24-Port PoE Network Switch

PoE Switch

NSW242GPX

> Fully Adheres to National Defense Authorization Act (NDAA) Guidelines

> 24 x 1000Mbps RJ45 PoE ports with 370W Total Capacity

> 1 x 1000Mbps RJ45 Network ports; 1 x 1000Mbps SFP; 1 x 1000Mbps Combo

> Support PoE power up to 30W for single port

> Supports web login or cloud access by QR with remote restart of PoE ports

> Supports port power and data prioritization, power toggle on each port, and extended mode for up to 250m power and data delivery on standard network cable

> Auto detect power device with real-time monitoring and abnormal alarms

> Supports IEEE802.3x full duplex flow control and backpressure half duplex flow control

> Line-speed forwarding, intelligent identification, and topology

> Mode A delivers power on pins 1, 2, 3, and 6, and Mode B delivers power on 4, 5, 7, and 8

Specifications

PoE Network Switch	
Ports	24 × 1000Mbps PoE ports (RJ45); 1 × 1000Mbps port (RJ45) ; 1 x 1000Mbps SFP; 1 x 1000Mbps Combo
Standards	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x, IEEE802.3af, IEEE802.3at, IEEE802.3az
Switching Capacity	54Gbps
Forwarding Performance	40.176Mpps
Packet Buffer	4Mbit
MAC	8K
Dimensions (W x D x H)	440 x 189.8 x 44mm; (17.3 × 7.4 × 1.7")
Weight	<2.98kg (6.57lb)
Input Voltage	AC: 100-240V, 50/60Hz
Maximum Power	390W
Maximum PoE Power	Max capacity: 370W ; Max capacity for single port: 30W; Mode A, 1/2+, 3/6-; Mode B, 4/5+, 7/8-
Prior Ports	up to 8
Cooling Fan(s)	1
Operating Environment	0° ~ 40°C (32° ~ 104°F); 10% ~ 90% non-condensing
Storage Environment	-40° ~ 70°C (104° ~ 158°F); 5% ~ 90% non-condensing
Indicator	**POWER:** OFF: No AC input; ON (Green): Normal power input; ON (Yellow): PoE power is >85% of the total; **PoE:** OFF: No PoE power supply; ON: PoE power supply is normal; **LINK/ACT:** OFF: No link; Steady ON: Linked; FLASHING: Transmitting data; **PoE-MAX:** OFF: The POE power draw is less than 80%; ON: The POE power draw is greater than 85%
Software Specification	
Ethernet	Supports Full, Half, and Auto-negotiated Duplex; Auto-negotiation rate, Priority flow control, Link aggregation group, Port flow statistics, Enable/disable ports
VLAN	Supports access and trunk modes; allows up to 32 VLANS with IDs from 1 to 4094
MAC	Supports up to 8K, Clearing the dynamic MAC address
POE	Allows viewing PoE status and power, enabling and disabling of ports
Loop Detection	Loop Detection
QoS	Supports port rate limit and broadcast storm control
System	Allows viewing of device name, model, serail #, version, IP address, MAC address, DNS, operation time, etc; Edit and manage IP address and device name; Single user management, user authentication, password modification; Manual and NTP time configuration; Up to 32 switch and 64 device topology information
Security	Support port isolation; Locking login IP address, up to 64 addresses
Maintenance	Supports 1 port mirroring; unified software configuration, management, and search; Device discovery and network topology; Device upgrade, default, import/export configuration, export logs, and restart

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