

## 24 10/100/1000Mbps Port Gigabit L2 Web-Smart Managed PoE+ Switch, 300W, 2 Dedicated Gigabit SFP Slots, 52 Gbps, Web Interface

MODEL NUMBER: NGS24C2POE



Fully managed 24-port web-smart Gigabit 300W PoE+ network switch with dual SFP slots in a 1U rack-mount/desktop unit. Ideal for monitoring and controlling a LAN in a small-to-medium distributed network.

### Description

The energy-efficient NGS24C2POE 24-Port Gigabit L2 Web-Smart Managed PoE+ Network Switch features 24 twisted-pair RJ45 Gigabit Ethernet ports that support auto-negotiable 10/100/1000 Mbps and auto MDI/MDIX cross-over detection functions for convenient plug-and-play capability. Each port can be configured to supply up to 30W of PoE+ (Power over Ethernet) via network cable to connected high-wattage devices, such as VoIP phones, wireless access points and security cameras. Two dedicated mini-GBIC SFP ports are also included for uplinking data to other switches via optical fiber or copper. Easy-to-read LEDs indicate connection and activity status for each port. Built-in web-smart management software gives you remote access to monitor and control each connected device via secure web-based interface. Each port supports up to 2 Gbps with full duplex.

The heavy-duty metal housing mounts into 1U of an EIA-standard 19-inch rack using the included brackets and user-supplied hardware. Or attach the included rubber feet to the bottom of the unit for installation on a flat desktop surface. The five-foot input cord with NEMA 5-15P plug connects to a protected UPS, generator or mains input AC source.

### Features

**Enterprise Managed Network Switch** 24 twisted-pair RJ45 Gigabit Ethernet ports for connecting data-intensive devices  
Auto-negotiable 10/100/1000 Mbps  
Automatic MDI/MDIX cross-over detection  
52 Gbps switching capacity (2 Gbps per port with full duplex)  
Easy-to-read LEDs indicate connection and activity status for each port  
Supports 9k jumbo frames  
Supports MAC address auto-learning and auto-aging up to 8,000 addresses  
Advanced Enterprise-level and L2 management features

**300W Total PoE+ Budget** Each RJ45 port can be configured to supply in-line power to connected devices, such as VoIP phones, wireless access points and security cameras  
30W maximum per port

**Built-In Web-Smart Management Software** Remote access allows monitoring and control of connected equipment via simple Web interface  
VLAN, trunking, VPN, port monitoring and other features improve network efficiency and performance

**Dual Dedicated Mini-GBIC SFP Ports** Connect to Mini-GBIC SFP modules for uplinking to other switches via optical fiber or copper  
LEDs indicate interface traffic

### Highlights

- IP-MAC-Port-Binding, ACL, Storm Control
- Port Security, DHCP Snooping, 802.1x, L2
- Web-Smart management interface, SNMP, RMON features
- Enterprise-level, security and layer 2 management
- Cost-effective form factor for small and medium businesses

### Package Includes

- NGS24C2POE 24-Port Gigabit L2 Web-Smart Managed PoE+ Network Switch
- Detachable AC power cord w/NEMA 5-15P plug, 5 ft.
- (2) Rack-mounting brackets
- (8) Screws
- (4) Rubber feet
- Owner's manual

**Compliant with IEEE Standards** Meets IEEE 802.3ab, 802.3i, 802.3u, 802.3x, 802.3, 802.1q, 802.1p, 802.3af and 802.3at standards

**Versatile Installation Options** Fanless metal housing mounts in 1U of EIA-standard 19 in. racks Supports desktop installation using included rubber feet on flat surface 5 ft. power cord with NEMA 5-15P plug connects to compatible AC power source

**Works with the Most Popular Web Browsers**

The NGS24C2POE is browser-based and works independently from the connected computer's operating system. Because switch compatibility is based on common hardware standards, rather than system software dependencies, the NGS24C2POE accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

## Specifications

OVERVIEW	
UPC Code	037332194862
Product Type	Managed Switch
INPUT	
Input Phase	Single-Phase
Electrical Consumption (Max)	450W
Electrical Consumption (Max PoE Load)	300W
Input Plug Features	Detachable input cord
Voltage Compatibility (VAC)	100-240
Input Plug Type	NEMA 5-15P
Input Cord Length (ft.)	5
Input Cord Length (m)	1.52
POWER	
Power Consumption (Watts)	450
USER INTERFACE, ALERTS & CONTROLS	
Switches	1 included switch enables factory reset
LED Indicators	Power LED (Red); One connectivity LED per RJ45 port (Amber indicates 10/100Mbps link; Green indicates 1000Mbps link; LEDs flash to indicate port activity); One PoE port per RJ45 port (Green when PoE is active; Blinks when port is overloaded); Two LEDs indicate SFP connection (Green)
PHYSICAL	
Primary Form Factor	Desktop; Rackmount
Color	Black
Minimum Required Rack Depth (cm)	20.80

Minimum Required Rack Depth (inches)	8.19
Shipping Dimensions (hwd / in.)	3.46 x 21.85 x 11.61
Shipping Dimensions (hwd / cm)	8.79 x 55.50 x 29.49
Shipping Weight (lbs.)	8.71
Shipping Weight (kg)	3.95
Unit Dimensions (hwd / in.)	1.730 x 17.320 x 8.190
Unit Dimensions (hwd / cm)	4.39 x 43.99 x 20.8
Unit Weight (lbs.)	6.84
Unit Weight (kg)	3.10
Rack Units	1
<b>ENVIRONMENTAL</b>	
Storage Temperature Range	-40° to 158°F (-40° to 70°C)
Relative Humidity	10% to 90% (Non-Condensing)
Operating Temperature	32 to 104 F (0 to 40 C)
<b>COMMUNICATIONS</b>	
Network Compatibility	1 Gbps (Gigabit)
Network Compatibility Details	Auto-negotiable
Switching Capacity	52 Gbps
Switching Capacity Details	2 Gbps per port with full duplex
<b>CONNECTIONS</b>	
Number of Ports	26
RJ45 Ports	24
RJ45 Ports Detail	24x 10/100/1000BASE-T
SFP Uplink Ports	2
SFP Uplink Ports Detail	2x Mini-GBIC SFP Uplinks
PoE Capability	30W (802.3at)
PoE Power Budget (Watts)	300
PoE Supported Ports	24
Network Switch Ports	(24) 10/100/1000 (RJ45); (2) Dedicated SFP
PoE Type	Type 2 PoE+ (30W, IEEE 802.3at)
<b>FEATURES &amp; SPECIFICATIONS</b>	
Jumbo Frames	9000

OSI Layer	Layer 2
Console Port	No
MAC Auto Learning	Yes
MAC Addresses	8000
RMON	Yes
SNMP	Yes
Storm Control	Yes
DHCP Snooping	Yes
Auto MDI/MDIX Crossover Detection	Yes
Fans (Type/Quantity)	Fanless
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Certifications	CAN/CSA-C22.2 No. 60950-1 (Canada); UL 60950-1
Product Compliance	RoHS; IEEE 802.1p CoS/QoS; IEEE 802.1q Tagged VLAN; IEEE 802.3 Auto-Negotiation; IEEE 802.3ab 1000Base-T; IEEE 802.3af PoE; IEEE 802.3at PoE+; IEEE 802.3i 10Base-T; IEEE 802.3u 100Base-TX/FX; IEEE 802.3x Flow Control; FCC Part 15 Class A (USA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	5-year limited warranty