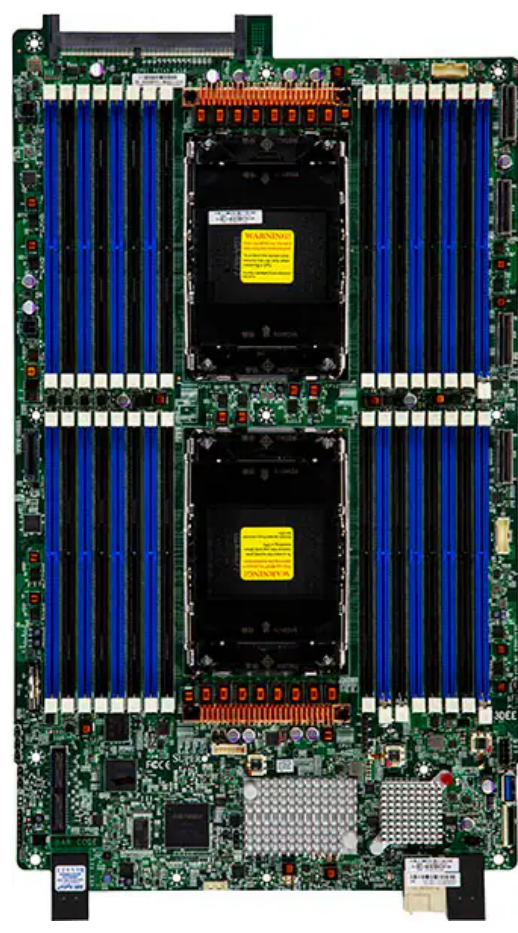


B13DEE (For SuperServer Only)

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6U SuperBlade

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. 3 SATA3/NVMe HDDs/SSDs or 3 SAS3 HDDs
6. 4 PCIe 5.0 X8 via MCIO connectors
7. Dual LAN with 25GbE Intel® Ethernet Controller E810-XXVAM2

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Optimized Servers

- [SBI-621E-5T3N](#)
[SBI-621E-1C3N](#)
[SBI-621E-1T3N](#)
[SBI-621E-1NE34](#)
[SBI-621E-1NE38](#)

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Specifications

Resources

Parts List

Product SKUs	
MBD-B13DEE	
Physical Stats	
Form Factor	Proprietary
Dimension	10" x 16.5" (25.4cm x 41.91cm)
Processor	
CPU	5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors and Intel® Xeon® Max Series processors Dual Socket E (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 3 SATA3 ports; RAID 0,1
IPMI	ASPEED AST2600 BMC
Graphics	Aspeed AST2600 BMC port(s)
Network Controllers	Dual LAN with Intel® Ethernet Controller E810-XXVAM2
Input / Output	
USB	1 USB 3 port(s) (1 type A)
TPM	1 TPM Header
Others	4 MCIO PCIe 5.0 x8

Expansion Slots	
PCIe	1 PCIe 5.0 x16 Mezzanine card connector, 1 PCIe 5.0 X16 SIOM slot, For AOM-BPNIO-SNE/AOM-BPNIO-SCE to support 3x SATA3/NVMe or 3x SAS3 HDDs/SSDs, 1 PCIe 5.0 E1.S connector, For M.2 adapter to support one PCIe 5.0 X4 M.2 device
M.2	M.2 Interface: 1 PCIe 5.0 x4 Form Factor: 2280 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	
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	CPU thermal trip support Thermal Monitor 2 (TM2) support PECI
FAN	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, Temperature of CPU, PCH, System, DIMM, Peripheral
Operating Environment	
Operating Temperature Range	10°C - 35°C (50°F - 95°F)
Non-Operating Temperature Range	-40°C - 60°C (-40°F - 140°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](#)

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