

SV2081A

Front Access 2U 4-node Server
to Address Growing Computing Needs



High-reliable Network Connectivity

The standard-compliant OCP 3.0 slot enables installation of a NIC to provide high bandwidth and ultra-low latency for server networking, and features tool-less design for easy serviceability.

High-density Computing in a Compact Design

Equipped with four independent nodes, the server delivers unprecedented performance to handle complex workloads in a small chassis, making it a great choice to increase compute density in limited spaces.

Highly Convenient Front Access Design

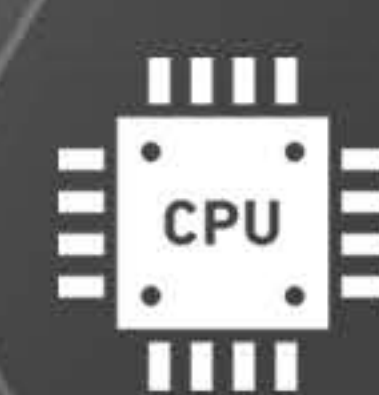
The four nodes are front accessible, which is convenient for users to access the node from the front, and to eliminate the need of maintenance behind the rack where space is minimal.

High-speed PCIe Expansion Capability

Supporting PCIe Gen4, the product offers a superior bandwidth of 16 GT/s, double the speed of PCIe Gen3, to enable faster data transfer rate for versatile I/O options.

Application

- Hexagon icon: Hyperscale Data Center
- Hexagon icon: High Performance Computing
- Hexagon icon: Composable Disaggregated Infrastructure



8 x 3rd Generation
AMD EPYC™
Processors



64 x DDR4 RDIMM/
LRDIMM



Front Access Design



1+1 Redundancy,
Platinum Level



2U Rackmount

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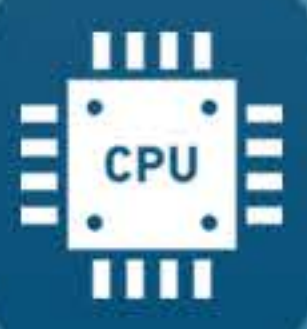
Specifications



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Processor

Two 2nd/3rd Generation AMD EPYC™ Processors, up to 24 Cores, 240W (TDP) per Node



Memory

16 x DDR4 3200MHz RDIMM/LRDIMM per Node,
1 x NVDIMM per Node



Storage

1 x SATA/NVMe M.2 (2280/22110) per Node
1 x SATA M.2 (2280/22110) per Node



Front Panel (per Node)

1 x Power Button with LED
1 x UID LED
1 x System Health LED
1 x RJ45 for BMC Dedicated Management
1 x VGA
2 x USB 3.0



TPM

1 x TPM 2.0 Module per Node



Certification

FCC/CE/UL/CB/BSMI



Expansion Slots

2 x PCIe Gen4 x16 LP slots per Node
1 x OCP 3.0 NIC PCIe Gen4 x16 per Node



Management

1 x ASPEED AST2500 BMC per Node
Support Intelligent Platform Management Interface v.2.0



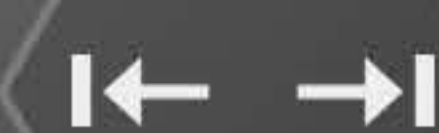
PSUs

1+1 Redundant 3000W
Platinum Power Supplies



Fans

3 x 40*56mm per Node,
12 x per Chassis



Chassis Dimensions (H x W x D)

3.42" x 17.6" x 26.76" /
87.0mm x 447.0mm x 679.8mm



Operating Temperature

5°C to 35°C (41°F to 95°F)

Non-operating Temperature

-40°C to 70°C (-40°F to 158°F)

Operating Relative Humidity

8% to 90%RH

Non-operating Relative Humidity

5% to 90%RH



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