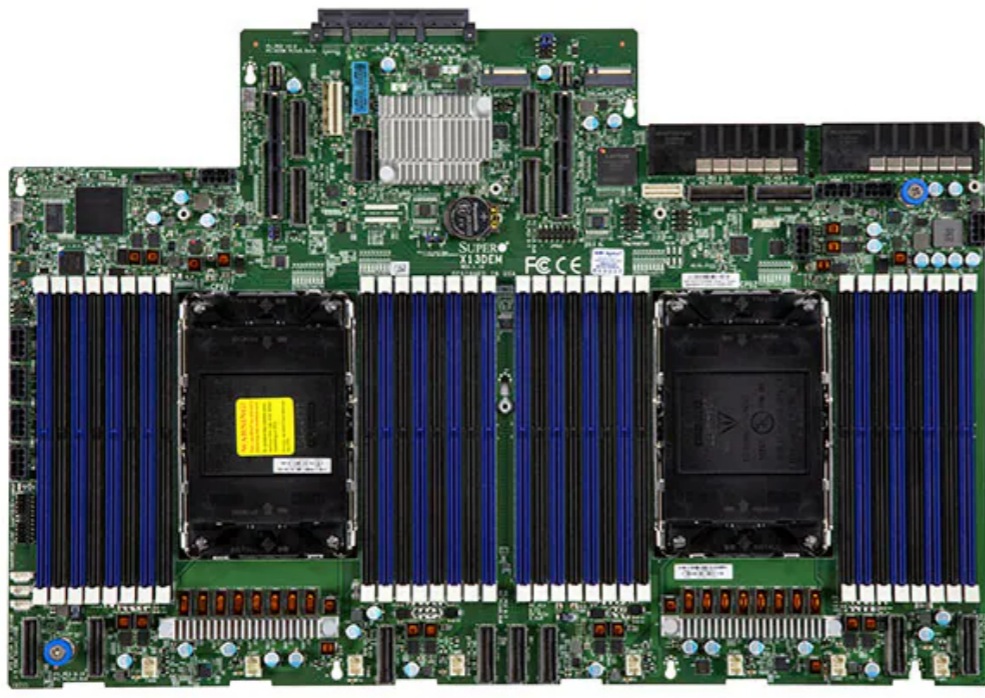


X13DEM (For SuperServer Only)

Print



X13 Hyper

Key Features

1. Support HBM and CXL
2. 5th/4th Gen Intel® Xeon® Scalable processors and Intel® Xeon® Max series 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. 4 PCIe 5.0 x16
6. 2 AIOM OCP 3.0 superset
7. 8 NVMe ports PCIe 5.0 x8 via 8 MCIO connectors
8. 2 M.2
9. 1 VGA
10. 2 USB 2.0 and 2 USB 3.0



Optimized Servers

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Specifications

Resources

Parts List

Product SKUs	
MBD-X13DEM	
Physical Stats	
Form Factor	Proprietary
Dimension	11.5" x 17" (29.21cm x 43.18cm)
Processor	
CPU	5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors and Intel® Xeon® Max Series processors Dual Socket V0 (LGA-4677) supported, CPU TDP supports Up to 350W TDP SP XCC, SP MCC, and MAX Series (HBM) 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 5600MT/s(1DPC) or 4400 MT/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 8 SATA3 ports
Network Controllers	N/A
Input / Output	
SATA	8 SATA3 (6Gbps) port(s)
USB	1 USB 3.2 Gen1x1 port(s) (1 via header)
Video Output	1 VGA port(s)
TPM	1 TPM Header
Others	8 MCIO PCIe 5.0 x8

Expansion Slots	
PCIe	4 PCIe 5.0 x16 (in x16 slot), 2 PCIe 5.0 x16 AIOM Slot, AIOM slots Superset of OCP 3.0 Expansion
M.2	M.2 Interface: 2 PCIe 3.0 x2 Form Factor: 2280, 22110 Key: M-Key
System BIOS	
BIOS Type	AMI 64MB 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	
Voltage	VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, 5 -fan status, +5V standby, +5V, +3.3V, +12V, Memory Voltages
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 6-pin fan headers (up to 8 fans) Fan speed control 5 fans with tachometer status monitoring Overheat LED indication
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
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

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