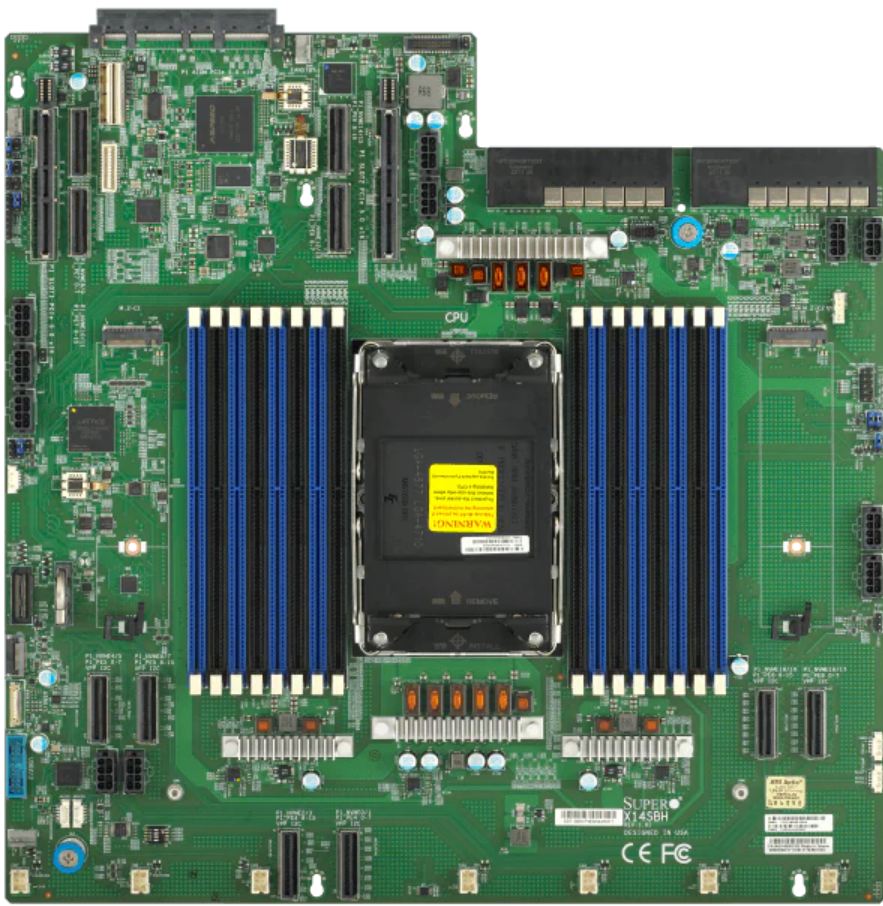» Products » Motherboards

X14SBH (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 2TB ECC RDIMM, DDR5-6400MT/s (1DPC) or DDR5-5200MT/s (2DPC) in 16 DIMM slots
3. 10 PCIe 5.0 x8 via MCIO connectors
4. 2 PCIe 5.0 x16 4C
   1 PCIe 5.0 x16 AIOM
   M.2 Interface: 2 PCIe 5.0 x2
   M.2 Form Factor: 2280, 22110, 25110
   M.2 Key: M-Key
5. AIOM for LAN

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Optimized Servers

[SYS-112H-TN](#)   [SYS-212H-TN](#)

Contact Us

Specifications | Resources | Parts List

Product SKUs

MBD-X14SBH

Physical Stats

Form Factor	Proprietary
Dimension	13" x 12.89" (33.02cm x 32.74cm)

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 2TB ECC Registered RDIMM, DDR5-6400MT/s
Memory Type	6400 MT/s ECC DDR5 RDIMM 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
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	AIOM for LAN

Input / Output

LAN	1 AIOM
USB	3 USB 3.2 Gen1 port(s) (3 via header)
TPM	1 TPM Header 1 TPM TPM 2.0 onboard

Expansion Slots

PCIe	1 PCIe 5.0 x16 AIOM, 2 PCIe 5.0 x16 4C slots, 10 PCIe 5.0 x8 MCIO connector
M.2	M.2 Interface: 2 PCIe 5.0 x2 Form Factor: 2280/22110/25110 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](#)

PC Health Monitoring

Voltage	VBAT, System level control, Supports system management utility, Monitors CPU voltages, +5V standby, +5V, +3.3V, +12V
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 M.2 NGFF connector Control of power-on for recovery from AC power loss Chassis intrusion detection ACPI power management

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Certain products may not be available in your region

Global SKU   🌐 English