» Products » Motherboards

# X14SBW-F New

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## Key Features

1. Intel® Xeon® 6700-series processors with E-cores, Single Socket LGA-4710 (Socket E2) supported, CPU TDP supports Up to 350W TDP
2. Up to 1TB ECC RDIMM DDR5-6400MT/s in 8 DIMM slots
3. 4 PCIe 5.0 X8 via MCIO connectors
4. 1 PCIe 5.0 x8 (WIO-R),
   2 PCIe 5.0 x16 (WIO-L),
   **M.2 Interface:** 2 PCIe 5.0 x2
   **M.2 Form Factor:** 2280, 22110
   **M.2 Key:** M-Key
5. Dual LAN with 1GbE with Intel®I210
6. Onboard TPM2.0

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## Optimized Servers

SYS-112B-WR    SYS-512B-WR    SYS-522B-WR    SYS-112B-FDWR

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**Specifications**    Resources    Parts List

### Product SKUs

**MBD-X14SBW-F**

### Physical Stats

| | |
|---|---|
| Form Factor | Proprietary WIO |
| Dimension | 8" x 13" (20.32cm x 33.02cm) |

### Processor

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|---|---|
| CPU | Intel® Xeon® 6700-series processors with E-cores<br>Single Socket E2 (LGA-4710) supported, CPU TDP supports Up to 350W TDP |
| Core | Up to 144 (E) cores |

### System Memory

| | |
|---|---|
| Memory Capacity | 8 DIMM slots<br>Up to 1TB 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) |
| DIMM Sizes | 32GB, 64GB, 96GB, 128GB |
| Memory Voltage | 1.1V |
| Error Detection | Corrects single-bit errors<br>Detects double-bit errors (using ECC memory) |

### On-Board Devices

| | |
|---|---|
| Chipset | System on Chip |
| SATA | ASMediaASM1164 controller for 8 SATA3 ports |
| IPMI | ASPEED AST2600 BMC |
| Network Controllers | Dual LAN with 1GbE with Intel® I210 |

### Input / Output

| | |
|---|---|
| SATA | 8 SATA3 port(s) |
| LAN | 2 RJ45 Gigabit Ethernet LAN ports<br>1 RJ45 Dedicated IPMI LAN port |
| USB | 4 USB 3.2 Gen1 port(s) (2 via header; 2 rear) |
| Video Output | 1 VGA D-Sub Connector port(s) |
| Serial Port | 2 COM Port(s) (1 header; 1 rear) |
| TPM | 1 TPM Header<br>1 TPM TPM 2.0 onboard |

### Expansion Slots

| | |
|---|---|
| PCIe | 1 PCIe 5.0 x8 Right Riser (in x16) slot,<br>1 PCIe 5.0 x32 Left Riser Slot,<br>4 PCIe 5.0 x8 PCIe5.0 MCIO connector |
| M.2 | M.2 Interface: 2 PCIe 5.0 x2<br>Form Factor: 2280/22110<br>Key: M-Key |

### System BIOS

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|---|---|
| BIOS Type | AMI 64MB AMI UEFI |
| BIOS Features | ACPI 6.5<br>SMBIOS 3.7 or later<br>UEFI 2.9 |

### Management

| | |
|---|---|
| Software | Redfish API, Supermicro Server Manager (SSM), Supermicro Update Manager (SUM), Supermicro SuperDoctor® 5 (SD5), Super Diagnostics Offline (SDO), KVM with dedicated LAN , IPMI 2.0 |

### PC Health Monitoring

| | |
|---|---|
| Voltage | VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chassis intrusion header, 6 -fan status, +5V standby, +5V, +3.3V, +12V, Memory Voltages |
| LED | UID/Remote UID<br>CPU / System Overheat LED |
| Temperature | Monitoring for CPU and chassis environment<br>CPU thermal trip support<br>Thermal Monitor 2 (TM2) support<br>PECI |
| FAN | 6x 4-pin fan headers (up to 6 fans)<br>Fan speed control<br>Overheat LED indication |
| Other Features | WOL, UID, M.2 NGFF connector, Control of power-on for recovery from AC power loss, Chassis intrusion detection, ACPI power management |

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Certain products may not be available in your region

Global SKU    🌐 English