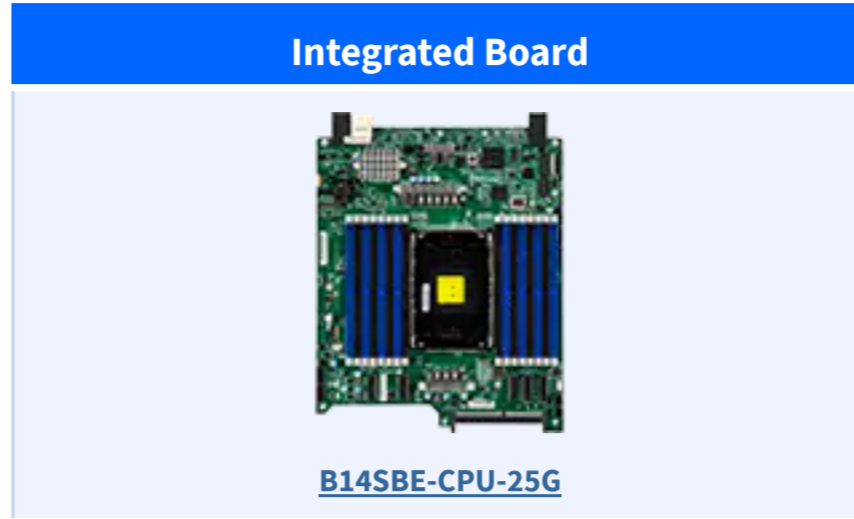


Blade SBI-612B-1NE34 (Complete System Only)



Views: [Angled View](#) | [Rear View](#) | [Front View](#) | [Angled Node View](#) | [Top Node View](#)



Integrated Board



B14SBE-CPU-25G

Key Applications

- Enterprise Applications
- High Performance Computing
- Engineering/scientific research
- Cloud, virtualization, financial, EDA

Key Features

1. 70 servers per 42U rack
2. Single Socket E2 (LGA-4710), Intel® Xeon® 6 processors
3. Supports 16x DDR5 ECC RDIMM/RDIMM 3DS (up to 6400MT/s 1DPC)
4. 4 Hot-swap E3.S SSD (PCIe Gen5)
5. Dual-port 25G Ethernet (LOM)
6. Expansion slot for Ethernet mezzanine card and for standard PCIe card

Note: Complete system should include at least 1 CPU, 1 DIMM, & 1 HDD/SSD.

[Drivers & Utilities](#) [BIOS / BMC](#) [Manuals](#) [Tested Memory](#)

[Tested HDD](#) [Tested AOC](#) [Tested NVMe](#) [Tested M.2 List](#) [OS Certification Matrix](#) [Compatible GPU List](#) [Quick-References Guide](#) [Download Driver CD](#)

NOTE: Please email to support@supermicro.com for more information about upgrading to latest BIOS/BMC

Contact Us

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

Specifications ^

Product SKUs	
SuperBlade Sled	SBI-612B-1NE34
Motherboard	MBD-B14SBE-CPU-25G
Processor (per Node)	
CPU	Single Socket E2 (LGA-4710) Intel® Xeon® 6 6700 series processors with E-cores
GPU (per Node)	
Max GPU Count	Up to 1 double-width or 2 single-width GPU(s)
System Memory (per Node)	
Memory Capacity	16 DIMM slots (2DPC) Up to 4TB 6400MT/s ECC DDR5 RDIMM
On-Board Devices (per Node)	
Chipset	System on Chip
NVMe	NVMe; RAID 0/1/5/10 support (Intel® VROC RAID key required)
Network Controllers	Onboard Dual 25G Ethernet 1 expansion slot w/ optional mezzanine cards
MGMT/Security	IPMI 2.0 / KVM over IP / Redfish API/TPM 2.0/Signed Firmware/HW Root of Trust
Graphics	Aspeed AST2600
System BIOS	
BIOS Type	AMI 256MB SPI Flash EEPROM

Dimensions	
Height	9.75"
Width	1.75"
Depth	23.5"
Weight	12.1 lbs (5.49 kg)
Available Colors	Metalic Silver with Black Drive Bays
Front Panel	
Buttons	Power On/Off button
LEDs	Power LED UID Network Activity LED Fault LED
Expansion Slots (per Node)	
PCIe	2 PCIe Gen5 x16 slot, support 1 FHFL DW PCIe card or 2 SW PCIe cards
Drive Bays / Storage (per Node)	
Hot-swap	4 Hot-swap E3.S drive bays
M.2	1 M.2 2280
Input / Output	
TPM	1 TPM Header
Operating Environment	
RoHS	RoHS Compliant
Environmental Spec.	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)

Parts List v

Certain products may not be available in your region

Global SKU [English](#) v

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