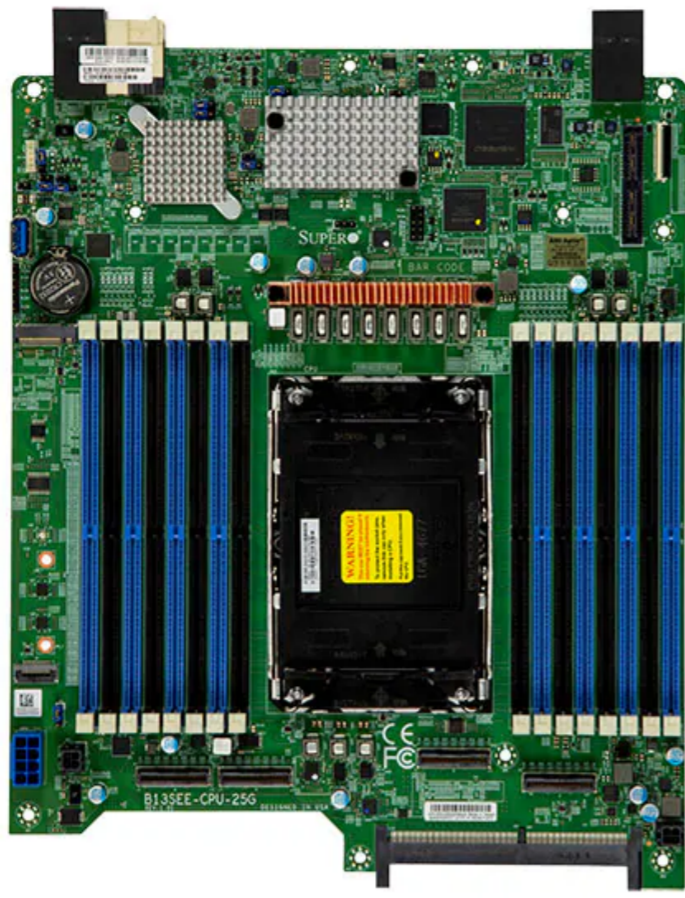


# B13SEE-CPU-25G (For SuperServer Only)



6U SuperBlade

## 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 ECC R/LR/3DSLR, DDR5-5600MT/s (1DPC) or DDR5-4400MT/s (2DPC) in 16 DIMM slots Supports Intel® Optane™ Persistent Memory (PMem) 300 series
4. 4x PCIe 5.0 x8 MCIO connectors for GPU Riser/E1S/NVMe/AIOM add on module
5. Onboard Intel® Columbiaville Ethernet Controller E810-XXVAM2
6. **M.2 Interface:** 1x PCIe 3.0  
**M.2 Form Factor:** 2280, 22110  
**M.2 Key:** M-Key

## Optimized Servers

[SBI-611E-1T2N](#) [SBI-611E-5T2N](#) [SBI-611E-1C2N](#)

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## Specifications

## Resources

## Parts List

### Product SKUs

**MBD-B13SEE-CPU-25G**

### Physical Stats

**Form Factor** Proprietary

**Dimension** 9.358" x 11.408" (23.77cm x 28.98cm)

### Processor

**CPU** [5th Gen Intel® Xeon®](#) / [4th Gen Intel® Xeon® Scalable processors](#)  
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

**Core** Up to 56 cores

### System Memory

**Memory Capacity** 16 DIMM slots  
Up to 4TB 3DS ECC Registered R/LR/3DSLR, DDR5-5600MT/s

**Memory Type** 5600/5200/4800/4400/4000 MT/s ECC DDR5 R/LR/3DSLR (3DS)  
Up to 256GB of memory with speeds of up to 5600MT/s(1DPC)

**DIMM Sizes** 16GB, 32GB, 64GB, 128GB, 256GB  
R/LR/3DSLR: 16GB, 32GB, 64GB, 128GB, 256GB

**Memory Voltage** 1.1V

**Error Detection** Corrects single-bit errors  
Detects double-bit errors (using ECC memory)

### On-Board Devices

**Chipset** Intel® C741

**IPMI** ASPEED AST2600 BMC

**Network Controllers** Dual LAN with Intel® Ethernet Controller E810-XXVAM2, Two (2) 25GbE Ethernet ports from KR interface to BP

### Input / Output

**TPM** 1 TPM Header

### Expansion Slots

**PCIe** 1 PCIe 5.0 X16 SIOM slot, For AOM-BPNIO-SCE2 to support (2) Hot-plug U.2 NVMe/SAS/SATA; HW RAID with 3108, 1 PCIe 5.0 x16 Mezzanine card connector, For 6U 25G Dual port Mezzanine Card, 1 PCIe 5.0 X16 SIOM slot, For AOM-BPNIO-SNE3 to support (2) x4 PCIe 4.0 M.2 (2280 or 22110) SATA3 or NVMe

**M.2** M.2 Interface: 1 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](#)

### Security

**Hardware** Trusted Platform Module (TPM) 2.0

### PC Health Monitoring

**Other Features** Temperature of CPU, PCH, System, DIMM, Peripheral, Temperature of GPU, NVMe, SAS HDD, PECI/TSI, +3.3V, +5V, +5V standby, 3.3V standby

### 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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