Navijin

DATASHEET

CORE SWITCHING / L3 CHASSIS SWITCH

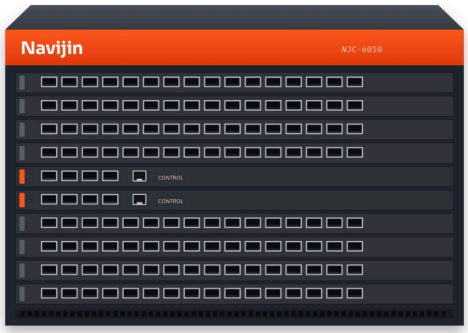
NJC-6010

10-slot core chassis switch, 12U

PRODUCT PAGE

Campus & hospital cores | Hotels, malls & airports | ISP & metro aggregation | Utilities & oil and gas

NJC-6010



8	2	12U
LINE-CARD SLOTS	SUPERVISORS	HEIGHT

Overview

The Navijin NJC-6010 (10-slot core chassis switch, 12U) is part of the Navijin Core Switching family. High-capacity carrier-grade core: 8 line-card slots incl. XGS-PON and 100G uplink cards. It is supplied with warranty, local RMA and technical support through Navijin's Dubai hub and authorised partners.

Key Features

- Distributed multi-stage switching fabric with line-rate, non-blocking L2/L3 forwarding between cards
- Virtual switching system: cluster two chassis into one logical switch with a single management IP
- Full redundancy: dual supervisors, redundant power and fans, every module hot-swappable
- ISSU in-service upgrades and graceful restart for OSPF/BGP: no traffic loss during upgrades or failover
- 50 ms carrier-grade recovery with BFD, ERPS rings, VRRP and LACP
- L2/L3 MPLS VPN for multi-tenant campuses, utilities and service-provider cores

Specifications

Slots	10: 2 supervisor + 8 line-card slots
Port types	GE, 10G SFP+, 40G QSFP+, 100G QSFP28, GPON, XGS-PON

Platform	40G platform; L2/L3 line-rate switching; MPLS VPN; virtual switching system
Power	3 power slots; 100–240 V AC or –48 V DC; 1300 W supplies for XGS-PON cards
Dimensions (W × D × H)	482 × 370 × 530 mm (12U)
Weight (empty)	25.5 kg
Operating temp.	0 – 40 °C, 10 – 90 % RH non-condensing

More features

Also included

- Complete routing: OSPF, IS-IS, BGP, policy routing; full IPv6 (OSPFv3, BGP4+, RIPng, MLD)
- L2/L3 multicast (IGMP/PIM, MLD) for IPTV, video surveillance and conferencing
- Ethernet OAM (802.3ah, 802.1ag, Y.1731), sFlow traffic analysis
- IEEE 802.3az Energy Efficient Ethernet and intelligent power management

Ordering Information

MODEL	DESCRIPTION
NJC-6010	10-slot chassis with fan tray, 3 power slots (supervisors and supplies ordered separately)
NJC6-MSU-I	Supervisor module, type I
NJC6-MSU-II	Supervisor module, type II
NJC6-PA350	350 W AC power supply
NJC6-PD350	350 W DC power supply
NJC6-PA550	550 W AC power supply
NJC6-PD550	550 W DC power supply
NJC6-PA1300	1300 W AC power supply
NJC6-PD1300	1300 W DC power supply (36–72 V)
NJC6-24GS24GT	Line card, 24 × GE SFP + 24 × GE RJ45
NJC6-48GT	Line card, 48 × GE RJ45
NJC6-48GS	Line card, 48 × GE SFP
NJC6-24GS8XS	Line card, 24 × GE SFP + 8 × 10G SFP+
NJC6-24GT8XS	Line card, 24 × GE RJ45 + 8 × 10G SFP+
NJC6-16XS	Line card, 16 × 10G SFP+
NJC6-4QS	Line card, 4 × 40G QSFP+
NJC6-16GP	GPON OLT card, 16 × GPON + 4 × GE SFP + 4 × GE combo + 4 × 10G SFP+
NJC6-16XGS	XGS-PON OLT card, 16 × XGS-PON (GPON compatible) + 8 × 10G SFP+ + 2 × 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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