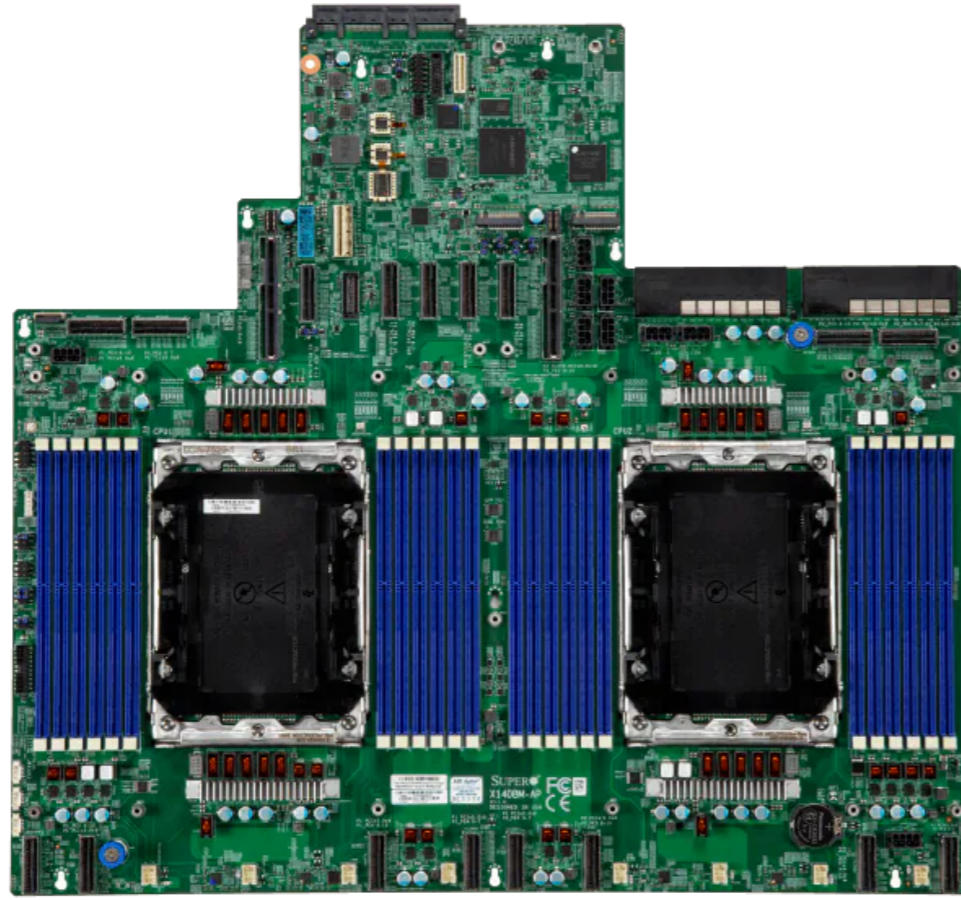# X14DBM-AP (For SuperServer Only) New

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Key Features

1. Support Single CPU Operation
2. 6th Gen Intel® Xeon® Scalable processors, Dual Socket LGA-7529 (Socket BR) supported, CPU TDP supports Up to 500W
3. Support DDR5-RDIMM 6400MT/s in 24 DIMM slots
4. Support DDR5-MRDIMM 8800MT/s in 24 DIMM slots
5. 8 NVMe ports PCIe 5.0 x8 via 8 MCIO connectors
6. **M.2 Interface:** 2 PCIe5.0 x2 **M.2 Form Factor:** 2280, 22110 **M.2 Key:** M-Key
7. Modular design. 24 DIMM, AIOM, up to 24 drives support.

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Optimized Servers

SYS-222HA-TN

Contact Us

Specifications | Resources | Parts List

Product SKUs

MBD-**X14DBM-AP**

Physical Stats

Form Factor	Proprietary
Dimension	17" x 15.565" (43.18cm x 39.54cm)

Processor

CPU	Dual Socket BR (LGA-7529) supported, CPU TDP supports Up to 500W TDP
Core	Up to 288 (E) cores

System Memory

Memory Capacity	24 DIMM slots Up to 6TB ECC Registered MRDIMM, DDR5-8800MT/s; Up to 6TB 3DS ECC Registered RDIMM, DDR5-6400MT/s
Memory Type	ECC DDR5 MRDIMM, RDIMM (3DS) Up to 256GB of memory with speeds of up to 8800 MT/s (MRDIMM 1DPC) or 6400 MT/s (RDIMM 1DPC)
DIMM Sizes	MRDIMM: 32GB, 48GB, 64GB, 96GB, 128GB, 256GB RDIMM: 32GB, 48GB, 64GB, 96GB, 128GB, 256GB
Memory Voltage	1.1V
Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	System on Chip
Network Controllers	N/A

Expansion Slots

PCIe	16 PCIe 5.0 x8 MCIO connector
M.2	M.2 Interface: 2 PCIe 5.0 x2 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	4 fans with tachometer monitoring, 3.3V standby, +5V standby, +5V, +3.3V, Monitors CPU Core Voltages, BMC/IPMI Heartbeat LED, Platform Environment Control Interface (PECI)/(TSI), ACPI power management, Control of power-on for recovery from AC power loss, Low noise fan speed control
FAN	CPU thermal trip support

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