



# Hyve Jade

## Custom AI Network Switch

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

Build high-bandwidth fabrics with predictable behavior. Hyve Jade provides 64x 800GbE ports and 51.2 Tbps switching capacity in a 2RU air-cooled design, supporting lossless low-latency forwarding and open NOS deployment via ONIE/SONiC.

## 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

## System Specifications

CPU & Storage	Switching	Compliance
Modular CPU: Intel® Xeon® 6 Granite Rapids-D HCC Memory: DDR5 32GB Storage: 128GB M.2 2230 NVME SSD	Switch ASIC: Broadcom BCM78900 (Tomahawk 5) Switching Capacity: 51.2 Tbps Packets/Sec: 20.3 Bpps Packet Buffer: 168MB 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	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
<b>Optional</b> BMC (Optional): AST2600 TPM 2.0 (Optional): Infineon OPTIGA TPMSLB9673	<b>Power Supply</b> Power Supply Model: 3200W Input Connector: C20 Output Power: 2436 W@180~229 Vac 3168 W@230~264 Vac Input Voltage: 200 - 240V Frequency: 50~60Hz Typical Input Current: 16A/250Vac	<b>Thermal</b> Thermal Solution: Air Cooled, Front-to-Rear System Fan: 4x Sunon Fans 3+1 redundant & hot-swappable
<b>Management</b> Management Port: 2x SFP28 Console Port: 1x RJ-45 1000Base-T 1 x RJ-45 Serial Console	<b>Software</b> NOS: ONIE, SONiC compliant	<b>Environmental</b> 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
<b>Mechanical</b> Dimensions (W x D x H): 438 x 650 x 87.3mm Weight: 23 kg		
<b>Power</b> Power Supply: 2x 3200W PSUs 1+1 redundant & hot-swappable		