

CX271-S4056 (-HE SKUs)

2U AMD EPYC™ 9005/9004
Enterprise Server



2U Single-Socket AMD SP5 Enterprise Server Platform with up to 8 U.2 NVMe Drive Bays

The CX271-S4056-HE Series enterprise server is powered by single-socket AMD EPYC™ 9005/9004 Series processor, optimized for maximum memory capacity and high-TDP performance. It supports up to 8 U.2 NVMe drive bays and PCIe Gen 5.0, built on the DC-MHS architecture.

Applications

Cloud Computing Service
Content Delivery Network
AI Inference and Fine-tuning

SPECIFICATIONS

Dimensions (Width x Height x Depth)

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

Processor

Single AMD EPYC™ 9005/9004 Series processor,
up to TDP 500W

Memory

(24) DDR5 DIMM slots, 12 channels(2DPC),
RDIMM/RDIMM-3DS

- Max. Frequency 5200MT/s
- Max. Capacity per DIMM: 256GB

Expansion Slots

(2) FHFL PCIe5 x16 double wide slots, supporting up to 600W
PCIe cards

*PCIe cards with TDP over 400W are supported at 25°C
operating temperature

(1) FHHL PCIe5.0 x16 single wide slot

Networking

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

* Only one NCSI slot is functional at a time

Storage

(8) Front hot-swap 2.5" U.2 PCIe 5.0 x4 NVMe drive bays

(2) 2280/22110 PCIe 3.0 x2 NVMe M.2 ports

Server Management

(1) 1000Base-T Dedicated Server Management port
ASPEED AST2600 with AMI MegaRAC based firmware
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) 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 3200W CRPS 80 Plus Titanium

Environmental

Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)

Operating Humidity: 8% to 85% (non-condensing)

Non-operating Temperature: -30°C ~ 60°C (-40°F to 140°F)

Non-operating Relative Humidity: 8% to 90% (non-condensing)

Regulatory

FCC (Class A), CE

AMD
EPYC



Standard SKUs	S4056X271RAU8-HE
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Drive Bays	[8] U.2 NVMe
PCIe Slots	[3] PCIe 5.0 x16 slots
Power Supply	3,200W



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