

Hyve Jade Custom AI Network Switch

Ultra-high Performance & Low-latency Network Switch for Next-Gen Data Centers and Open Compute Environments

Key Features

- › 64 x 800GbE OSFP Ports
- › Switching Capacity 51.2 Tbps
- › 2RU fixed form factor, air-cooled
- › Designed for AI/ML clusters, cloud computing, large-scale enterprise
- › Supports ultra-high performance, low latency and high reliability
- › Advanced adaptive routing, dynamic load balancing and lossless low-latency forwarding
- › Support for Clos and non-Clos topologies such as Dragonfly
- › Open Network Install Environment (ONIE) software installer
- › Compatible with Open Source NOS including SONiC



Specifications

CPU & Storage

Modular CPU: Intel® Xeon® 6 Granite Rapids-D HCC
Memory: DDR5 16GB
Storage: 128GB M.2 2230 NVME SSD

Optional

BMC (Optional): AST2600
TPM 2.0 (Optional): Infineon OPTIGA TPMSLB9673

Switching

Switch ASIC: Broadcom BCM78900 (Tomahawk 5)
Switching Capacity: 51.2 Tbps
Packets/Sec: 20.3 Bpps
Packet Buffer: 65.2MB
Data Ports: 64 x 800GbE OSFP
Data Port Support: 1 x 800G, 2 x 400G, 4 x 200G, 8 x 100G
 100G PAM4, 50G PAM4, 25G NRZ
 512 x 100G SerDes

Management

Management Port: 2x SFP28
Console Port: 1x RJ-45 1000Base-T
 1 x RJ-45 Serial Console

Thermal

Thermal Solution: Air Cooled, Front-to-Rear
System Fan: 4x Sunon Fans
 3+1 redundant & hot-swappable

Power

Power Supply: 2x Delta 3200W PSUs
 1+1 redundant & hot-swappable
Max/Typical Power: 2565 W / 2050 W

Power Supply

Model: Delta 3200W
Input Connector: C20
Output Power: 1080 W@90~140 Vac
 2436 W@180~229 Vac
 3168 W@230~264 Vac
Input Voltage: 90~264 V
Frequency: 47~63 Hz
Typical Input Current: 16A/250Vac

Environmental

Operation Temperature: 0 to 40 C
Storage Temperature: -30 to 60 C
Operating Humidity: 10% to 90% RH (Non-condensing), 28 C max wet bulb
Altitude: 0-3000 m

Compliance

EMC: FCC Class A
 EN 55032
 EN IEC 61000-3-2:2019
 EN 61000-3-3
 EN 55035 EN 300 386
 EN 62368-1:2014 + A11:2017
 IEC 62368-1:2014
Safety: UL (CSA 22.2 No 62368-1; UL 62368-1)
 CB (IEC/EN 62368-1)

Certifications: CE (European Union)
EU Certifications: 2012/19/EU WEEE Directive
 2011/65/EU RoHS Directive

Mechanical

Dimensions (W x D x H): 438 x 650 x 87.3mm
Weight: 23 kg

Software

NOS: ONIE, SONiC compliant



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