



## NADDOD N6100 Series Switches

### Product introduction

Located at the Leaf layer of the scenarios of traditional cloud center and SDN cloud center, Naddod N6100 series switches are new generation 10G cloud center network switch devices, which are launched by Naddod Network for cloud center network. This series switches flexibly adapt to high-performance computation, artificial intelligence, SDN cloud network integration and other scenarios, as well as distributed memory, multi-site center network and other scenarios, and their abundant center network features can fully meet the demand of high-performance, high-usability and high-quality network of the new generation cloud center network.

### Features and advantages

#### High-density access:

- Naddod N6100 series switches can provide 48 10G ports and 8 40/100G QSFP28 ports at most, L2/L3 full line speed forwarding, and can meet the evolution demand of new generation cloud center as 10G TOR switches of the cloud center.

#### Strong routing, abundant business processing capacity:

- Naddod N6100 series switches have abundant IPv4/IPv6 routing function, support RIP, OSPF, BGP and other layer 3 protocols, have IGMP v1/v2/v3, IGMP snooping, PIM and other impeccable multicast protocols, and meet the diversified application demands of abundant business scenarios of cloud center network and edge network.

#### Low-latency, constructing lossless network:

- Naddod N6100 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 N6100 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.
- Naddod N6100 series switches support hot-pluggable power supply, fans, etc., adopt redundant backup design scheme for all key parts, and significantly improve the stability and reliability of the switches.

## Product specifications

### Hardware specifications

Part No.		Product Description
Fixed ports		48*10G SFP+ ports, 8*40/100G QSFP28 ports
Input voltage	AC	Operating voltage: 100 ~ 240V; 50~60Hz Maximum voltage: 90 ~ 264V; 47~63Hz
	DC	240V HVDC
Power supply Module		2
Fan Module		5, hot-pluggable, front-rear intake and exhaust
Chassis size (H×W×D)		440 x 450 x 436mm
Weight		10kg
Power supply Power		550W
Chassis Power		MIN: 120W, MAX: 320W
Operating temperature range		0 to 45 °C
Operating humidity		5%~95%

## Software specifications

Part No.	Product Description
<b>Device virtualization</b>	Support Multi-chassis Link Aggregation Group (M-LAG)
<b>VLAN</b>	Support Access、Trunk、Hybrid mode Support VLAN division based on MAC, IP and protocol Support default VLAN
<b>MAC features</b>	Support MAC address automatic learning and aging Support Static and dynamic and black hole MAC Support MAC address learning limit based on port and VALN
<b>DHCP</b>	Support DHCP Server and DHCP Client Support DHCP Snooping and DHCP Relay Support DNS
<b>ARP</b>	Support ARP、RARP、free ARP Support Dynamic ARP Inspection Support ARP proxy Support ARP aging
<b>IP routing</b>	Support IPv4: Static routing, RIPv1&v2, OSPF, BGP, ECMP, PBR, uRPF detection and VRF Support IPv6: Static routing, RIPv6, OSPFv3, ICMPv6, NDP
<b>IPv6 features</b>	Support IPv6 ND (Neighbor Discovery) Support NDP Support IPv6 Ping、IPv6 Tracert、IPv6 Telnet Support IPv6 ACL Support ICMPv6
<b>Multicasting</b>	Support Multicasting protocols such as IGMP, PIM-SM, PIM-DM Support Static Multicast Support IGMP snooping Support IGMP Proxy Support Fast leave, Layer 2 Static Multicast, MVR
<b>QoS/ACL</b>	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 Support function Based on source MAC address, destination MAC address, source IP Support address, destination IP address, source/destination interface number for the Support TCP/UDP protocol, protocols and VLAN Support WRED
<b>Reliability</b>	Support LACP

	Support STP, RSTP and MSTP Support BPDU protection, root protection, ring protection Support M-LAG Support VARP Support VRRP
<b>Security features</b>	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 watchdog
<b>Flow monitoring</b>	Support SFlow
<b>Management and maintenance</b>	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 Support Ping, traceroute Support Uploading and downloading files through FTP and TFTP Support system logs, hierarchical alarms Support Power supply, fan and temperature alarms Support Web network management Support NTP

## Ordering information

Part No.	Product Description
N6100-48X8C	N6100-48X8C switch, with 48*10G SFP+ ports and 8*40/100G QSFP28 port, 4+1*Redundant fans, 2*power supplies, system OS.

## Further Information:

---

Web [www.naddod.com](http://www.naddod.com)

Email For order requirements: [sales@naddod.com](mailto:sales@naddod.com)

For customer service: [support@naddod.com](mailto:support@naddod.com)

For technical support: [tech@naddod.com](mailto:tech@naddod.com)

For cooperation: [agency@naddod.com](mailto:agency@naddod.com)

For technical support: [tech@naddod.com](mailto:tech@naddod.com)

## Disclaimer

---

1. We are committed to continuous product improvement and feature upgrades, and the contents contained in this manual are subject to change without notice.

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

3. NADDOD assumes no responsibility for the use or reliability of equipment or software not provided by NADDOD.

Copyright © NADDOD.COM All Rights Reserved, 2022