

CX170-S5062

1U Intel® Xeon® 6 Enterprise Server



SPECIFICATIONS

Dimensions (Width x Height x Depth)

438.5mm (17.2") x 43mm (1.7") Hx 770mm (30.3") D

Processor

Dual Intel® Xeon® 6700E-series, 6500P-series and 6700P-series processors, TDP up to 350W

Memory

- (32) DDR5 DIMM slots, 8 channels per CPU (2DPC), RDIMM/RDIMM-3DS/MRDIMM
 - Max. Frequency:
 - RDIMM: 6400MT/s (1DPC), 5200MT/s (2DPC)
 - MRDIMM: 8000MT/s (only support 1DPC)
 - Max. Capacity per DIMM: 256GB (RDIMM), 64GB (MRDIMM)

* MRDIMMs are only supported with Intel® Xeon® 6 P-core series processors

Expansion Slots

- (2) PCIe 5.0 x16 FHHL single wide slots
 - (1 from CPU0, 1 from CPU1)

Networking

- (1) PCIe 5.0 x16 OCP3 NIC mezzanine slot
 - (CPU0, NCSI supported)

Storage

- (12) Front hot-swap 2.5" U.2 PCIe 5.0 x4 NVMe drive bays
 - (6 from CPU0, 6 from CPU1)
- (2) Rear hot-swap E1.S 9.5mm PCIe 5.0 x4 NVMe drive bays (CPU1)
- (2) 2280/22110 PCIe 5.0 x2 NVMe M.2 ports (CPU0)

RAID

NVMe RAID 0/1/5/10 support
(Intel® VROC RAID key required)

Server Management

- (1) 1000Base-T Dedicated Server Management port
- ASPEED AST2600 with AMI MegaRAC based firmware supporting IPMI 2.0 and DMTF Redfish API

1U Dual-Socket Intel® Xeon® 6500/6700 Enterprise Server Platform with All-NVMe Flash Storage

The CX170-S5062 Series Enterprise Servers support dual Intel® Xeon® 6500/6700-series processors and offer up to 12 U.2 NVMe drive bays. Designed with a DC-MHS architecture, these servers provide maximum memory capacity and advanced PCIe 5.0 expansion capabilities, ensuring top-tier performance and scalability for enterprise applications.

Applications

Cloud Computing Service
Content Delivery Network
Network Function Virtualization

Dual BIOS and dual BMC
eMMC for local BMC storage media

Security

Chassis intrusion
TPM2.0 module supported (optional)
ASPEED AST1060 Hardware Root of Trust module supported (optional)

Front I/O

- (12) Hot-swap 2.5" U.2 drive bays
- (1) USB 3.0 Type-A port
- (1) USB 2.0 Type-A port
- (1) System Power LED button
- (1) UID LED button
- (1) Reset button
- (4) Status LEDs: Fault/LAN/M.2

Rear I/O

- (2) Hot-swap E1.S 9.5mm drive bays
- (1) 1000Base-T Dedicated Server Management port
- (1) COM USB Type A port
- (1) USB 2.0 Type-A port
- (1) Mini Display port
- (1) Power LED (Green) button
- (1) UID LED (Blue) button
- (1) Status LEDs: Green/Red

Power Supply

- (1+1) Redundant 2000W CRPS 80 PLUS Titanium

Environmental

System Operating Temperature: 0°C ~ 35°C
Non-operating Temperature: -20°C ~ 70°C
Non-operating Relative Humidity: 5% to 85% (non-condensing)

Regulatory

FCC (Class A), CE



Specifications are subject to change without notice. Please visit our website for the latest information.