



# SN-NSW10P8C

## 8 Ports Gigabit Managed Ethernet Switch



### Specification

Ports	
Ports	8 × 10/100/1000 Base-T RJ45 ports (Data/Power) 2 × 1000 Base-X 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	10BASE-T: Cat3,4,5 UTP (≤ 100 meter) 100BASE-TX: Cat5 or later UTP (≤ 100 meter) 1000BASE-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 ~ 500m Single-mode:1310nm / 0 ~ 40 km, 1550nm / 0 ~ 120km
Parameters	
Communication Standard	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
Forwarding Mode	Store forwarding (Full wire speed)
Layer OSI Model	Layer 2
Switching Capacity	20Gbps
Packet Forwarding Rate@64byte	14.88Mbps
MAC Table Size	8K
Packet Buffer Memory	2M
Jumbo Frame	9.2K
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	1.2kg (2.65lb)
Gross Weight	1.7kg (3.75lb)
Protection Level	4KV 8/20us, IP30
Safety Certification	CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B FCC Part 15 Class B, RoHS.

Software Function	
Port Management	<ul style="list-style-type: none"> <li>Supports port status display</li> <li>Provides port traffic statistics</li> <li>Enables port duplex/negotiation rate configuration</li> <li>Supports IEEE802.3x flow control configuration (full duplex)</li> <li>Enables EEE energy-saving and Green Ethernet functionality</li> </ul>
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	<ul style="list-style-type: none"> <li>Diff-Serve QoS</li> <li>Each port supports 8 output queues</li> <li>Supports 802.1p/DSCP priority mapping</li> <li>Supports priority marking (Mark/Remark)</li> </ul>
ACL	<ul style="list-style-type: none"> <li>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.</li> <li>ACL based on port and VLAN</li> </ul>
Security	<ul style="list-style-type: none"> <li>Supports broadcast storm suppression</li> <li>Supports port rate limiting</li> <li>Supports port isolation</li> </ul>
DHCP	DHCP Snooping
Management and Maintenance	<ul style="list-style-type: none"> <li>Supports WEB Browser -based management (HTTPS supported).</li> <li>One-click restore and cable status check functionalities are available</li> </ul>