8-Port Managed Gigabit Ethernet Switch with PoE+ - Layer 2, 1 Gbps, 2x GbE SFP Ports, 140W PoE, 1U Rack/Desktop

MODEL NUMBER: **NGS8C2POE-1**

Expands Gigabit Ethernet connectivity in medium and large PoE networks that need to easily route network traffic with visibility to manage the data streams.

Features

Enterprise Managed Gigabit Ethernet Switch Connects Your Network Devices to a LAN
This space-saving desktop switch transmits data over a Gigabit Ethernet (GbE) network. Eight auto-negotiating 10/100/1000 Mbps ports send data via Cat5e/6/6a/8 cable only to the computers, routers, hubs and other devices designated to receive it, which improves the efficiency and potential throughput of the network. LEDs indicate when the switch is powered on and which Ethernet ports are connected and showing activity.

Recommended for IT Managers in Server Message Block (SMB) and Enterprise Network Installs
The NGS8C2POE-1 is ideal for IT pros needing a high-performance managed network switch for white space installations. It is also recommended for data centers using Layer 2 and Layer 3 management of connected servers, as well as small installations that manage multiple products within their network closets.

Supports Power over Ethernet to Save You Money and Give You More Installation Choices
Because this network switch supports Type 2 PoE+, it can supply the power to operate compatible PoE devices, such as wireless LAN access points and bridges, VoIP phones and/or IP video cameras. This saves you the expense and effort of purchasing, connecting and installing individual power supplies for each device. It also helps you install PoE devices in areas far away from AC outlets, such as poles or ceilings. RJ45 ports support up to 30W per port with a total PoE budget of 140W.

Built-In Web Smart Management Software
The Web Smart software provides rich Layer 2 functionality for monitoring and controlling connected equipment via a simple web interface. VLAN, trunking, VPN, port monitoring and other features improve network efficiency and performance.

Dual Dedicated SFP Ports
Two GbE SFP ports connect to user-supplied SFP modules (sold separately) for uplinking data to other switches via optical fiber or copper. LEDs indicate interface traffic.

Compliant with Energy Efficient Ethernet Standards
The NGS8C2POE-1 automatically shifts unused ports to a low power state without interrupting its network connection. The switch meets IEEE 802.3ab, 802.3i, 802.3u, 802.3x, 802.3z, 802.1q, 802.1p, 802.3at,

Highlights

- Supports PoE to save you expense and effort of powering PoE devices individually
- 8 auto-negotiating RJ45 and dual GbE SFP ports connect devices over a VLAN
- Comes pre-loaded with Layer 2 network management software for IGMP snooping
- Complies with Energy Efficient Ethernet standards, including IEEE 802.3ab
- Works with most popular Windows and macOS browsers, including Edge and Chrome

Package Includes

- NGS8C2POE-1 8-Port Managed Gigabit Ethernet Switch
- Rack-mounting hardware
- (4) Rubber feet
- C14 to C13 power cord, 5 ft. (1.5 m)
- Owner's manual

802.3af and 802.3ad standards.

Works with the Most Popular Web Browsers
The NGS8C2POE-1 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 NGS8C2POE-1 accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

Versatile Installation Options
The heavy-duty metal housing can be positioned on a level surface using the included rubber feet to minimize external vibration or mounted into 1U of an EIA-standard 19-inch rack using the included brackets and screws. The detachable C14 to C13 power cord connects to a protected UPS, generator or mains input AC source.

Specifications

OVERVIEW	
UPC Code	037332290892
Product Type	Managed Network Switch
INPUT	
Electrical Consumption (Max)	171W
Electrical Consumption (Max PoE Load)	140W
Voltage Compatibility (VAC)	100-240
Input Plug Type	C14
Input Cord Length (ft.)	5
Input Cord Length (m)	1.52
Power Source	Power Cord
POWER	
Power Consumption (Watts)	171.00
CONNECTIONS	
Number of Ports	10
Ports	10
Ports Detail	(8) Gigabit RJ45 Ports with PoE+, (2) SFP Uplink Ports
SFP Uplink Ports	2
SFP Uplink Ports Detail	1000BASE-SX, 1000BASE-LX
PoE Capability	30W (802.3at)
PoE Power Budget (Watts)	140
PoE Supported Ports	8
Network Switch Ports	(8) 10/100/1000 (RJ45); (2) Dedicated SFP

PoE Type	Type 2 PoE+ (30W, IEEE 802.3at)
Serial Interface	Dedicated RJ45 Port
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	(1)Power, (1)SYS; (10)Port; (8)PoE (1)PowerGreen), (1)SYSGreen); (10)PortYellow-Green Color); (8)PoE (Yellow)
PHYSICAL	
Primary Form Factor	Rackmount
Material of Construction	Metal
Included Mounting Accessories	Y
Minimum Required Rack Depth (cm)	17.98
Minimum Required Rack Depth (inches)	7.08
Shipping Dimensions (hwd / in.)	9.64 x 17.24 x 3.03
Shipping Dimensions (hwd / cm)	24.49 x 43.79 x 7.70
Shipping Weight (lbs.)	5.51
Shipping Weight (kg)	2.50
Unit Dimensions (hwd / in.)	1.730 x 7.080 x 11.020
Unit Dimensions (hwd / cm)	4.39x20.78x43.99
Unit Weight (lbs.)	4.18
Unit Weight (kg)	1.90
Rack Units	1
ENVIRONMENTAL	
Operating Temperature Range	32°F to 115°F (0 to 45)
Storage Temperature Range	-40°F to 158°F (-40 to 70)
Relative Humidity	5% to 95% Non-Condensing
COMMUNICATIONS	
Network Compatibility	1 Gbps (Gigabit)
Network Compatibility Details	Auto-Negotiable
Switching Capacity	20Gbps (Gigabit)
Switching Capacity Details	2 Gbps per port with full duplex
FEATURES & SPECIFICATIONS	
Jumbo Frames	10000
OSI Layer	Layer 2
Console Port	Yes

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)	1
Fan Details	Built-in-Fan
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 62368-1 (Canada); ICES (Canada); IEC 62368-1; UL 62368-1
Product Compliance	CE (Europe); FCC Part 15 Class B (USA); IEEE 802.1p CoS/QoS; IEEE 802.1q Tagged VLAN; IEEE 802.3 Auto-Negotiation; IEEE 802.3ab 1000Base-T; IEEE 802.3ad (LACP); IEEE 802.3af PoE; IEEE 802.3at PoE+; IEEE 802.3i 10Base-T; IEEE 802.3u 100Base-TX/FX; IEEE 802.3x Flow Control; IEEE 802.3z 1000Base-SX/LX; RoHS; UKCA
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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