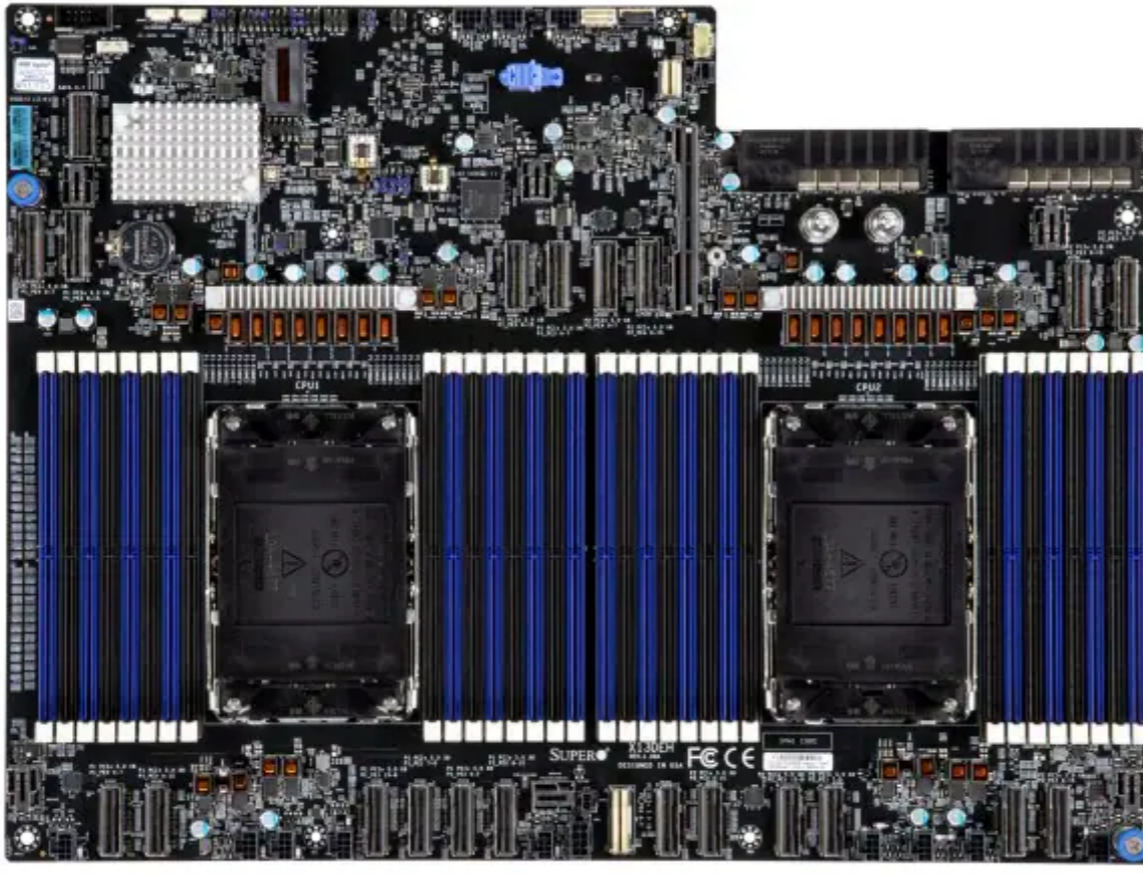


# X13DEH (For SuperServer Only)



### Key Features

1. Support HBM and CXL
2. 5th/4th Gen Intel® Xeon® Scalable processors and Intel® Xeon® Max series processors, Dual Sockets 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. 20 PCIe 5.0 MCIO x8
6. Modular BMC AST2600
7. 2 M.2
8. 1 Sideband to I/O module via SlimSAS x8
9. 1 SATA3 port via SlimSAS-LP x8
10. 1 USB 2.0 header

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### Optimized Servers

[SYS-221GE-NR](#)

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## Specifications

## Resources

## Parts List

Product SKUs	
<b>MBD-X13DEH</b>	
Physical Stats	
<b>Form Factor</b>	Proprietary
<b>Dimension</b>	12" x 16.5" (30.48cm x 41.91cm)
Processor	
<b>CPU</b>	<a href="#">5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors</a> and Intel® Xeon® Max Series processors Dual Socket E (LGA-4677) supported, CPU TDP supports Up to 350W TDP
<b>Core</b>	Up to 64 cores
System Memory	
<b>Memory Capacity</b>	32 DIMM slots Up to 8TB ECC RDIMM, DDR5-5600MT/s
<b>Memory Type</b>	5600/5200/4800/4400/4000 MT/s ECC DDR5 RDIMM Up to 256GB of memory with speeds of up to 5600MT/s(1DPC) or 4400 MT/s (2DPC)
<b>DIMM Sizes</b>	16GB, 32GB, 64GB, 96(XCC Only)GB, 128GB, 256GB RDIMM: Up to 256GB
<b>Memory Voltage</b>	1.1V
On-Board Devices	
<b>Chipset</b>	Intel® C741
<b>SATA</b>	Intel® C741 controller for 1 PCIe 5.0 x8 ports
<b>Network Controllers</b>	N/A
Input / Output	
<b>SATA</b>	1 SATA3 port(s)
<b>USB</b>	1 USB 2 port(s) (1 via header)
<b>TPM</b>	1 TPM Header

Expansion Slots	
<b>PCIe</b>	20 PCIe 5.0 x8 PCIe5.0 MCIO connector, 1 PCIe 5.0 x8 SlimSAS, For IO board for USB/DP/LAN
<b>M.2</b>	M.2 Interface: 2 PCIe 3.0 x2 Form Factor: 2280, 22110 Key: M-Key
System BIOS	
<b>BIOS Type</b>	AMI 32MB AMI UEFI
<b>BIOS Features</b>	ACPI 6.4 SMBIOS 2.8/3.5 UEFI 2.8A Plug and Play (PnP) PCI FW 3.2
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>
PC Health Monitoring	
<b>Voltage</b>	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
<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>	12x 8-pin fan headers (up to 12 fans) Fan speed control 5 fans with tachometer status monitoring Overheat LED indication
<b>Other Features</b>	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	
<b>Operating Temperature Range</b>	10°C - 35°C (50°F - 95°F)
<b>Non-Operating Temperature Range</b>	-40°C - 70°C (-40°F - 158°F)
<b>Operating Relative Humidity Range</b>	8% - 90% (non-condensing)
<b>Non Operating Relative Humidity Range</b>	5% - 95% (non-condensing)

Certain products may not be available in your region

Global SKU English

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