

## 8-Port 10/100/1000 Mbps 1U Rack-Mount/Desktop Gigabit Ethernet Unmanaged Switch with PoE+, 140W

MODEL NUMBER: NG8POE



Energy-efficient switch provides Gigabit network connection for multiple devices. Recommended for small offices, workgroups, creative workspaces and security applications using IP cameras and other PoE-compatible devices.

### Description

The NG8POE 8-Port 10/100/1000 Mbps 1U Rack-Mount/Desktop Gigabit Ethernet Unmanaged Switch adds a Gigabit Ethernet connection with PoE+ capacity to your small office, workgroup or creative workspace.

Especially recommended for security applications to power IP cameras, VoIP phones and other PoE-compatible devices, this energy-efficient switch provides PoE+ compatibility with wireless access points and other devices with up to 30W per port and a PoE budget of 140W (up to 70W per port bank). Sharing large bandwidth-intensive files, such as CAD drawings and high-definition videos, at Gigabit speeds improves efficiency and cuts costly downtime. IEEE 802.3x flow control allows smooth transmission.

This unmanaged switch features eight twisted-pair RJ45 Gigabit Ethernet ports that support auto-negotiable 10/100/1000 Mbps and auto MDI/MDIX cross-over detection. It's plug-and-play with no configuration required and can be up and running immediately. Easy-to-read LEDs indicate power, connection, activity and PoE status for each port.

The NG8POE supports IEEE 802.3az Energy Efficient Ethernet standards by putting unused ports into a low-power state without interrupting network connections. The detachable five-foot power cord with NEMA 5-15P plug connects to any compatible AC source. The heavy-duty metal housing is designed for desktop installation or mounting into 1U of an EIA-standard 19-inch rack with the included brackets.

### Features

#### Highlights

- 8 auto-negotiable 10/100/1000 Mbps PoE+ RJ45 ports
- Up to 30W PoE+ per port; 140W total PoE budget
- Supports auto MDI/MDIX cross-over function
- 2 Gbps switching capacity per port with full duplex
- Plug-and-play with no configuration required

#### Package Includes

- NG8POE 8-Port 10/100/1000 Mbps 1U Rack-Mount/Desktop Gigabit Ethernet Unmanaged Switch
- Detachable AC power cord with NEMA 5-15P plug, 5 ft.
- (2) Mounting brackets
- (8) Screws
- (4) Rubber feet
- Owner's manual



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#### Unmanaged Network Switch for Home/Small Offices, Workgroups and Security Applications

- 8 twisted-pair RJ45 Gigabit Ethernet ports with PoE+ capability
- Auto-negotiable 10/100/1000 Mbps
- Automatic MDI/MDIX cross-over detection
- 16 Gbps switching capacity (2 Gbps per port with full duplex)
- LEDs indicate power, connection, activity and PoE status per port
- Supports 9k jumbo frames, MAC address auto-learning and auto-aging, and 802.3x flow control (full duplex) and back pressure (half duplex)

#### 140W Total PoE+ Budget

- Up to 30W PoE per port
- Dual port banks support up to 70W PoE each
- Each port supplies PoE+ power to connected devices via network cable

#### Complies with IEEE 802.3az Energy Efficient Ethernet Standards

- Automatically shifts unused ports to low-power state without interrupting network connection
- Also meets IEEE 802.3ab, 802.3i, 802.3u and 802.3 standards

#### Heavy-Duty Metal Housing

- No-fan design for silent operation
- Detachable 5 ft. AC power cord with NEMA 5-15P plug
- Plug-and-play with no configuration required

#### Versatile Installation Options

- Includes rubber feet for secure placement on flat desktop surface
- Mounts in 1U of EIA-standard 19 in. rack with included brackets
- Grounding lug included

## Specifications

| OVERVIEW                          |                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------|
| UPC Code                          | 037332194787                                                                          |
| INPUT                             |                                                                                       |
| Electrical Consumption            | 147W maximum power consumption (at 100% switching capacity with 140W POE consumption) |
| Nominal Input Voltage Description | 100-240V AC nominal input                                                             |
| Plug Type                         | Detachable NEMA 5-15P input cord                                                      |
| Input Frequency                   | 50/60 Hz                                                                              |
| Input Cord Length (ft.)           | 5                                                                                     |



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|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input Cord Length (m)                        | 1.52                                                                                                                                                                                                                                                                                                                                                             |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |                                                                                                                                                                                                                                                                                                                                                                  |
| LED Indicators                               | Power LED (Green for Power On); Two LEDs per RJ-45 port (UPPER LED: Green indicates 10/100Mbps link; Amber indicates 1000Mbps link; LEDs flash to indicate port activity / LOWER LED: Amber indicates POE is active); Set of 2 "POE MAX" LEDs light to indicate the POE budget has been exceeded (POE MAX 1 indicates ports 1-4 / POE MAX 2 indicates ports 5-8) |
| <b>PHYSICAL</b>                              |                                                                                                                                                                                                                                                                                                                                                                  |
| Color                                        | Black                                                                                                                                                                                                                                                                                                                                                            |
| Form Factors Supported                       | Desktop, Rackmount                                                                                                                                                                                                                                                                                                                                               |
| Primary Form Factor                          | Desktop; Rackmount                                                                                                                                                                                                                                                                                                                                               |
| Rack Height                                  | 1U                                                                                                                                                                                                                                                                                                                                                               |
| Shipping Dimensions (hwd / cm)               | 7.62 x 24.38 x 43.69                                                                                                                                                                                                                                                                                                                                             |
| Shipping Dimensions (hwd / in.)              | 3.00 x 9.60 x 17.20                                                                                                                                                                                                                                                                                                                                              |
| Shipping Weight (kg)                         | 2.68                                                                                                                                                                                                                                                                                                                                                             |
| Shipping Weight (lbs.)                       | 5.90                                                                                                                                                                                                                                                                                                                                                             |
| Unit Dimensions (hwd / cm)                   | 4.39 x 27.99 x 18.01                                                                                                                                                                                                                                                                                                                                             |
| Unit Dimensions (hwd / in.)                  | 1.73 x 11.02 x 7.09                                                                                                                                                                                                                                                                                                                                              |
| Unit Weight (kg)                             | 1.86                                                                                                                                                                                                                                                                                                                                                             |
| Unit Weight (lbs.)                           | 4.1                                                                                                                                                                                                                                                                                                                                                              |
| <b>ENVIRONMENTAL</b>                         |                                                                                                                                                                                                                                                                                                                                                                  |
| Storage Temperature Range                    | -40 to 158F (-40 to 70C)                                                                                                                                                                                                                                                                                                                                         |
| Relative Humidity                            | 10 to 90% (non-condensing)                                                                                                                                                                                                                                                                                                                                       |
| Operating Elevation (ft.)                    | Up to 10,000                                                                                                                                                                                                                                                                                                                                                     |
| Operating Temperature                        | 32 to 104F (0 to 40C)                                                                                                                                                                                                                                                                                                                                            |
| Operating Elevation (m)                      | Up to 3000                                                                                                                                                                                                                                                                                                                                                       |
| <b>CONNECTIONS</b>                           |                                                                                                                                                                                                                                                                                                                                                                  |
| Network Switch Ports                         | (8) 10/100/1000 (RJ45)                                                                                                                                                                                                                                                                                                                                           |
| PoE Supported Ports                          | 8                                                                                                                                                                                                                                                                                                                                                                |
| PoE Capability                               | 30W (802.3at)                                                                                                                                                                                                                                                                                                                                                    |
| PoE Power Budget (Watts)                     | 140                                                                                                                                                                                                                                                                                                                                                              |
| <b>SPECIAL FEATURES</b>                      |                                                                                                                                                                                                                                                                                                                                                                  |
| Grounding Lug                                | Includes back panel grounding lug                                                                                                                                                                                                                                                                                                                                |
| <b>CERTIFICATIONS</b>                        |                                                                                                                                                                                                                                                                                                                                                                  |



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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), 802.3az (ENERGY EFFICIENT ETHERNET), 802.3at (POE+) |
| Approvals                           | Tested to UL60950-1: 2007 (2ND ED) +A1+A2 R14 (USA), CAN/CSA C22.2 NO. 60950-1-07, 2ND EDITION, 2014-10 (Canada), NOM (Mexico), FCC CLASS B (Emissions)                                                                                                             |
| <b>WARRANTY</b>                     |                                                                                                                                                                                                                                                                     |
| Product Warranty Period (Worldwide) | 5-year limited warranty                                                                                                                                                                                                                                             |

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