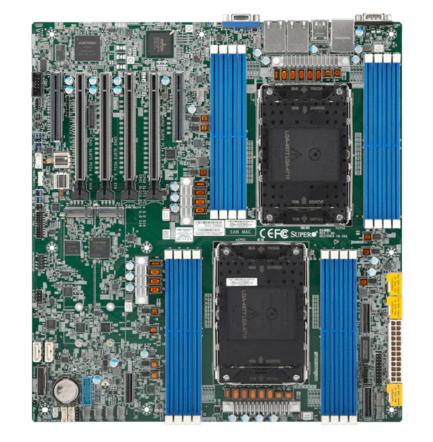» Products » Motherboards

X14DBI Coming Soon

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X14 Mainstream

Key Features

1. Intel® Xeon® 6 processors, Dual Socket LGA-4710 (Socket E2) supported, CPU TDP supports Up to 350W TDP
2. Total up to 2TB ECC RDIMM DDR5-6400MT/s in 16 DIMM slots
3. Support CXL 2.0
4. 4 PCIe 5.0 x16
5. 2 PCIe 5.0 x8
6. 3 PCIe 5.0 x8 via MCIO connectors
7. **M.2 Interface:** 2 PCIe 5.0 x4
   M.2 Form Factor: 2280, 22110
8. Dual LAN with 1GBase-T with Broadcom® BCM5720
9. 6 USB 3.2 Gen1 (4 rear and 2 via header)
10. 10 SATA3 ports

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Contact Us

Specifications	Resources	Parts List

Product SKUs

MBD-X14DBI

Physical Stats

Form Factor	EATX
Dimension	12.5" x 13.4" (318.5cm x 339.85cm)

Processor

CPU	Intel® Xeon® 6700-series processors with E-cores Dual 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 RDIMM: 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	Dual LAN Dual LAN with Broadcom BCM5720 1GBase-T

Input / Output

SATA	10 SATA3 port(s)
LAN	1 RJ45 Dedicated IPMI LAN port
USB	6 USB 3.1 Gen1 port(s) (2 via header; 4 rear)
Video Output	1 VGA D-Sub Connector port(s)
Serial Port	2 COM Port(s) (1 rear; 1 header)
TPM	1 TPM Header
Others	3 MCIO PCIe 5.0 x8

Expansion Slots

PCIe	2 PCIe 5.0 x8, 4 PCIe 5.0 x16
M.2	M.2 Interface: 2 PCIe 5.0 x4 Form Factor: 2280/22110 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	SuperCloud Composer, Supermicro Server Manager (SSM), Super Diagnostics Offline (SDO), Supermicro Thin-Agent Service (TAS), SuperServer Automation Assistant (SAA) New!, Plug-ins for 3rd Party Software

PC Health Monitoring

Voltage	VBAT, System temperature, Memory temperature, CPU temperature, +5V standby, +5V, +3.3V, +12V, CPU thermal trip support, +3.3V standby, Vcore, Vmem, Peripheral temperature, Platform Environment Control Interface (PECI)/(TSI)
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	8x 4-pin fan headers (up to 8 fans) Fan speed control Overheat LED indication 8x fans with tachometer monitoring
Other Features	UID M.2 NGFF connector Control of power-on for recovery from AC power loss Chassis intrusion detection ACPI power management

Operating Environment

Operating Temperature Range	10°C - 35°C (50°F - 95°F)
Non-Operating Temperature Range	-40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range	8% - 90% (non-condensing)
Non Operating Relative Humidity Range	5% - 95% (non-condensing)

X14DBI Coming Soon

Certain products may not be available in your region

Global SKU 🌐   English