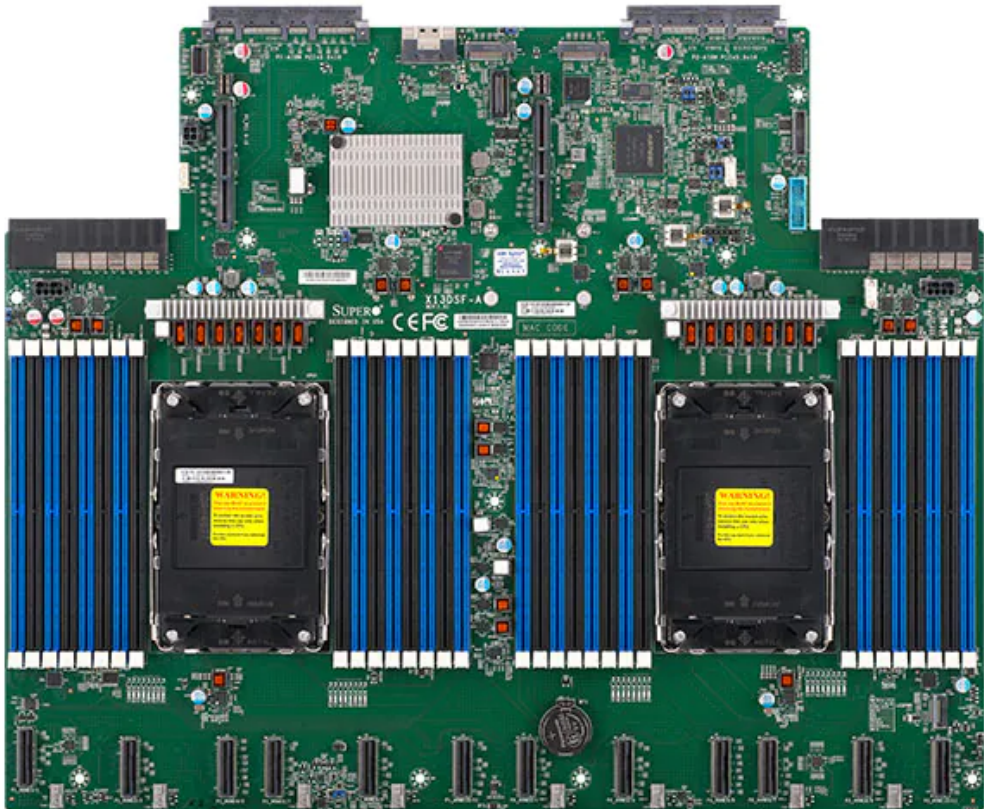
1U/2U E1.S/E3.S All Flash Storage Server

Key Features

1. Support CXL
2. 5th/4th Gen Intel® Xeon® Scalable processors, Dual Socket LGA-4677 (Socket E) supported, CPU TDP supports Up to 350W TDP
3. Intel C741® Chipset
4. Up to 8TB 3DS ECC RDIMM, DDR5-5600MT/s in 32 DIMM slots
5. 2 GenZ x16 slot PCIe 5.0
6. 2 AIOM connectors PCIe 5.0 x16
7. 2 M.2
8. 24 NVMe ports PCIe 5.0 x4 via 12 MCIO connectors
9. 2 USB 3.0
10. 4 SATA via SlimSAS

...

Optimized Servers

SSG-121E-NES24R   SSG-121E-NE316R   SSG-221E-NE324R

SSG-121E-NE3X12R

Contact Us

Specifications   Resources   Parts List

Product SKUs

MBD-X13DSF-A

Physical Stats

Form Factor	Proprietary
Dimension	17" x 13.64" (43.18cm x 34.65cm)

Processor

CPU	5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors Dual Socket V0 (LGA-4677) supported, CPU TDP supports Up to 350W TDP SP XCC, and SP MCC SKUs are supported
Core	Up to 64 cores

System Memory

Memory Capacity	32 DIMM slots Up to 8TB 3DS ECC RDIMM, DDR5-5600MT/s
Memory Type	5600/5200/4800/4400/4000 MT/s ECC DDR5 RDIMM (3DS) Up to 256GB of memory with speeds of up to 4400MT/s (2DPC)
DIMM Sizes	16GB, 32GB, 64GB, 96(XCC Only)GB, 128GB, 256GB RDIMM: Up to 256GB
Memory Voltage	1.1V
Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	Intel® C741
SATA	Intel® C741 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI	ASPEED AST2600 BMC
Network Controllers	N/A

Input / Output

SATA	4 SATA3 (6Gbps) port(s)
USB	2 USB 3 port(s) (2 via header)
TPM	1 TPM Header
Others	12 MCIO PCIe 5.0 x8 Rear I/O Module Connector for AOM-DSF-IO

Expansion Slots

PCIe	2 PCIe 5.0 x16 AIOM, 2 PCIe 5.0 x16 Right Riser Slot
M.2	M.2 Interface: 2 SATA/PCIe 3.0 x4 Form Factor: 2280/22110 Key: M-Key

System BIOS

BIOS Type	AMI 32MB AMI UEFI
BIOS Features	ACPI 6.4 SMBIOS 2.8/3.5 UEFI 2.8A Plug and Play (PnP) PCI FW 3.2

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

PC Health Monitoring

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	8x 4-pin fan headers (up to 8 fans) Fan speed control Overheat LED indication 8x fans with tachometer monitoring
Other Features	UID, Node Manager Support, M.2 NGFF connector, Control of power-on for recovery from AC power loss, Chassis intrusion detection, ACPI power management, System temperature, CPU thermal trip support, +3.3V, +5V, +5V standby, +12V, +3.3V standby, Veore, Vmem, CPU temperature, PCH temperature, Memory temperature, Peripheral temperature, Platform Environment Control Interface (PECI)/(TSI)

Operating Environment

Operating Temperature Range	10°C - 35°C (50°F - 95°F)
Non-Operating Temperature Range	-40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range	8% - 90% (non-condensing)
Non Operating Relative Humidity Range	5% - 95% (non-condensing)

Certain products may not be available in your region

Global SKU 🌐   English

About Us
Company Profile
Green Computing
Investor Relations
Careers
Site Map
Glossary

News
Press Releases
Supermicro in the News
Product Reviews
Events
Webinars

Resources
Product Briefs
Solution Briefs
Success Stories
Videos
White Papers
Thought Leadership
MySupermicro
Data Center Stories

Connect & Follow
Locations
Contact Us
Newsletter Sign-up