# Blade SBI-612B-1C2N (Complete System Only)
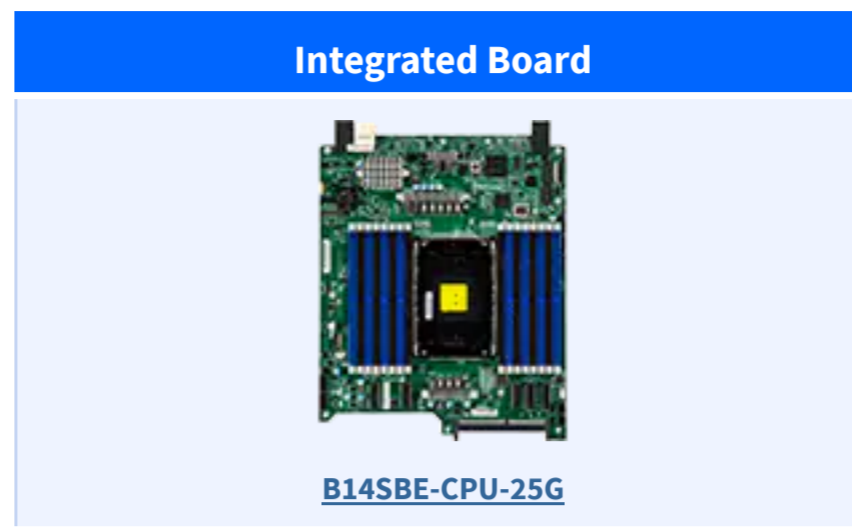
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**Views:** | Angled View | Rear View | Front View |
| Angled Node View | Top Node View |

**Integrated Board**

B14SBE-CPU-25G

**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

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

### 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. 2 Hot-swap U.2 NVMe/SAS
5. HW RAID 0 and 1 support with Broadcom 3108
6. Dual-port 25G Ethernet (LOM)
7. Expansion slot for Ethernet mezzanine card and for standard PCIe card
8. Liquid cooling solution is available*

* Please contact your Supermicro sales rep for more info.

**Contact Us**

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## Specifications ⌃

| Product SKUs | |
| --- | --- |
| SuperBlade Sled | SBI-612B-1C2N |
| 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) |
| | Max Memory: Up to 4TB 6400MT/s ECC DDR5 RDIMM |

| 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 | 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 | 2 front-end hot-swap 2.5" NVMe/SAS drive bay(s); HW RAID 0 & 1 with Broadcom 3108 |
| M.2 | 1 M.2 2280/22110 NVMe/SATA3 drive (onboard) |

| 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    🌐 English