

## 16-Port 10/100/1000 Mbps 1U Rack-Mount/Desktop Gigabit Ethernet Unmanaged Switch with PoE+, 260W, Metal Housing

MODEL NUMBER: NG16POE



Ethernet 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 NG16POE 16-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 Ethernet switch provides PoE+ compatibility with wireless access points and other devices with up to 30W per port and a PoE budget of 260W. 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 16 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 detachable six-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

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

### Highlights

- 16 auto-negotiable 10/100/1000 Mbps PoE+ RJ45 ports
- Up to 30W PoE+ per port; 260W 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

- NG16POE 16-Port 10/100/1000 Mbps 1U Rack-Mount/Desktop Gigabit Ethernet Unmanaged Switch
- Detachable AC power cord with NEMA 5-15P plug, 6 ft.
- (2) Rack-mounting brackets
- (8) Screws
- (4) Rubber feet
- Owner's manual



- 16 twisted-pair RJ45 Gigabit Ethernet ports with PoE+ capability
- Auto-negotiable 10/100/1000 Mbps
- Automatic MDI/MDIX cross-over detection
- 32 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)

#### 260W Total PoE+ Budget

- Up to 30W PoE per port
- Each port supplies PoE+ power to connected devices via network cable

#### Heavy-Duty Metal Housing

- Detachable 6 ft. AC power cord with NEMA 5-15P plug
- Plug-and-play—no configuration necessary

#### 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	037332194800
INPUT	
Electrical Consumption	400W maximum power consumption (at 100% switching capacity with 260W POE consumption)
Nominal Input Voltage Description	100-240V AC nominal input
Plug Type	Detachable NEMA 5-15P input cord
Input Cord Length (ft.)	6
Input Cord Length (m)	1.83
Input Frequency	50/60 Hz
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Power LED (Red); 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: Green indicates POE is active)
PHYSICAL	



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Primary Form Factor	Desktop; Rackmount
Rack Height (U Spaces)	1
Shipping Dimensions (hwd / in.)	3.460 x 21.850 x 11.610
Shipping Dimensions (hwd / cm)	8.79 x 55.50 x 29.49
Shipping Weight (lbs.)	8.5600
Shipping Weight (kg)	3.88
Unit Dimensions (hwd / in.)	1.73 x 17.4 x 8.19
Unit Dimensions (hwd / cm)	4.4 x 44.2 x 20.8
Unit Weight (lbs.)	6.17
Unit Weight (kg)	2.80
Color	Black
Form Factors Supported	Desktop, Rackmount
<b>ENVIRONMENTAL</b>	
Storage Temperature Range	14 to 158F (-10 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	(16) 10/100/1000 (RJ45)
PoE Supported Ports	16
PoE Capability	30W (802.3at)
PoE Power Budget (Watts)	260
<b>SPECIAL FEATURES</b>	
Grounding Lug	Includes back panel grounding lug
<b>CERTIFICATIONS</b>	
Certifications	Compliant Standards: IEEE 802.3ab (1000BASE-T GIGABIT ETHERNET), IEEE 802.3i (10BASE-T ETHERNET), IEEE 802.3x (FULL DUPLEX/FLOW CONTROL), IEEE 802.3 (NWAY AUTO-NEGOTIATION), 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 A (Emissions)
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	5-year limited warranty



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