

## 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



### 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
Product Type	Network Switch
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
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 Temperature	32 to 104F (0 to 40C)
Power Consumption (Watts)	147
Power Consumption Detail	Maximum power consumption is at 100% switching capacity with 140W POE consumption.
<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



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<b>STANDARDS &amp; COMPLIANCE</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), 802.3az (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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