Navijin

DATASHEET

DATA CENTER SWITCHING / DATA CENTER SWITCH

NJD-9808

PRODUCT PAGE

8-slot modular data-center switch, up to 128 × 100G

Enterprise & government data centers

Cloud & hosting providers

AI / GPU clusters

Storage networks (RoCE)

NJD-9808



25.6T	128 × 100G	8
SWITCHING	MAX.	LINE-CARD SLOTS

Overview

The Navijin NJD-9808 (8-slot modular data-center switch, up to 128 × 100G) is part of the Navijin Data Center Switching family. Modular 100G spine: grow from 16 to 128 × 100G ports by adding line cards. It is supplied with warranty, local RMA and technical support through Navijin's Dubai hub and authorised partners.

Key Features

- VXLAN, EVPN and M-LAG for leaf-spine fabrics and large Layer-2 domains
- Lossless Ethernet for RDMA/AI clusters: PFC, ECN, WRED and PFC deadlock detection
- BGP/BGP+ with ECMP, UCMP, policy routing and resilient hashing
- Automation: ZTP, NETCONF, RESTCONF/YANG and on-box Python 3
- Hitless operation: ISSU in-service upgrades, hot patches and millisecond BFD failover
- Redundant hot-swap power and fans (N+1), front-to-back airflow, BMC management

Specifications

Slots	8 line-card slots, supervisor, 6 fan modules
Ports (max.)	128 × 100G QSFP28 with 16-port line cards

Switching capacity	25.6 Tbps
Forwarding rate	19,000 Mpps
Power	4 hot-swap slots (2+2); 100–264 V AC, 50/60 Hz or 190–310 V HVDC
Max. power	< 2600 W
Cooling	6 hot-swap fans (N+1), front-to-back airflow
Dimensions	442 × 800 × 175 mm
Operating temp.	0 – 40 °C, 10 – 90 % RH non-condensing

More features

Also included

- Visibility: sFlow, SPAN/ERSPAN mirroring and per-port pps/bps counters
- Ethernet OAM (802.3ah, 802.1ag, Y.1731) for end-to-end monitoring
- GRE tunnels, NAT and data-plane ACLs (ingress/egress, L3/L4)
- IEEE 802.3az Energy Efficient Ethernet and intelligent fan speed control

Ordering Information

MODEL	DESCRIPTION
NJD-9808	8-slot chassis with supervisor, 6 fan modules and 4 power supplies
NJD-98-16C	Line card, 16 × 100G QSFP28

Warranty & support Local RMA and technical support through our regional hub in Dubai and our authorized partners. Certificates and project pricing on request. **navijin.com · sales@navijin.com**

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