

CX271-S3066

2U Intel® Xeon® 6 Enterprise Server



SPECIFICATIONS

Dimensions (Width x Height x Depth)

438mm (17.2") Wx 87mm (3.4") Hx 764mm (30") D

Processor

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

Memory

(16) DDR5 DIMM slots, 8 channels (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) FHFL PCIe5 x16 double-wide slots support max 400W PCIe card (one slot is only functional with R1S CPU)

(1) HHL PCIe5 x16 single wide slot

* PCIe slots supporting feature varies with different SKUs

Networking

(2) PCIe 5.0 x16 OCP3.0 slots (NCSI supported)

* NCSI only one slot is functional at the same time

* OCP1 slot is only functional with R1S CPU

Storage

Up to (24) front hot-swap 2.5" U.2 PCIe 5.0 x4 NVMe drive bays

(2) 2280/22110 PCIe 5.0 x2 NVMe M.2 ports

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

2U Single-Socket Intel® Xeon® Enterprise Server Platform with up to 24 NVMe Drive Bays

The CX271-S3066 Series enterprise server is powered by a single-socket Intel® Xeon® 6500/6700 series processor, optimized for 6700 series R1S processors. It features 136 PCIe lanes and supports up to 24 U.2 NVMe drive bays with PCIe Gen 5.0, offering exceptional storage and data transfer performance. Built on the DC-MHS architecture, it delivers the scalability and efficiency needed for cutting-edge enterprise workloads.

Applications

Cloud Computing Service

Content Delivery Network

AI Inference and Fine-tuning

supporting IPMI 2.0 and DMTF Redfish API

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

(8) or (24) Hot-swap 2.5" U.2 drive bays

(2) USB 3.0 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

(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 or 2400W CRPS 80 Plus Titanium

Environmental

System Operating Temperature: 0°C ~ 35°C

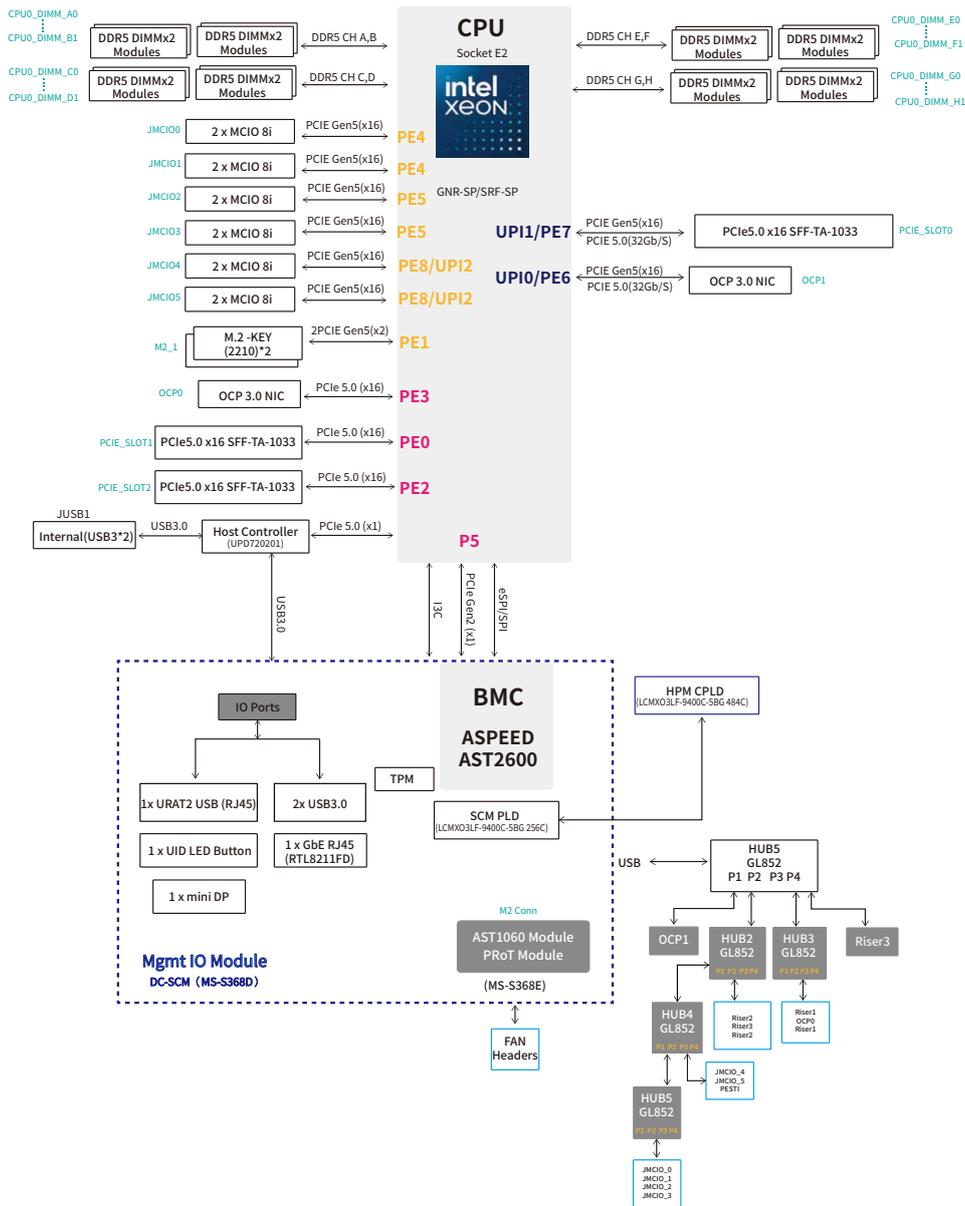
Non-operating Temperature: -20°C ~ 70°C

Non-operating Relative Humidity: 5% to 85% (non-condensing)

Regulatory

FCC (Class A), CE

CX271-S3066 System Block Diagram



Top View



S3066X271RAU8



S3066X271RAU24

SKU TABLE

Standard SKUs	S3066X271RAU8	S3066X271RAU24
Drive Bays	(8) U.2 NVMe	(24) U.2 NVMe
PCIe Slots	(3) PCIe 5.0 x16 slots	-
Power Supply	2,400W	2,000W



Learn more about MSI servers, visit <https://eps.msi.com>

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