

Blade SBI-612BA-5NE34 (Complete System Only)



Integrated Board



[\(/en/products/motherboard/B14SBE-CPU-AP/\)](/en/products/motherboard/B14SBE-CPU-AP/)

[B14SBE-CPU-AP \(/en/products/motherboard/B14SBE-CPU-AP/\)](/en/products/motherboard/B14SBE-CPU-AP/)

Views: | [Angled View \(/a images/products/views/SBI-612BA-5NE34_callout_angle.jpg\)](/images/products/views/SBI-612BA-5NE34_callout_angle.jpg) | [Rear View \(/a images/products/views/SBI-612BA-5NE34_callout_rear.jpg\)](/images/products/views/SBI-612BA-5NE34_callout_rear.jpg) | [Front View \(/a images/products/views/SBI-612BA-5NE34_callout_front.jpg\)](/images/products/views/SBI-612BA-5NE34_callout_front.jpg) | [Angled Node View \(/a images/products/views/SBI-612BA-5NE34_callout_node.jpg\)](/images/products/views/SBI-612BA-5NE34_callout_node.jpg) | [Top Node View \(/a images/products/views/SBI-612BA-5NE34_callout_top.jpg\)](/images/products/views/SBI-612BA-5NE34_callout_top.jpg) |

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 \(/en/support/resources/m2ssd?SystemID=90241&ProductName=SBI-612BA-5NE34\)](/en/support/resources/m2ssd?SystemID=90241&ProductName=SBI-612BA-5NE34)

[OS Certification Matrix \(/en/support/resources/certification/SBI-612BA-5NE34\)](/en/support/resources/certification/SBI-612BA-5NE34)

[Compatible GPU List \(/en/support/resources/gpu\)](/en/support/resources/gpu)

[Quick-References Guide](#) | [Download Driver CD](#)

NOTE: Please email to

[support@supermicro.com \(mailto:support@supermicro.com\)](mailto:support@supermicro.com) for more information about upgrading to latest BIOS/BMC

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 BR (LGA-7529), Intel® Xeon® 6900 series processors
3. Up to 12 DIMMs supporting up to 3TB 6400MT/s DDR5 RDIMM or 1.5TB 8800MT/s DDR5 MRDIMM
4. 4 Hot-swap E3.S NVMe NVMe SSD, 2 M.2 NVMe SSD
5. Dual-port 25G Ethernet (LOM)
6. Expansion slot for Ethernet mezzanine card and for standard PCIe card

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-612BA-5NE34

Motherboard

[MBD-B14SBE-CPU-AP](#)

[\(/en/products/motherboard/B14SBE-CPU-AP\)](/en/products/motherboard/B14SBE-CPU-AP)

Processor (per Node)

CPU

Single Socket BR (LGA-7529)

[Intel® Xeon® 6900 series processors with P-cores](#)

[\(/en/support/resources/cpu-intel-xeon-6900\)](/en/support/resources/cpu-intel-xeon-6900)

Note

Up to 500W with D2C (Liquid Cooled)

System Memory (per Node)

Memory Capacity

12 DIMM slots

Up to 3TB 6400MT/s DDR5 RDIMM or 1.5TB 8800MT/s DDR5 MRDIMM

On-Board Devices (per Node)

Chipset

System on Chip

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

3.5"

Depth

23.5"

Weight

13.7 lbs (6.21 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 NVMe SSDs

M.2

2 M.2 NVMe SSD

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

Certain products may not be available in your region

Global SKU [\(/en/products/SMC_global_skus\)](/en/products/SMC_global_skus)
