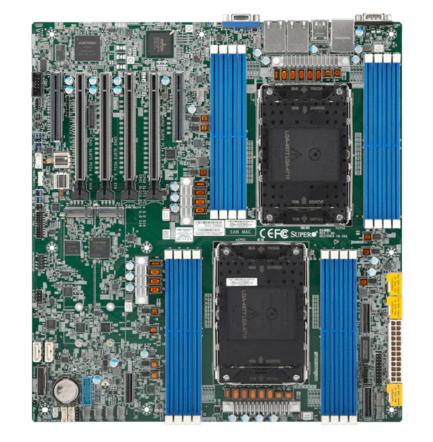
SUPERMICE

X14DBI Coming Soon





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 PCle 5.0 x16
- 5. 2 PCle 5.0 x8
- 6. 3 PCle 5.0 x8 via MCIO connectors
- 7. **M.2 Interface:** 2 PCle 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

Contact Us

X14 Mainstream

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 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 with Broadcom BCM5720 1GBase-T Input / Output Input / Output SATA 10 SATA3 port(s) LAN 1RJ45 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 1TPM Header Others 3 MCIO PCIe 5.0 x8	Specifications	Resources	Parts List
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 10p to 27B ECC Registered RDIMM, DDR5-6400MT/s Memory Typ 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: 32CB, 64GB, 96GB, 128GB RDIMM: 32CB, 64GB, 96GB, 128GB Memory Voltage 1.1V Error Detection Corrects single-bit errors (using ECC memory) On-Board Devices Chipset System on Chip ASPEED AST2600 BMC Network Controllers Dual LAN Dual LAN with Broadcom BCM5720 1GBase-T Input / Output SATA 10 SATA3 port(s) LAN 1RJ45 Dedicated IPMI LAN port LAN 1RJ45 Dedicated IPMI LAN port Video Output 1VGA D-Sub Connector port(s) Video Output 1VGA D-Sub Connector port(s) Serial Port 2 COM Port(s) (1 rear; 1 header)			
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 27B 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 RDIMM: 32GB, 64GB, 96GB, 128GB Memory Voltage 1.1V Error Detection Corrects single-bit errors (using ECC memory) On-Board Devices Chipset System on Chip 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 4 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	Product SKUs		
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 Up to 200 MT/s ECC DDR5 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 RDIMM: 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 Input / Output IRJ45 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	MBD-X14DBI		
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 Corrects single-bit errors Detection 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 IRJ45 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	Physical Stats		
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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	Processor		
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	СРИ	Dual Socket E2 (LGA-4710) supported, CPU TDF	
Memory Capacity 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	Core	Up to 144 (E) cores	
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	System Memory		
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	Memory Capacity		T/s
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	Memory Type	•	•
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 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	DIMM Sizes		
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	Memory Voltage	1.1V	
Chipset System on Chip IPMI ASPEED AST2600 BMC Network Controllers Dual LAN 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	Error Detection	•	
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	On-Board Devices		
Network Controllers Dual LAN 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	Chipset	System on Chip	
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	IPMI	ASPEED AST2600 BMC	
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	Network Controllers		
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	Input / Output		
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	SATA	10 SATA3 port(s)	
Video Output 1 VGA D-Sub Connector port(s) Serial Port 2 COM Port(s) (1 rear; 1 header) TPM 1 TPM Header	LAN	1 RJ45 Dedicated IPMI LAN port	
Serial Port 2 COM Port(s) (1 rear; 1 header) TPM 1 TPM Header	USB	6 USB 3.1 Gen1 port(s) (2 via header; 4 rear)	
TPM 1 TPM Header	Video Output	1 VGA D-Sub Connector port(s)	
	Serial Port	2 COM Port(s) (1 rear; 1 header)	
Others 3 MCIO PCIe 5.0 x8	ТРМ	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, Veore, 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

Certain products may not be available in your region







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News

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Resources

Operating Environment

Temperature Range

Non Operating Relative

Humidity Range

Humidity Range

Operating Temperature 10°C - 35°C (50°F - 95°F)

Non-Operating -40°C - 70°C (-40°F - 158°F)

Operating Relative 8% - 90% (non-condensing)

5% - 95% (non-condensing)

Range

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