

CD270-S3071-X4

2U4N Intel® Xeon® 6900 Core Compute



SPECIFICATIONS

Dimensions (Width x Height x Depth)

448mm (17.2") Wx 87mm (3.4") Hx 745mm (29.4") D

Processor (per node)

Single Intel® Xeon® 6900 series processor, TDP up to 400W

Memory (per node)

(12) DDR5 DIMM slots, 12 channels per CPU (1DPC), RDIMM/RDIMM-3DS/MRDIMM

- Max. Frequency:

RDIMM: 6400MT/s

MRDIMM: 8800MT/s

- Max. Frequency per DIMM: 256GB

Expansion Slots (per node)

(1) FHHL PCIe 5.0 x16 slot

Networking (per node)

(1) PCIe 5.0 x16 OCP3.0 slot (NCSI supported)

Storage (per node)

(3) 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 (per node)

(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

2U 4-Node Intel® Xeon® 6900 DC-MHS Server Platform: Optimized for Maximum Rack Density with Low Power CPU

The CD270-S3071-X4 Series Core Compute server is powered by Intel® Xeon® 6900 series processors. It features advanced airflow design and a 1U standard Extended Volume Air Cooling (EVAC) CPU heatsink, optimized to support maximum CPU TDP while significantly reducing fan power consumption.

Applications

Cloud computing service

Content delivery network

Security

Node present detection

TPM2.0 module supported (optional)

ASPEEDAST1060 Hardware Root of Trust module supported (optional)

Front I/O (per node)

(3) Hot-swap 2.5" U.2 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

Rear I/O

N/A

Power Supply (per system)

(1+1) 2700W CRPS 80 Plus Titanium

Environmental

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

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

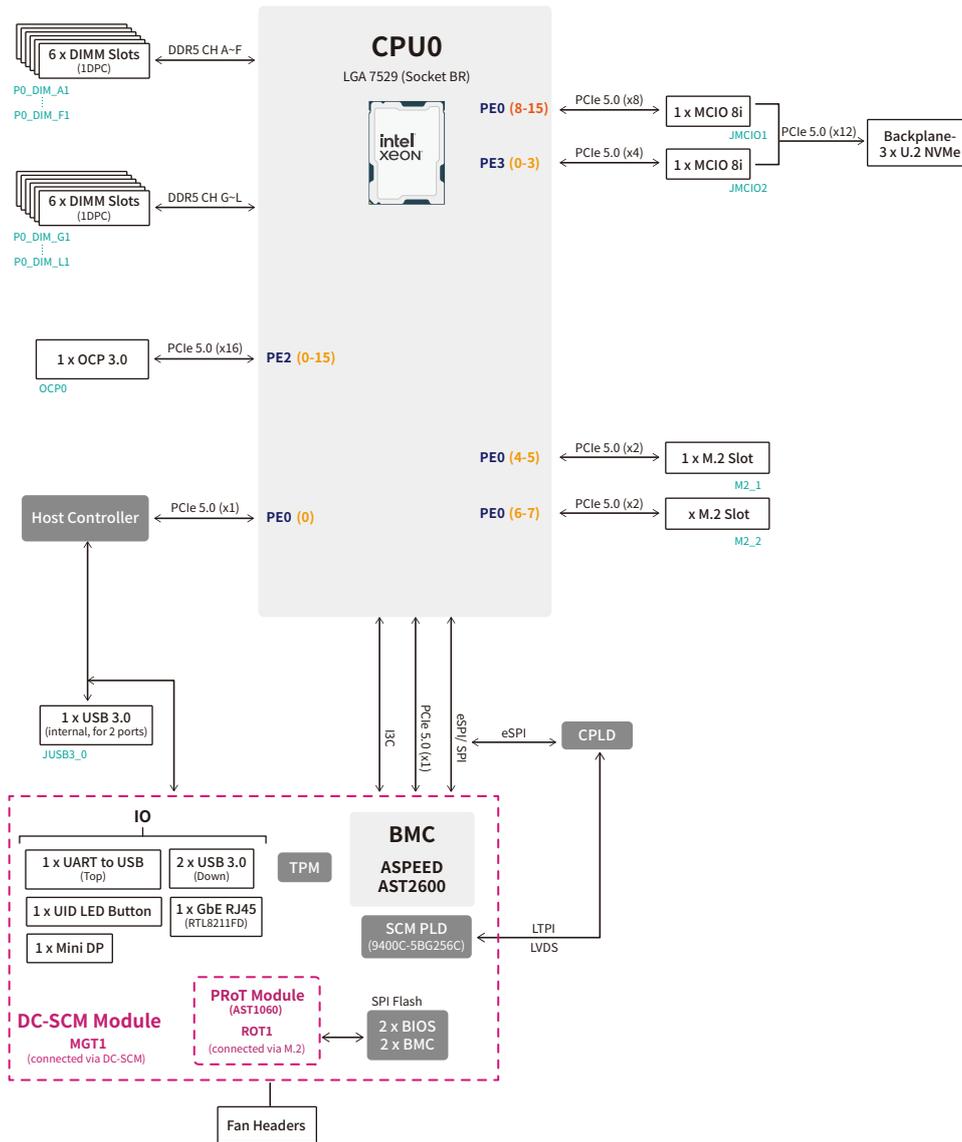
Non-operating Temperature: -30°C ~ 60°C (-40°F to 140°F)

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

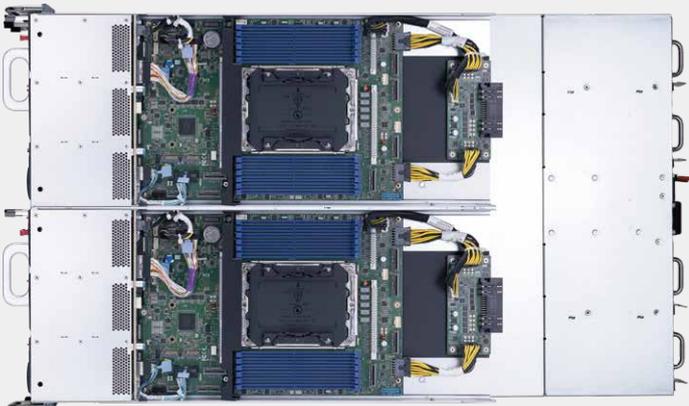
Regulatory

FCC (Class A), CE

CD270-S3071-X4 System Block Diagram



Top View



SKU TABLE

Standard SKUs	S3071D270RAU6-X4
Front Storage (per node)	(3) U.2 NVMe
PCIe Slots (per node)	(1) PCIe 5.0 x16 slot
Power Supply (per system)	2,700W



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