

## 16 10/100/1000Mbps Port Gigabit L2 Web-Smart Managed Switch, 2 Dedicated Gigabit SFP Slots, 36 Gbps, Web Interface

MODEL NUMBER: NGS16C2



Fully managed 16-port web-smart Gigabit 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 NGS16C2 16-Port Gigabit L2 Web-Smart Managed Network Switch features 16 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. 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 lets you 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** 16 twisted-pair RJ45 Gigabit Ethernet ports  
Auto-negotiable 10/100/1000 Mbps  
Automatic MDI/MDIX cross-over detection  
36 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

**Built-In Web-Smart Management Software** Monitors and controls 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

**Compliant with Energy Efficient Ethernet standards** Automatically shifts unused ports to low power state without interrupting network connection  
Meets IEEE 802.3ab, 802.3i, 802.3u, 802.3x, 802.3, 802.1q, 802.1d, 802.1w and 802.3ad standards

**Versatile Installation Options** Fanless metal housing mounts in 1U of EIA-standard 19 in. racks  
Supports

### 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

- NGS16C2 16-Port Gigabit L2 Web-Smart Managed 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

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 NGS16C2 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 accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

## Specifications

OVERVIEW	
UPC Code	037332194848
Product Type	Managed Switch
INPUT	
Input Phase	Single-Phase
Electrical Consumption (Max)	80W
Input Plug Features	Detachable NEMA 5-15P to C13 input plug can be replaced with a wide variety of 100 to 240V international cordsets that terminate to a C13 connector on the output side
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)	80
USER INTERFACE, ALERTS & CONTROLS	
Switches	1 included switch enables factory reset
LED Indicators	Power LED (Green for Power On); One LED per RJ45 port (Amber indicates 10/100Mbps link; Green indicates 1000Mbps link; LEDs flash to indicate port activity); Two LEDs indicate SFP connection (Green)
PHYSICAL	
Primary Form Factor	Desktop; Rackmount
Color	Black
Minimum Required Rack Depth (cm)	20.50
Minimum Required Rack Depth (inches)	8.07
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.)	7.06
Shipping Weight (kg)	3.20
Unit Dimensions (hwd / in.)	1.730 x 17.320 x 8.070
Unit Dimensions (hwd / cm)	4.39 x 43.99 x 20.5
Unit Weight (lbs.)	5.4
Unit Weight (kg)	2.45
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	36 Gbps
Switching Capacity Details	2 Gbps per port with full duplex
<b>CONNECTIONS</b>	
Number of Ports	18
RJ45 Ports	16
RJ45 Ports Detail	16x 10/100/1000BASE-T
SFP Uplink Ports	2
SFP Uplink Ports Detail	2x Mini-GBIC SFP Uplinks
PoE Supported Ports	0
Network Switch Ports	(16) 10/100/1000 (RJ45); (2) Dedicated SFP
<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

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1000 Eaton Boulevard  
Cleveland, OH 44122  
United States

DHCP Snooping	Yes
Auto MDI/MDIX Crossover Detection	Yes
Fans (Type/Quantity)	Fanless
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Compliance	RoHS; IEEE 802.1d (STP); IEEE 802.1p CoS/QoS; IEEE 802.1q Tagged VLAN; IEEE 802.1w (RSTP); 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
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	5-year limited warranty

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