

SN-NSW10P8A

8-Port Gigabit Managed PoE Switch



Key Features

- 8 × Gigabit PoE+ ports, IEEE 802.3af/at
- 2 × Gigabit SFP uplink ports
- Up to 30 W per PoE port, 130 W PoE budget
- L2+ management with IPv4 static routing
- VLAN, STP/RSTP/MSTP, LACP, QoS and ACL
- Web, CLI, SNMP and SSH management

Specifications

Hardware	
Ports	8 × 10/100/1000Base-T RJ45 ports (Data/Power) 2 × 100/1000Base-X SFP fiber optical ports (Data) 1 × Console RS232 port (115200, N, 8, 1)
Console Port	RS232 Console Port
LED Indicators	PWR (Green), SYS (Green), Link (Yellow), L/A (Green), PoE (Green)
Switching Capacity	128 Gbps
Packet Forwarding Rate	14.88 Mpps @64 byte
MAC Address Table	8K
Packet Buffer	4.1 MB
Jumbo Frame	10K
Forwarding Mode	Store-and-forward (Full Wire Speed)
Ethernet	
Ethernet Standards	IEEE 802.3 10BASE-T IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3z 1000BASE-X IEEE 802.3x Flow Control
Ethernet Characteristics	Ports 1-8 support auto-detection of 10/100/1000Base-T(X), full/half duplex and MDI/MDI-X adaptive features
Transmission	10BASE-T: Cat3/4/5 UTP, ≤100 m 100BASE-TX: Cat5 or later UTP, ≤100 m 1000BASE-T: Cat5e or later UTP, ≤100 m
Optical Interface	Gigabit SFP Fiber Optical Ports
Optical Module	Optical modules not included by default; optional single-mode / multi-mode, single-fiber / dual-fiber optical modules, LC connector
Optical Distance	Multi-mode: 850 nm / 0-500 m Single-mode: 1310 nm / 0-40 km; 1550 nm / 0-120 km
PoE	
PoE Standard	IEEE 802.3af/at
PoE Ports	Ports 1-8 support PoE power supply
Max. PoE Power per Port	30 W
Total PoE Power	130 W
PoE Pin Assignment	Default: 1/2(+), 3/6(-), 4-core power supply
Network Function	
Network Capability	L2+ Managed

VLAN	Port-based VLAN (4K) IEEE 802.1Q VLAN Protocol-based VLAN Access / Trunk / Hybrid port types
Spanning Tree	STP (IEEE 802.1D) RSTP (IEEE 802.1w) MSTP (IEEE 802.1s)
Link Aggregation	LACP Static Aggregation Maximum 5 aggregation groups Maximum 8 ports per group
Multicast	IGMP Snooping v1/v2 Maximum 1024 multicast groups Fast Leave mechanism MLD Snooping v1/v2 Multicast VLAN
QoS	DiffServ QoS 8 output queues per port 802.1p / DSCP priority mapping SP / WRR / SP+WRR scheduling Priority marking and remarking Flow-based packet filtering, redirection and rate limiting Flow-based redirection Flow-based rate limiting
Port Mirroring / Isolation	Bidirectional traffic mirroring Port isolation
Loop / Storm Control	Port broadcast packet suppression
LLDP	Link Layer Discovery Protocol (LLDP)
Static Routing	IPv4 static routing/default routing Maximum 128 entries
ARP	ARP protocol support Maximum 1024 entries
DHCP	DHCP Server DHCP Client DHCP Relay DHCP Snooping
Management & Security	
Management Interface	Console / AUX Modem / Telnet / SSH2.0 CLI
Web Management	HTTPS Web management
SNMP	SNMP V1/V2C/V3
User Authentication	User classification management Password protection IEEE 802.1X port-based authentication AAA & RADIUS authentication
ACL	L2-L4 packet filtering based on MAC, IP, Protocol, TCP/UDP Port, VLAN and other parameters
Port Security	MAC Learning Limit MAC Blackhole Port Isolation IP/MAC/VLAN/Port Binding

DHCP / ARP Security	DHCP Snooping IP source address protection ARP packet rate limiting ARP intrusion detection
Network Attack Protection	DoS attack prevention Broadcast packet suppression
System Management	FTP / TFTP / Xmodem / SFTP download & management One-key recovery NTP System work log
Diagnostics	Ping Test Cable Diagnose CPU instant utilization status view
General	
Power Supply	Built-in Switching Power Supply AC 100-240 V, 50/60 Hz, 2.3 A
Power Consumption	Idle: <8 W, Full Load: <120 W
Operating Temperature	-20 °C to +55 °C (-4 °F to +131 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Humidity	Operating: 5%-90% RH (Non-condensing) Storage: 5%-95% RH (Non-condensing)
Dimensions	270 × 181 × 44.5 mm (W × D × H)
Net Weight	1.2 kg
Gross Weight	1.7 kg
Protection	Surge Protection: 4 kV 8/20 μs Protection Class: IP30
Compliance	CE mark FCC Part 15 Class B RoHS CE/LVD EN60950