

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

MODEL NUMBER: **NGS16C2**



### 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

### 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



- 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 desktop installation using included rubber feet on flat surface
- 5 ft. power cord with NEMA 5-15P plug connects to compatible AC power source

## Specifications

INPUT	
Electrical Consumption	80 watts max.
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
Input Cord Length (ft.)	5
Input Cord Length (m)	1.52
Voltage Compatibility (VAC)	100; 110; 120; 127; 200; 208/240
Input Phase	Single-Phase
Input Plug Type	NEMA 5-15P
USER INTERFACE, ALERTS & CONTROLS	
Switches	1 included switch enables factory reset
LED Indicators	Power LED (Green for Power On); One LED per RJ-45 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
Minimum Required Rack Depth (inches)	8.07
Minimum Required Rack Depth (cm)	20.50
Shipping Weight (lbs.)	7.06
Shipping Weight (kg)	3.21



Unit Dimensions (hwd / in.)	1.73 x 17.32 x 8.07
Unit Dimensions (hwd / cm)	4.39 x 43.99 x 20.5
Unit Weight (lbs.)	5.4
Unit Weight (kg)	2.45
Color	Black
Minimum Required Rack Depth (mm)	205
<b>ENVIRONMENTAL</b>	
Storage Temperature Range	-40 to 158 F (-40 to 70 C)
Relative Humidity	10 to 90% (Non-condensing)
Operating Elevation (ft.)	10,000
Operating Temperature	32 to 104 F (0 to 40 C)
Operating Elevation (m)	3,000
<b>CONNECTIONS</b>	
Ports	18
Network Switch Ports	(16) 10/100/1000 (RJ45); (2) Dedicated SFP
<b>CERTIFICATIONS</b>	
Certifications	Compliant standards: IEEE 802.3ab (1000BASE-T GIGABIT ETHERNET), IEEE 802.3i (10BASE-T ETHERNET), IEEE 802.3u (100BASE-T ETHERNET), IEEE 802.3x (FULL DUPLEX/FLOW CONTROL), IEEE 802.3 (NWAY AUTO-NEGOTIATION), 802.1q (TAGGED VLAN), 802.1d (STP), 802.1w (RSTP), 802.1p (QUALITY OF SERVICE)
Approvals	Tested to: UL 60950-1:2007 (2nd Ed); CAN/CSA C22.2 NO. 60950-1-07 2nd Edition
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	5-year limited warranty

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