Navijin

DATASHEET

DATA CENTER SWITCHING / DATA CENTER SWITCH

NJD-3448Y

1U data-center switch, 48 × 25G + 8 × 100G

PRODUCT PAGE

Enterprise & government data centers

Cloud & hosting providers

AI / GPU clusters

Storage networks (RoCE)

NJD-3448Y



4T	48 × 25G	8 × 100G
SWITCHING	SFP28	UPLINKS

Overview

The Navijin NJD-3448Y (1U data-center switch, 48 × 25G + 8 × 100G) is part of the Navijin Data Center Switching family. 25G server-access leaf with 100G uplinks for virtualised and storage workloads. It is supplied with warranty, local RMA and technical support through Navijin's Dubai hub and authorised partners.

Key Features

- VXLAN with BGP EVPN control plane: automatic VTEP discovery, tunnel set-up and VNI mapping; spine or leaf role
- M-LAG multi-chassis link aggregation for active-active dual-homed servers
- Lossless Ethernet for RDMA/RoCE storage: PFC, ECN and PFC deadlock detection
- Full L3: static, RIP, OSPF, IS-IS, BGP, policy routing, ECMP, BFD and graceful restart
- IPv6: OSPFv3, BGP4+, RIPng, MLD snooping, DHCPv6 and 6to4/ISATAP tunnels
- SDN ready: OpenFlow and NETCONF

Specifications

Ports	48 × 25G/10G SFP28, 8 × 100G QSFP28 (40G compatible)
Management	1 × console, 1 × GE out-of-band, 1 × USB 2.0

Switching capacity	4 Tbps
Forwarding rate	3,000 Mpps
Power	2 hot-swap power slots, 2 × AC supplies included; 100–240 V AC, 50/60 Hz or −36 to −72 V DC
Cooling	4 fan slots
Dimensions	442.5 × 400 × 44.5 mm (1U)
Operating temp.	−10 – 50 °C, 10 – 90 % RH non-condensing

More features

Also included

- 4K VLANs, QinQ, VLAN mapping, private VLAN; STP/RSTP/MSTP and ERPS rings
- Security: L2–L4 ACLs, DDoS/SYN/UDP flood protection, 802.1X, RADIUS/TACACS+, DHCP snooping, uRPF
- QoS with SP/WRR queues, WRED, CAR, shaping and DSCP/802.1p remarking
- Management via console, SSH, web, SNMP v1/v2c/v3, RMON and sFlow

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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