

» Products » Motherboards

Specifications

X14DBT-B (For SuperServer Only) New





Resources

Key Features

1. support optional single CPU opeartion

2. Intel[®] Xeon[®] 6 processors, Dual Socket LGA-4710 (Socket E2) supported, CPU TDP up to 350W

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- 3. total 16 DDR5 (up to 6400MT/s) DIMM slots
- 4. two PCIe 5.0x16 Riser cards supporting high speed interface
- 5. PCIe 5.0 NVMe and SAS storages with optional RAID
- 6. up to four M.2 22x110 with optional RAID
- 7. support CXL 1.0, 1.1, 2.0 Type-3 Memory
- 8. PCIe 5.0x16 to AIOM slot

Optimized Servers

SYS-222BT-HNC8R SYS-222BT-HNC9R SYS-622BT-HNC8R

SYS-222BT-HNR SYS-622BT-DNC8R SYS-222BT-DNR SYS-222BT-

Product SKUs	Expansion Slots
MBD-X14DBT-B Physical Stats	PCIe1 PCIe 5.0 x16 for Left riser card support, 1 PCIe 5.0 x16 for Right riser card support, 1 PCIe 5.0 x4 (in x16 slot), For M.2 adapter to support two NVM
Form Factor Proprietary	M.2 devices, 1 PCIe 5.0 x8 (in x16 slot), For M.2 adapter to support two NVM M.2 devices,
Dimension 7.617" x 18.86" (19.347 cm x 47.8 cm)	1 PCIe 5.0 x16 AIOM, OCP 3.0 compliant,

Parts List

Dimension	7.617" x 18.86" (19.347cm x 47.8cm)		1 PCIe 5.0 x16 AIOM, OCP 3.0 compliant, 1 PCIe 5.0 x16 (in x16 slot), For NVMe SCC storage card,
Processor			1 PCIe 5.0 x8, For NVMe SCC storage card, 1 PCIe 5.0 x8, For SAS SCC storage card,
CPU	Intel [®] Xeon [®] 6700-series processors with E-cores Dual Socket E2 (LGA-4710) supported, CPU TDP supports Up to 350W TDP, 4 UPI up to 24 GT/s		1 PCIe 5.0 x8 M.2 Slot, For M.2 adapter to support RAID two NVMe M.2 devices, 3 PCIe 5.0 x8 NS connector, For cabling to SCC storage card
Core	Up to 144 (E) cores	M.2	M.2 Interface: 4 PCIe 5.0 x4, RAID 0 & 1 Form Factor: 22110 Key: M-Key
System Memory			
Memory Capacity	16 DIMM slots	System BIOS	
	Up to 2TB 3DS ECC Registered RDIMM, DDR5-6400MT/s	BIOS Type	AMI 64MB AMI UEFI
Memory Type	ECC DDR5 RDIMM (3DS) Up to 128GB of memory with speeds of up to 6400 MT/s(1DPC)	BIOS Features	ACPI 6.5 SMBIOS 3.7 or later UEFI 2.9
DIMM Sizes	RDIMM: 32GB, 64GB, 96GB, 128GB		
Memory Voltage	1.1V	Management	
Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)	Software	Redfish API, Supermicro Server Manager (SSM), Supermicro Update Manager (SUM), Supermicro SuperDoctor® 5 (SD5), Super Diagnostics Offline (SDO), KVM with dedicated LAN, IPMI
On-Board Devices			<u>2.0</u>
Chipset	System on Chip	PC Health Monitoring	
	System on emp	Voltage	4 fans with tachometer monitoring, 3.3V standby, +5V standby,
Network Controllers	Single LAN AIOM for LAN		+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
Input / Output			power loss, Low noise fan speed control
USB	2 USB 3 port(s) (2 rear type A)	FAN	1x 4-pin fan header (up to 1 fan) CPU thermal trip support
Video Output	1 VGA port(s)		
Serial Port	1 COM Port(s) (1 Serial Port)	- -	
ТРМ	1 TPM Header		

Global SKU 🌐 English

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