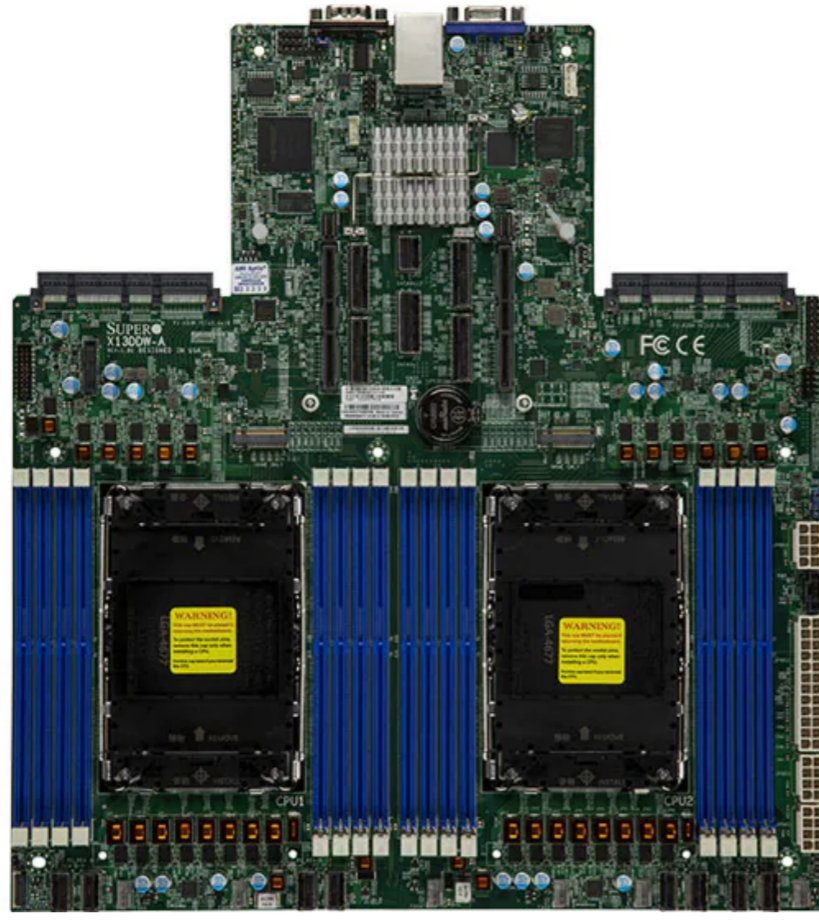# X13DDW-A (For SuperServer Only)

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X13 CloudDC

Key Features

1. Support CXL
2. 5th/4th Gen Intel® Xeon® Scalable processors, Dual Socket LGA-4677 (Socket E) supported, CPU TDP supports Up to 350W TDP
3. Intel C741® Chipset
4. Up to 4TB 3DS ECC RDIMM, DDR5-5600MT/s in 16 DIMM slots
5. 4 PCIe 5.0 x16
6. 2 AIOM OCP 3.0 superset
7. 2 M.2
8. 1 VGA
9. 8 NVMe ports PCIe 5.0 x4 via 8 MCIO connectors
10. 2 USB 2.0 header and 2 USB 3.2 Gen1

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Optimized Servers

SYS-121C-TN10R   SYS-121C-TN2R   SYS-611C-TN4R   SYS-621C-TN12R

Contact Us

Specifications	Resources	Parts List

Product SKUs

MBD-X13DDW-A

Physical Stats

Form Factor	Proprietary
Dimension	12.289" x 13.404" (21.214cm x 34.046cm)

Processor

CPU	5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors Dual Socket E (LGA-4677) supported, CPU TDP supports Up to 350W TDP
Core	Up to 64 cores

System Memory

Memory Capacity	16 DIMM slots Up to 4TB 3DS ECC RDIMM, DDR5-5600MT/s
Memory Type	5600/5200/4800/4400/4000 MT/s ECC DDR5 RDIMM (3DS) Up to 256GB of memory with speeds of up to 5600MT/s(1DPC)
DIMM Sizes	16GB, 32GB, 64GB, 96(XCC Only)GB, 128GB, 256GB RDIMM: Up to 256GB
Memory Voltage	1.1V
Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	Intel® C741
SATA	Intel® C741 controller for 12 SATA3 ports
Network Controllers	N/A

Input / Output

SATA	12 SATA3 (6Gbps) port(s)
USB	2 USB 2 port(s) (2 via header) 2 USB 3.2 Gen1 port(s) (2 rear)
Video Output	1 VGA D-Sub Connector port(s)
Serial Port	1 COM Port(s) (1 rear)
TPM	1 TPM Header
Others	8 MCIO

Expansion Slots

PCIe	1 PCIe 5.0 x16 Right Riser Slot, 1 PCIe 5.0 x16 Left Riser Slot, 2 PCIe 5.0 x16 AIOM Slot, AIOM slots Superset of OCP 3.0 Expansion, 2 PCIe 5.0 x16 Center Right Hand Slot
M.2	M.2 Interface: 2 PCIe 5.0 x4 Form Factor: 2260/2280 Key: M-Key

System BIOS

BIOS Type	AMI 64MB AMI UEFI
BIOS Features	ACPI 6.4 SMBIOS 2.8/3.5 UEFI 2.8A Plug and Play (PnP) PCI FW 3.2

Management

Software	SuperCloud Composer, Supermicro Server Manager (SSM), Supermicro Power Manager (SPM), Supermicro Update Manager (SUM), Supermicro SuperDoctor® 5 (SD5), Super Diagnostics Offline (SDO), Supermicro Thin-Agent Service (TAS), SuperServer Automation Assistant (SAA) New!, Plug-ins for 3rd Party Software, IPMI Utilities

PC Health Monitoring

Voltage	VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, 5 -fan status, +5V standby, +5V, +3.3V, +12V, Memory Voltages
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	6x 4-pin fan headers (up to 6 fans) Fan speed control 5 fans with tachometer status monitoring Overheat LED indication
Other Features	UID, Node Manager Support, 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)

Certain products may not be available in your region

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