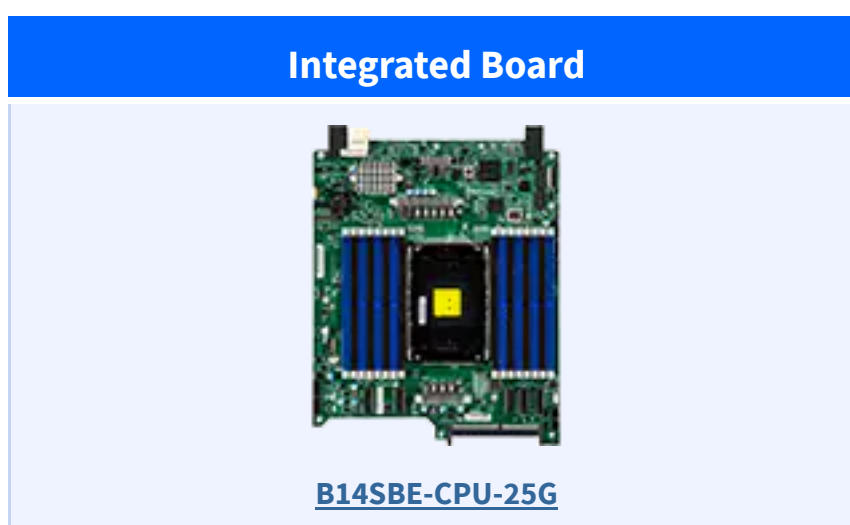


## Blade SBI-612B-5NE34 (Complete System Only)

Print



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



### Key Applications

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

### Key Features

1. 35 servers per 42U rack
2. Single Socket E2 (LGA-4710), Intel® Xeon® 6 processors, up to 350W TDP
3. Supports 16x DDR5 ECC RDIMM/RDIMM 3DS (up to 6400MT/s 1DPC)
4. Support up to 4 E3.S drives per blade
5. Dual-port 25G Ethernet (LOM), additional dual-port 25G Ethernet via mezzanine 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](mailto: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	
<b>SuperBlade Sled</b>	SBI-612B-5NE34
<b>Motherboard</b>	<a href="#">MBD-B14SBE-CPU-25G</a>
Processor (per Node)	
<b>CPU</b>	Single Socket E2 (LGA-4710) <a href="#">Intel® Xeon® 6 6700 series processors with E-cores</a>
<b>Note</b>	Supports up to 350W TDP CPUs (Air Cooled)
GPU (per Node)	
<b>Max GPU Count</b>	Up to 1 double-width or 2 single-width GPU(s)
System Memory (per Node)	
<b>Memory Capacity</b>	16 DIMM slots (2DPC) Up to 4TB 6400MT/s ECC DDR5 RDIMM
On-Board Devices (per Node)	
<b>Chipset</b>	System on Chip
<b>NVMe</b>	NVMe; RAID 0/1/5/10 support (Intel® VROC RAID key required)
<b>Network Controllers</b>	Dual 25G Ethernet 1 Mezzanine expansion slot for 2-port 25G Ethernet
System BIOS	
<b>BIOS Type</b>	AMI 256MB SPI Flash EEPROM

Dimensions	
<b>Height</b>	14" (356mm)
<b>Width</b>	1.75" (449mm) x2 (double width)
<b>Depth</b>	32" (813mm)
<b>Weight</b>	13.7 lbs (6.21 kg)
<b>Available Colors</b>	Metalic Silver with Black Drive Bays
Front Panel	
<b>Buttons</b>	Power On/Off button
<b>LEDs</b>	Power LED UID Network Activity LED Fault LED
Expansion Slots (per Node)	
<b>PCIe</b>	2 PCIe Gen5 x16 slots, support 1 FHFL DW PCIe card or 2 SW PCIe cards
Drive Bays / Storage (per Node)	
<b>Hot-swap</b>	4 front hot-swap E3.S 1T NVMe drive bay(s)
<b>M.2</b>	1 M.2 2280
Input / Output	
<b>TPM</b>	1 TPM Header
Operating Environment	
<b>RoHS</b>	RoHS Compliant
<b>Environmental Spec.</b>	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

### About Us

[Company Profile](#)  
[Green Computing](#)  
[Investor Relations](#)  
[Careers](#)  
[Site Map](#)  
[Glossary](#)

### News

[Press Releases](#)  
[Supermicro in the News](#)  
[Product Reviews](#)  
[Events](#)  
[Webinars](#)

### Resources

[Product Briefs](#)  
[Solution Briefs](#)  
[Success Stories](#)  
[Videos](#)  
[White Papers](#)  
[Thought Leadership](#)  
[MySupermicro](#)  
[Data Center Stories](#)

### Connect & Follow

[Locations](#)  
[Contact Us](#)  
[Newsletter Sign-up](#)

