



SN-NSW28P24B

24 Ports Gigabit Managed Ethernet PoE Switch



Key Features

- 24 × Gigabit PoE port, 4 × Gigabit fiber optical port, 1× Console RS232 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	24 × Gigabit PoE ports (Data/Power) 4 × Gigabit SFP fiber optical ports (Data) 1× Console RS232 control port
Ethernet Characteristics	Ports 1-24 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	1/10G SFP+ optical fiber port, default no include optical module (optional single-mode/ multi-mode, single fiber/ dual fiber optical module. LC)
Optical Fiber Port Expansion	Turbo overclocking 2.5G optical module expansion and ring network
Optical Cable/Distance	Multi-mode: 850nm/ 0 to 500m, 0to 300m(10G), Single-mode: 1310nm/ 0 to 40km, 1550nm/ 0 to120km
Network Parameters	
Network Management	L2+
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 802.3ae 10G BASE-LR/SR IEEE 802.3x
Forwarding Mode	Store and Forward (Full wire speed)
Switching Capacity	128Gbps (non-blocking)
Packet Forwarding Rate@64byte	95.23Mbps
CPU	800MHz
DRAM	1Gbit
FLASH	128Mbit
MAC Table Size	16K
Packet Buffer Memory	12Mbit
Jumbo Frame	12000byte
Reset Switch	Yes, press and hold the switch for 10 seconds and release it to restore the factory settings
LED Indicating Lamp	Power: PWR (Yellow), System: SYS (Yellow), Network: Link/ Act (Yellow), Fiber port: L/A (Green), PoE: PoE (Green)
PoE Power Supply	
PoE Standard	Ports 1-24 support IEEE 802.3af/at standard PoE power supply
PoE Management	PoE working status display, Port PoE on/off, af/at power distribution
PoE Pin Assignment	1/2(+), 3/6(-)
Maximum Power Per Port	30W
Total Power/Input Voltage	400W (100VAC to 240VAC)
General	
Power Supply	Built-in power: 100–240 VAC, 50/60 Hz, 5 A
Power Consumption	Idle: < 30W, Full load: < 400W
Operating Temperature/Humidity	–20°C to +55°C (–4°F to +131°F), 5% to 90% (RH)
Storage Temperature/Humidity	–40°C to +75°C (–40°F to +167°F), 5% to 95% (RH)
Product Dimensions	440 mm × 290 mm × 44.5 mm (17.32" × 11.42" × 1.75") (W × L × H)

Net Weight	4.4 kg (9.70 lb.)
Gross Weight	4.8 kg (10.58 lb.)
Protection Level	4KV 8/20us, IP30
Safety Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Software Function	
Interface	IEEE802.3x flow control (full duplex) Port exception protection mechanism Port real-time flow management (Flow Interval) Broadcast storm suppression based on port rate Optical port SFP module DDMI real-time digital diagnosis Port IEEE Green Ethernet Energy-Saving configuration and status view Limit the rate of incoming and outgoing packet traffic, with mini granularity is 16Kbps and max 1Gbps
Layer 3 Functionality	IPv4/IPv6 static routing, max 128 entries, dual-stack management L2+ network management function, ARP protocol, max 1024 entries
VLAN	VLAN based on MAC, VLAN based on the protocol Port configuration of Access, Trunk, Hybrid, GVRP VLAN protocol (4K) VLAN based on port, IEEE802.1q, Voice VLAN, QinQ configuration
Multicast	MLD Snooping, Multicast VLAN User quick log out, MVR (Multicast VLAN Registration) IGMP Snooping v1/v2/v3 and 1024 multicast groups at most
Port Aggregation	LACP dynamic aggregation, static aggregation Max 14 aggregation groups and max 8 ports per group.
Spanning Tree	STP BPDU Guard, BPDU filtering and BPDU forwarding STP (IEEE802.1d), RSTP (IEEE802.1w), MSTP (IEEE802.1s)
ERPS Ring Network Protocol	Support ERPS ring network, Recovery time less than 20ms, ITU-T G.8032
Port Mirroring	Bidirectional traffic mirroring for basic ports Supports 1-to-multiple mirroring, supports up to 4 port sessions
QoS	Queue scheduling algorithm (SP, WRR, SP+WRR) Flow-based rate limiting, Flow-based packet filtering Flow-based based redirection, 8*Output queues of each port
ACL	802.1p/ DSCP priority mapping, Diff-Serv QoS, Priority Mark/ Remark ACL distribution based on port and VLAN L2-L4 packet filtering function, matching the first 80 bytes message, and provides ACL definitions based on source MAC address, destination MAC address, source IP address, destination IP address, IP protocol type, TCP/UDP port, TCP/UDP port range, VLAN, etc.
Security	Port-based IEEE802.1X certification Port broadcast message suppression SSL ensures data transmission security Anti-DoS attack, IP source address protection Port isolation, ARP intrusion detection function Limit on the number of MAC addresses learned AAA&RADIUS certification, MAC address black hole User hierarchical management and password protection SSH 2.0 provides a secure encrypted channel for user login Host data backup mechanism, ARP message rate limiting function
DHCP	DHCP Server DHCP Client DHCP Snooping
Management	NTP clock, Link Layer Discovery Protocol (LLDP) NMS platform cluster management (LLDP+SNMP) System work log, Web network management (https) SNMP V1/V2/V3, View CPU real-time utilization status One click recovery, Ping detection, Cable status check Console/ AUX Modem/ Telnet/ SSH2.0 and CLI configuration FTP, TFTP, Xmodem, SFTP file upload and download management
System	Web browser: Mozilla Firefox 2.5 or higher, Google Chrome V42 or higher, Cat5 and above Ethernet cable TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, Mac OS X) installed on each computer in the network Cat5 and above Ethernet cable

Dimensions (mm)

