

8 10/100/1000Mbps Port Gigabit L2 Web-Smart Managed PoE+ Switch, 140W, 2 Dedicated Gigabit SFP Slots, 20 Gbps, Web Interface

MODEL NUMBER: NGS8C2POE



Fully managed 8-port web-smart Gigabit 140W 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 NGS8C2POE 8-Port Gigabit L2 Web-Smart Managed PoE+ Network Switch features eight 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 devices, such as VoIP phones 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 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

- 8 twisted-pair RJ45 Gigabit Ethernet ports
- Auto-negotiable 10/100/1000 Mbps
- Automatic MDI/MDIX cross-over detection
- 20 Gbps switching capacity (2 Gbps per port with full duplex)

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

- NGS8C2POE 8-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



- 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

140W Total PoE+ Budget

- Each RJ45 port can be configured to supply PoE+ to connected devices, such as VoIP phones and security cameras
- 30W maximum per port
- Total PoE power split into 2 port groups, each 70W max

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 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

| OVERVIEW | |
|-----------------------------|--|
| UPC Code | 037332194855 |
| Product Type | Network Switch |
| INPUT | |
| Electrical Consumption | 300 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 |
| Voltage Compatibility (VAC) | 100; 110; 120; 127; 208/240 |



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|--|---|
| Input Phase | Single-Phase |
| Input Plug Type | NEMA 5-15P |
| Input Cord Length (ft.) | 5 |
| Input Cord Length (m) | 1.52 |
| USER INTERFACE, ALERTS & CONTROLS | |
| Switches | 1 included switch enables factory reset |
| LED Indicators | Power LED (Green for Power On); One connection/activity LED per RJ-45 port (Amber indicates 10/100Mbps link; Green indicates 1000Mbps link; LEDs flash to indicate port activity); One POE port per RJ-45 port (Green when POE is active; Blinks when port is overloaded); Two LEDs indicate SFP connection (Green) |
| PHYSICAL | |
| Color | Black |
| Minimum Required Rack Depth (cm) | 20.50 |
| Minimum Required Rack Depth (inches) | 8.07 |
| Primary Form Factor | Desktop; Rackmount |
| Shipping Dimensions (hwd / cm) | 7.70 x 43.79 x 24.51 |
| Shipping Dimensions (hwd / in.) | 3.03 x 17.24 x 9.65 |
| Shipping Weight (kg) | 2.80 |
| Shipping Weight (lbs.) | 6.17 |
| Unit Dimensions (hwd / cm) | 4.39 x 43.99 x 20.5 |
| Unit Dimensions (hwd / in.) | 1.73 x 17.32 x 8.07 |
| Unit Weight (kg) | 2.45 |
| Unit Weight (lbs.) | 5.4 |
| ENVIRONMENTAL | |
| 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) |
| Power Consumption (Watts) | 300 |
| CONNECTIONS | |
| Ports | 10 |
| Network Switch Ports | (8) 10/100/1000 (RJ45); (2) Dedicated SFP |
| STANDARDS & COMPLIANCE | |



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| 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), 802.af (POE), 802.at (POE+) |
| Approvals | Tested to: UL 60950-1:2007 (2nd Ed); CAN/CSA C22.2 NO. 60950-1-07 2nd Edition |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 5-year limited warranty |

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