

SV2080A

Density Optimized 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 card to provide high bandwidth and ultra-low latency for data intensive applications, bringing the server networking to the next level.

Application

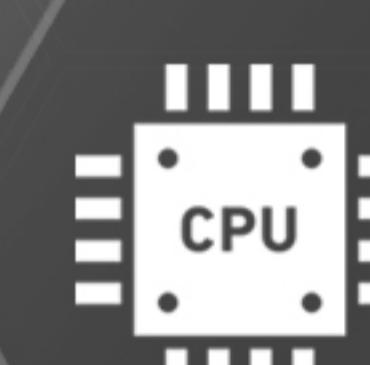
-  Hyperscale Data Center
-  Database
-  Software-defined Storage
-  Hyper-converged Infrastructure
-  Enterprise Application Server

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.

Hybrid Storage Configurations

To satisfy different user scenarios, the server supports various storage configurations: (1) 12 x 3.5" SATA (2) 24 x 2.5" NVMe (3) 12 x 2.5" NVMe/3.5" SATA for maximum flexibility. An optional U.2 NVMe SSD can also be installed on the rear for greater storage expansion.



8 x 3rd Generation
AMD EPYC™
Processors



64 x DDR4 RDIMM/
LRDIMM



2.5"/3.5"
SATA/NVMe Drives



1+1 Redundancy,
Platinum Level



2U Rackmount

High-speed PCIe Expansion Capability

Supporting PCIe Gen4 x16, the product offers a superior bandwidth of 32 GB/s, twice that of PCIe Gen3 x16, to realize the potential of expansion capability for versatile I/O options.

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Specifications



North America: +1 408-727-8060



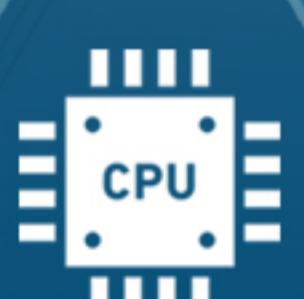
Email: Sales@ingrasys.com

ingrasys®

Processor

One/Two* 2nd/3rd Generation AMD EPYC™ Processor(s) per Node, up to 32 Cores, 180W (TDP)

*SKU 1: One Processor; SKU 2 & 3: Two Processors



Memory

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



Storage

Front

- SKU 1: 12 x 2.5"/3.5" Hot-swap SATA Drives per Chassis (3 x Drives per Node)
- SKU 2: 24 x 2.5" Hot-swap U.2 NVMe Drives per Chassis (6 x Drives per Node)
- SKU 3: 12 x 3.5" Hot-swap SATA or 2.5" Hot-swap NVMe Drives per Chassis (3 x Drives per Node)



Internal

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

Rear

- 1 x 2.5" Hot-swap 7/15mm U.2 NVMe SSD per Node
(Optional for Single Processor Configuration, Occupy One PCIe LP Slot)



Front Panel (per Node)

- 1 x Power Button with LED
- 1 x UID Button with LED
- 1 x System Health LED



Rear Panel (per Node)

- 1 x RJ45 for BMC Dedicated Management
- 1 x VGA
- 2 x USB 3.0
- 1 x UID Button with LED



TPM

- 1 x TPM 2.0 Module per Node



Expansion Slots

Up to 2 x PCIe Gen4 x16 LP Slots per Node (by SKU)
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 PSU
(2200W for Single Processor Configuration)



Fans

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



Certification

FCC/CE/UL/CB/BSMI



Chassis Dimensions (H x W x D)

3.42" x 17.6" x 33.17" /
87.0mm x 447.0mm x 842.4mm



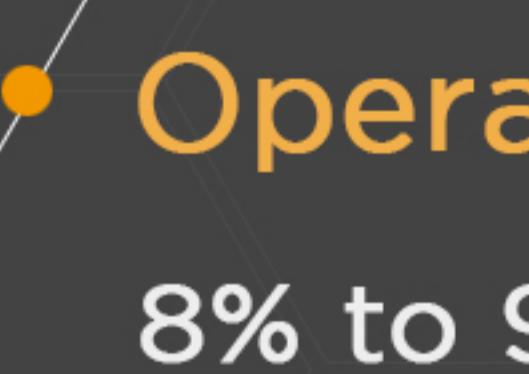
Operating Temperature

5°C to 35°C (41°F to 95°F)



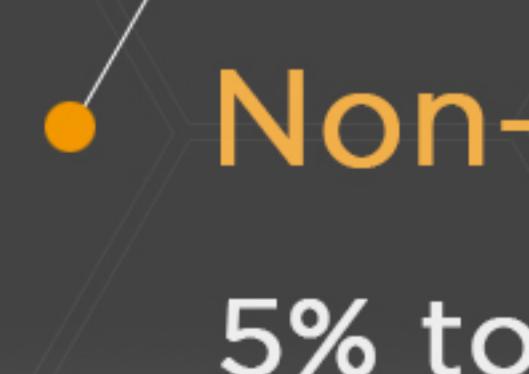
Non-operating Temperature

-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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