



NADDOD N6400H Series Switches

Product introduction

Naddod N6400H series switches are new generation high-performance, high-density port, low-latency Ethernet switches, which are launched by Naddod Network. The switches are suitable for abundant scenarios such as artificial intelligence, distributed memory, high-performance computation, multi-site cloud center network, etc., and can fully meet the high-performance, high-usability, intelligentized and visualized network demands of users.

Features and advantages

Naddod N6400H series switches are mainly featured by:

Constructing new generation cloud center network:

- Naddod N6400H series switches can provide 128x100G ports at most, L2/L3 full line speed forwarding, and meet the evolution demand of new generation cloud center. Naddod N6400H series switches may be used as the core and aggregation switches of cloud center and edge network.

Large cache, smoothly absorbing the burst traffic:

- The switches have 65M large cache, effectively deal with burst traffic and big data packet transmission, and reduce packet loss.
- The cache modes can be set. Different cache modes can be set based on businesses to adapt to different scenarios.

Low-latency, constructing lossless network:

- Naddod N6400H series switches support PFC/ECN and other network traffic control technologies, construct end-to-end, lossless, low-latency forwarding RDMA (Remote Direct Memory Access)

basic bear-network, and meet the network deployment requirements of application scenarios such as artificial intelligence, high-performance computation, distributed memory, big data, etc.

High reliability, imperceptible fault business

- Naddod N6400H series switches support M-LAG (Multi-chassis Link Aggregation Group), can realize the link aggregation among a number of devices and thereby ensure device-level links to form a dual-active system, which brings significantly advantages in scalability, reliability, overall architecture and usability.
- Unique control plane is designed to be independent and separated from the forwarding plane. The fault domain is isolated. When a switch fails, all data will be transmitted through another switch to ensure high reliability of your network. Even during the upgrade progress, each node of M-LAG is upgraded independently, and client won't be aware of business interruption. This provides low risk and fast efficiency.
- N6400H has independent BMC module design, can monitor the CPU, memory and other information of devices, and can monitor the state of devices even during the device reboot.

32 ports 100G business board

- NDD-N6400H-M32C business boards provide 40G and 100G Ethernet ports. Each 100G Ethernet board provides 32x40/100G Ethernet ports, and the switch can support 128x40G/100G Ethernet ports at most.

28 ports 10G+8 ports 100G business board

- NDD-N6400H-M8C28X business boards provide 10G and 100G Ethernet ports. Each Ethernet board provides 28x10G ports and 8x40/100G Ethernet ports, and the switch can support 112x10G ports and 32x100G ports at most.



*All business boards are hot-pluggable

Product specifications

Part No.	N6400H
Business slot	4
Business Port	Max 128*40/100G QSFP28 ports or 112*10G SFP+ ports and 32*40/100G QSFP28 ports
Fan Module	front-rear intake and exhaust
Device virtualization	Support Multi-chassis Link Aggregation Group (M-LAG)

Part No.	N6400H
Flow monitoring	Support SFlow
VLAN	Support Access, Trunk and Hybrid mode Support default VLAN
MAC features	Support MAC address automatic learning and aging Support Static and dynamic and black hole MAC Support MAC address flapping detection Support MAC address learning limit based on port and VALN
IP routing	Support IPv4: static routing, RIP, OSPF, BGP Support IPv6: static routing, RIPng, OSPFv3, BGP4+
IPv6 features	Support IPv6 ND (Neighbor Discovery) Support NDP Support IPv6 Ping、IPv6 Tracert、IPv6 Telnet Support IPv6 ACL Support ICMPv6
Multicasting	Support Multicasting protocols such as IGMP, PIM-SM, PIM-DM Support IGMP Snooping Support IGMP Proxy
QoS/ACL	Support Speed limit to the inbound and outbound Support 8 queues per port Support The queue scheduling modes: SP, WDRR, SP+WDRR Support Port/VLAN/flow-based flow monitoring Support Re-marking of the 802.1p and DSCP priority of packets Support L2 (Layer 2)–L4 (Layer 4) packet filtering function. Provides the packet filtering function Based on source MAC address, destination MAC Support address, source IP address, destination IP address, source/destination interface number for the TCP/UDP protocol, protocols and VLAN Support CAR Support WRED
Reliability	Support LACP Support STP、RSTP 和 MSTP Support M-LAG Support VARP Support VRRP
Security	Support Hierarchical command line protection, unauthorized users cannot log in Support Defense the attack of DDOS, ARP and ICMP Support Port isolation and port security Support IP+MAC+port+VLAN Combination bundling Support IEEE 802.1X authentication Support AAA authentication, RADIUS authentication, TACAS+ authentication
Management and maintenance	Support Command line interface (CLI) configuration Support Terminal services such as console, Telnet, SSH, etc. Support SNMP v1/v2c/v3 and other network management protocols

Part No.		N6400H
		Support Ping, traceroute Support Uploading and downloading files through FTP and TFTP Support RMON Support system logs, hierarchical alarms Support Power supply, fan and temperature alarms
Chassis size (H×W×D)		17.5 x 44.8 x 80 cm
Weight		53 kg
Input voltage	AC	90~132V, 180~264V, 50~60Hz
	DC	180~300V HVDC
Environmental requirements		Operating temperature: 0°C~40°C Stocking temperature: -40°C~70°C Operating humidity: 5%~95%
Typical/Max Power		955W / 1080W

Ordering information

Part No.	Product Description
N6400H	N6400H chassis, 4 slots, redundant power supplies and fans
N6400-M32C	N6400H line card, 32*40/100G QSFP28 ports
N6400-M8C28X	N6400H line card, 28* 10G SFP+ ports and 8*100G QSFP28 ports

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2. Nothing herein should be construed as constituting an additional warranty.

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