



SN-NSW10P8C

8 Ports Gigabit Managed Ethernet PoE Switch



Key Feature

- 8 × Gigabit PoE port, 2× Gigabit fiber optical port
- Conform IEEE802.3, IEEE802.3u, IEEE802.3ab/z and IEEE802.3x standards
- Support 802.1Q VLAN
- Support cable detection
- Support DHCP Snooping
- IP30 rating with intrusion and moisture protection.
- 4KV Surge Protection

Specification

Ports Parameters	
Ports	8 × Gigabit PoE ports (Data/Power) 2 × Gigabit SFP fiber optical ports (Data)
Ethernet Characteristics	Ports 1-8 support auto-detection of 10/100/1000Base-T(X) and full/half-duplex MDI/MDI-X adaptive features
Transmission	10 BASE-T: Cat3,4,5 UTP (≤ 100 meter) 100 BASE-TX: Cat5 or later UTP (≤ 100 meter) 1000 BASE-T: Cat5e or later UTP (≤ 100 meter)
Optical Port Function	Gigabit SFP fiber optical port, default no include optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable/Distance	Multi-mode: 850nm / 0 to 500m Single-mode:1310nm / 0 to 40 km, 1550nm / 0 to 120km
Network Parameters	
Communication Standard	IEEE 802.3 10 BASE-T, IEEE 802.3i 10 BASE-T, IEEE 802.3u 100 BASE-TX, IEEE 802.3ab 1000 BASE-T, IEEE 802.3z 1000 BASE-X, IEEE 802.3x
Forwarding Mode	Store forwarding (Full wire speed)
Switching Capacity	20Gbps
Packet Forwarding Rate@64byte	14.88Mbps
MAC Table Size	8K
Packet Buffer Memory	2Mbit
Jumbo Frame	9.2Kb
One-Click Restore Switch	Press and hold for 6 seconds, then release to restore to factory default settings; Press twice quickly (with a 1-second interval) to switch to non-administrative mode.
LED Indicating Lamp	Power indicator: PWR (green), System indicator: SYS (green), Network indicator: Link (yellow), Optical port: L/A (green)
PoE Power Supply	
PoE Standard	Ports 1-8 support IEEE 802.3af/at standard PoE power supply
PoE Pin Assignment	Default: 1/2(+), 3/6(-), 4 core power supply
Maximum Power Per Port	30W
Total Power/Input Voltage	120W
General	
Power Supply	Built-in power: 100–240 VAC, 50/60 Hz, 2.0 A
Power Consumption	Idle: < 5W, Full load: < 120W
Operating Temperature/Humidity	-20°C to +55°C (-4°F to +131°F), 5% ~ 90% (RH)
Storage Temperature/Humidity	-40°C to +80°C (-40°F to +176°F), 5% ~ 95% (RH)
Product Dimensions	271 mm × 181 mm × 44.5 mm (10.67" × 7.13" × 1.75") (W × L × H)

Net Weight	1.7 kg (3.75 lb)
Gross Weight	2.2 kg (4.85 lb)
Protection Level	4KV 8/20us, IP30
Safety Certification	CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS.
Software Function	
Port Management	Supports port status display Provides port traffic statistics Enables port duplex/negotiation rate configuration Supports IEEE802.3x flow control configuration (full duplex) Enables EEE energy-saving and Green Ethernet functionality
VLAN	Supports port-based IEEE802.1Q VLAN configuration (4,000 entries)
Multicast	Supports IGMP Snooping v1/v2, with a maximum of 256 multicast groups
Port Aggregation	Supports static aggregation
Port Mirroring	Supports basic port traffic mirroring
QoS	Diff-Serve QoS Each port supports 8 output queues Supports 802.1p/DSCP priority mapping Supports priority marking (Mark/Remark)
ACL	L2 to L4 packet filtering, matching first 80 bytes message. Provide ACL based on MAC, Destination MAC address, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range, VLAN, etc. ACL based on port and VLAN
Security	Supports broadcast storm suppression Supports port rate limiting Supports port isolation
DHCP	DHCP Snooping
Management and Maintenance	Supports WEB-based management (HTTPS supported). One-click restore and cable status check functionalities are available