16-Port Managed Gigabit Ethernet Switch - Layer 2, 1 Gbps, 2x GbE SFP Ports, 1U Rack/Desktop

MODEL NUMBER: **NGS16C2-1**

Expands Gigabit Ethernet connectivity in medium and large 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. Sixteen 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 NGS16C2-1 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.

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 NGS16C2-1 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, 802.3at, 802.3af, 802.1q and 802.1p standards.

Works with the Most Popular Web Browsers
The NGS16C2-1 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 NGS16C2-1 accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

Highlights

- 16 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
- Easy-to-read LEDs indicate connection and activity status for each port
- Works with most popular Windows and macOS browsers, including Edge and Chrome

Package Includes

- NGS16C2-1 16-Port Managed Gigabit Ethernet Switch
- Rack-mounting hardware
- (4) Rubber feet
- C14 to C13 power cord, 5 ft. (1.5 m)
- Owner's manual

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	037332290908
Product Type	Managed Network Switch

INPUT	
Electrical Consumption (Max)	272.1
Electrical Consumption (Max PoE Load)	220
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 Source Type	Power Cord
Power Cord Length (ft.)	5
Power Consumption (Watts)	272.10

CONNECTIONS	
Number of Ports	19
Ports	19
Ports Detail	(16) Gigabit RJ45 Ports with PoE+, (2) SFP Uplink Ports, (1) Serial Console RJ45 Port
SFP Uplink Ports	2
SFP Uplink Ports Detail	1000BASE-SX, 1000BASE-LX
Network Switch Ports	(16) 10/100/1000 (RJ45); (1) Console (RJ45); (2) Dedicated SFP
Serial Interface	Dedicated RJ45 Port

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	(1)Power; (1)SYS; (18)Port; (16)PoE (1)PowerGreen; (1)SYSGreen); (18)PortYellow-Green Color); (16)PoE (Yellow)

PHYSICAL	

Primary Form Factor	Rackmount
Material of Construction	Metal
Included Mounting Accessories	Y
Minimum Required Rack Depth (cm)	20.78
Minimum Required Rack Depth (inches)	8.18
Shipping Dimensions (hwd / in.)	11.61 x 21.85 x 3.46
Shipping Dimensions (hwd / cm)	29.49 x 55.50 x 8.79
Shipping Weight (lbs.)	6.28
Shipping Weight (kg)	2.85
Unit Dimensions (hwd / in.)	1.730 x 8.180 x 17.320
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)
IEEE Standards Supported	802.1p; 802.1q; 802.3ab; 802.3i; 802.3u; 802.3x; 802.3z
Network Compatibility Details	Auto-Negotiable
Switching Capacity	36 Gbps (Gigabit)
Switching Capacity Details	2 Gbps per port with full duplex

FEATURES & SPECIFICATIONS

Auto MDIX Support	Yes
Jumbo Frames	9216
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)	2
Fan Details	Built-in-Fan

STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 62368-1 (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 802.3i 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