



NADDOD S2100P Series Switches

Product introduction

Naddod S2100P series switches are new generation 1G green energy saving Ethernet switches launched by Naddod Network. The switches provide flexible 1G POE accesses and 1G uplink interfaces. With intelligent PoE management, abundant security control, Naddod S2100P series switches are widely used in the access businesses of the enterprise and edge networks, delivering flexible networking and easy maintenance.

Features and advantages

Naddod S2100P series switches are featured by:

- 8 1G Ethernet ports that support line speed forwarding
- 1G fiber interface uplink
- Standard 802.3af、802.3at power supply technology
- Impeccable security control strategy
- Flexible Ethernet networking capacity
- 802.1X authentication function

◆ Abundant security features

Naddod S2100P series switches provide a series of security functions, which may limit the access to network and reduce the threat, including:

- Naddod S2100P series switches support various access control technologies and user authentication security technologies of ACL, Dot1X, Radius, TACACS+, and are

able to flexibly adapt to the multiple-authentication demands of network environment.

- Naddod S2100P series switches support abundant ARP defense function, such as dynamic ARP detection, realize user legality check function and ARP message validity check function, and avoid the impact of a large number of ARP messages on CPU through ARP rate-limit, etc.
- Through establishing and maintaining DHCP Snooping binding table, Naddod S2100P series switches directly discard the illegal messages that fail to meet the items in the table. Taking advantage of reliable port feature of DHCP Snooping, Naddod S2100P series switches ensure the legality of DHCP server.

◆ Easy operations and maintenance management

- Naddod S2100P series switches support SNMP v1/v2c/v3, SFlow v4/v5, CLI command line, Telnet, in-band and out-of-band management, delivering various management modes and easy maintenance, and support SSH2.0 and other ways of encryption, making management safer.
- This series switches support RMON and port traffic statistics, which is convenient for network optimization and transformation.

◆ High-reliability design

Naddod S2100P series switches provide a large number of redundant and recovery functions, and have high-reliability design:

- This series switches support Spanning Tree Protocol (STP), IEEE 802.1s/w Rapid Spanning Tree Protocol (RSTP) and Multiple Spanning Tree Protocol (MSTP), and support simple rings, tangent rings, intersecting rings and many other networking ways.
- This series switches support loop detection function, automatically find and eliminate loops, and ensure the stable operation of network.
- This series switches support manual and static LACP link aggregation function, realize the backup of uplink, and significantly improve the reliability of devices on the access side and the link-level reliability.

Product specifications

Part No.	NADDOD S2100P
Fixed ports	8*10/100/1000M RJ45 PoE ports, 2*1G SFP ports
Management ports	1*RJ45 Console port
MAC address table	8K MAC address capacity
MAC features	Support MAC address automatic learning and aging Support Static and dynamic and black hole MAC Support MAC address learning limit based on port and VLAN Support Package filtering based on source MAC address
VLAN	Support 4K VLAN Support Default VLAN Support Voice VLAN Support Guest VLAN
Jumbo Frame	Support MTU adjustment
Ring network protection protocol	Support STP/RSTP/MSTP, MRSTP (Multi-process RSTP) Support BPDU protection, root protection Support Ring detection protection
Reliability	Support Manual aggregation Support Static LACP Support Smart Link
IP routing	Support Static Routing Support Static and Dynamic ARP table, ARP table aging Support ARP Proxy
Multicasting	Support IGMP v1/v2 Snooping and fast quit mechanism Support MAC based L2MC Support Static Multicasting group Support IGMP Proxy
DHCP	Support DHCP Client Support DHCP Relay
mirroring	Support Local mirroring (based on port or VLAN) Support Remote port mirroring
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 Re-marking of the 802.1p and DSCP priority of packets Support Flow classification, based on MAC address and 5-element group

Security features	<p>Support User authority classification management and password protection</p> <p>Support 801.X authentication</p> <p>Support ARP attack defense, CPU protection</p> <p>Support ACL filtering</p> <p>Support Defense DDOS attack</p> <p>Support AAA authentication, RADIUS authentication, TACAS+ authentication</p> <p>Support MACsec</p> <p>Support SSH V2.0</p> <p>Support SFTP</p> <p>Support Dynamic ARP detection, prevent middleman attacks and ARP denial of service</p> <p>Support BPDU guard, Root guard</p>
Management and maintenance	<p>Support Command line interface (CLI) configuration</p> <p>Support Terminal services such as console, Telnet, SSH, etc.</p> <p>Support SNMP v1/v2c/v3 and other network management protocols</p> <p>Support TELENET, SSH2.0 RMON</p> <p>Support SFlow v4/v5</p> <p>Support LLDP</p> <p>Support System logs, hierarchical alarms</p> <p>Support Ping</p> <p>Support NTP</p> <p>Support Port loopback</p> <p>Support Port ring detection</p>
PoE	<p>Support IEEE 802.3af, IEEE 802.3at standard power supply, max 30W per port</p> <p>Support Provide mandatory power supply mode for non-standard PD</p> <p>Support PoE power management function, including enable/disabling interface power supply, interface output power configuration, power supply priority configuration, power overload protection, over-temperature protection</p> <p>Support Permanent PoE capability for uninterrupted power supply to connected devices, even when the switch is powered on</p>
Lightning protection	<p>4KV</p>
Input voltage	<p>AC: 100 ~ 240, 50Hz/60Hz</p>
Max power	<p>150W (POE:124W)</p>
Energy saving and environmental protection	<p>IEEE 802.3az Ethernet EEE energy saving</p>
Environmental requirements	<p>Operating temperature: 0°C~45°C</p> <p>Operating humidity: 5%~95% (No condensation)</p>
Chassis size (H×W×D)	<p>43.5 x 320 x 208 mm</p>

Ordering information

Part No.	Product Description
NADDOD S2100P	Naddod S2100P switch, 8*10/100/1000M RJ45 ports (802.3af/802.3at Power Supply Standard), 2*1G SFP ports, 1*220V AC power supply, system OS.

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