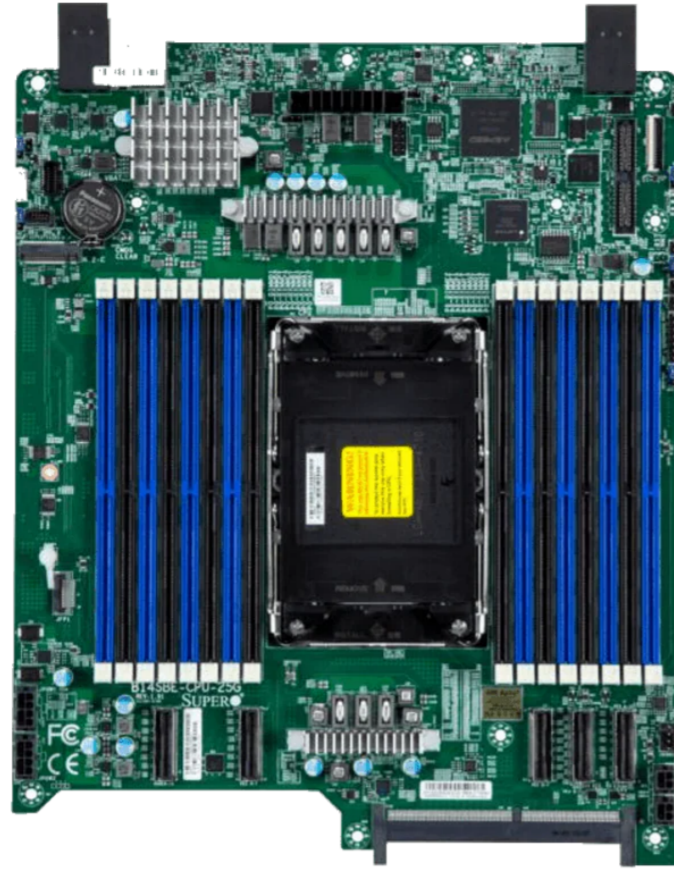


B14SBE-CPU-25G (For SuperServer Only) **New**

Print


Key Features

1. Intel® Xeon® 6700-series processors with E-cores, Single Socket LGA-4710 (Socket E2) supported, CPU TDP supports Up to 350W TDP
2. Up to 1TB ECC R/LR/3DSLR, DDR5-6400MT/s (1DPC) or DDR5-5200MT/s (2DPC) in 16 DIMM slots
3. 5x PCIe 5.0 x8 MCIO connectors for GPU Riser/NVMe/AIOM add on module
4. Onboard Intel® Columbiaville Ethernet Controller E810-XXVAM2
5. **M.2 Interface:** 1x PCIe 5.0 x4
M.2 Form Factor: 2280, 22110
M.2 Key: M-Key

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Optimized Servers

[SBI-612B-1C2N](#) [SBI-612B-1NE34](#) [SBI-612B-5NE34](#)

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Specifications

Resources

Parts List

Product SKUs

MBD-B14SBE-CPU-25G

Physical Stats

Form Factor	Proprietary
Dimension	12.1" x 9.36" (30.74cm x 23.77cm)

Processor

CPU	Intel® Xeon® 6700-series processors with E-cores Single Socket E2 (LGA-4710) supported, CPU TDP supports Up to 350W TDP
Core	Up to 144 (E) cores

System Memory

Memory Capacity	16 DIMM slots Up to 1TB 3DS ECC Registered RDIMM, DDR5-6400MT/s
Memory Type	6400 MT/s ECC DDR5 RDIMM (3DS) Up to 128GB of memory with speeds of up to 6400 MT/s(1DPC) or 5200 MT/s (2DPC)
DIMM Sizes	32GB, 64GB, 96GB, 128GB RDIMM: 32GB, 64GB, 96GB, 128GB
Memory Voltage	1.1V
Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	System on Chip
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
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Expansion Slots

PCIe	1 PCIe 4.0 x16 Mezzanine card connector, For 6U 25G Dual port Mezzanine Card, 1 PCIe 4.0 x16 SIOM Slot, For AOM-BPNIO-SCE2 to support (2) Hot-plug U.2 NVMe/SAS/SATA; HW RAID with 3108, 5 PCIe 5.0 x8 MCIO connector, For GPU Riser/NVMe/AIOM add on module
M.2	M.2 Interface: 1 PCIe 5.0 x4 Form Factor: 2280/22110 Key: M-Key

System BIOS

BIOS Type	AMI 64MB AMI UEFI
BIOS Features	ACPI 6.5 SMBIOS 3.7 or later UEFI 2.9

Management

Software	Redfish API , Supermicro Server Manager (SSM) , Supermicro Update Manager (SUM) , Supermicro SuperDoctor® 5 (SD5) , Super Diagnostics Offline (SDO) , KVM with dedicated LAN , IPMI 2.0
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PC Health Monitoring

Voltage	VBAT, System level control, Supports system management utility, Monitors CPU voltages, +5V standby, +5V, +3.3V, +12V, GPUtemperature
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	Fan speed control
Other Features	UID Control of power-on for recovery from AC power loss ACPI power management

Certain products may not be available in your region

Global SKU **English**

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