

Hyve Solutions NexLink™

Management Switch



Out-of-Band (OOB) and Console Server Switch for SONiC and Custom NOS Deployments

Hyve Solutions NexLink™ Management Switch combines 24x RJ45 console serial ports, 24x 1GbE RJ45 ports, and 4x 25GbE SFP28 uplinks in a 1RU air-cooled design, with open NOS deployment via ONIE and SONiC.

Key Features

- 24 x RS232 RJ45 Console Serial Ports
- 24 x 10 / 100 / 1000MbE RJ45 Ports + 4 x 10 / 25GbE SFP28 Ports
- Maximum Bandwidth: 180 Gbps
- Open Network Install Environment (ONIE) Software Installer
- Compatible with Open Source NOS Including SONiC

System Specifications

CPU & Storage

CPU: Marvell CN9130
Quad Core ARMv8 Cortex-A72 CPU
Memory: DDR4 8GB
Storage: 64GB eMMC 5.1

Optional

TPM 2.0: Infineon OPTIGA TPMSLB9672
RTC

Management

Management Port: 1x RJ-45 1000BaseT
Console Port: 1x RJ-45 Serial
Storage Port: 1x USB-C

Mechanical

Dimension (W x D x H): 438 x 356 x 43.5mm
Weight: 5.3 kg

Thermal

Thermal Solution: Air Cooled, Front-to-Rear
System Fan: 2x Sunon Fans
1+1 Redundant & Fixed-type

Switching

Switch ASIC: Marvell 98DX3500 (AlleyCat 5X)
Maximum Bandwidth: 180 Gbps
Forwarding Rate: Full Wire Speed (@64B packets)
Multicast Traffic: Up to 510 MPPS.
Data Ports:
24 x 1G RJ45 Downlink Port;
4 x 25G SFP28 Uplink Port

Power

Power Supply: 2 x 150W PSUs
1+1 Redundant & Hot-swappable
Max Power: 90W

Power Supply

AC Input Voltage: 100~240 Vac, 50~60 Hz
Typical Input Current: 3-1.5A
AC Input Connector: C14
DC Input Voltage: -36 ~ -72 Vdc
Typical Input Current:
6A/-36Vdc ~ 1.8A/-72Vdc
DC Input Connector:
TERM BLOCK HDR 3POS 5.08MM
Output Power: 12.5A/12V, 150W Max

Software

NOS: ONIE, SONiC Compliant

Compliance

EMC: FCC Class A
AS/NZS CISPR32
EN 300 386
EN 55032
EN 55035
EN/IEC 61000-3-2
EN 61000-3-3
FCC Part 15B
ICES-003
VCCI CISPR32
GR-63-CORE: 78dBA

Safety

AS/NZS 62368-1
CSA C22.2 No. 62368-1
EN/IEC/UL 62368-1

Certifications

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

Environmental

Operation Temperature: 0 to 45 C
Storage Temperature: -30 to 60 C
Operating Humidity: 10% to 90% RH (Non-condensing), 28 C Max Wet Bulb
Altitude: 0-1000m

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