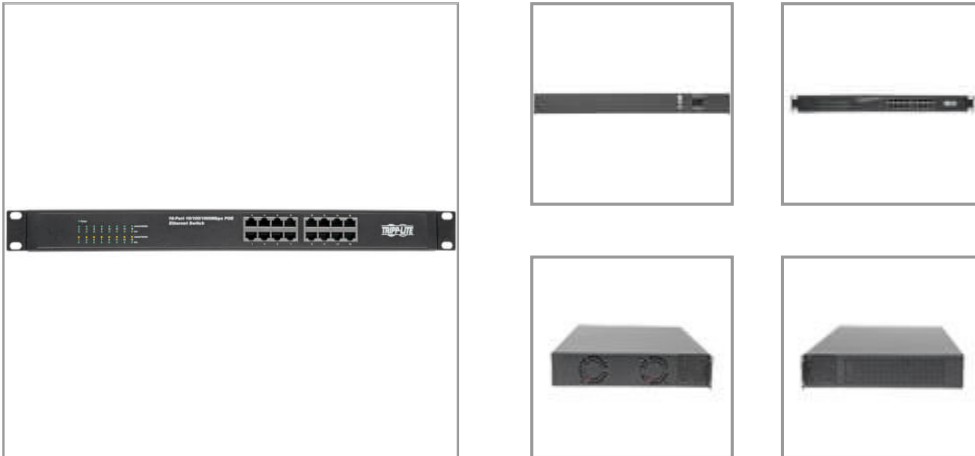# 16-Port 10/100/1000 Mbps 1U Rack-Mount/Desktop Gigabit Ethernet Unmanaged Switch with PoE+, 247W, Metal Housing

MODEL NUMBER: **NG16POE**

Highlights

- 16 auto-negotiable 10/100/1000 Mbps PoE+ RJ45 ports
- Up to 30W PoE+ per port; 247W 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

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 247W. 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 Applications16 twisted-pair RJ45 Gigabit Ethernet ports with PoE+ capabilityAuto-negotiable 10/100/1000 MbpsAutomatic MDI/MDIX cross-over detection36 Gbps switching capacity (2 Gbps per port with full duplex)LEDs indicate power, connection, activity and PoE status per portSupports 10k jumbo frames, MAC address auto-learning and auto-aging, and 802.3x flow control (full duplex) and back pressure (half duplex)The UTP port supports the auto-negotiation function and automatically adjusts the transmission mode and transmission rate

247W Total PoE+ Budget Up to 30W PoE per portEach port supplies PoE+ power to connected devices via network cable

Heavy-Duty Metal Housing Detachable 6 ft. AC power cord with NEMA 5-15P plugPlug-and-play—no configuration necessary

Versatile Installation Options Includes rubber feet for secure placement on flat desktop surfaceMounts in 1U of EIA-standard 19 in. rack with included bracketsGrounding lug included

Works with the Most Popular Web Browsers
The NG16POE is browser-based and works independently from the connected computer's operating system. Because switch compatibility is based on common hardware standards, rather than system software dependencies, the NG16POE accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

Specifications

OVERVIEW	
UPC Code	037332194800
Product Type	Unmanaged Switch
INPUT	
Electrical Consumption (Max)	400W
Electrical Consumption (Max PoE Load)	297W
Nominal Input Voltage Description	100-240V AC nominal input
Plug Type	Detachable NEMA 5-15P input cord
Voltage Compatibility (VAC)	100-240
Input Frequency	50/60 Hz
Input Plug Type	NEMA 5-15P
Input Cord Length (ft.)	6
Input Cord Length (m)	1.83
POWER	
Power Consumption (Watts)	400
Power Consumption Detail	Maximum power consumption is at 100% switching capacity with 247W POE consumption.
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	-POE 1-16th (Green): for supplying power to PD device -1000 1-16th (Green): for Ethernet speed l000Mbps -10/100 1-16th (Orange): for Ethernet speed 10/l00Mbps -LNK/ACT 16th (Green/Orange Blinking): for data Transmitting/Receiving
PHYSICAL	
Primary Form Factor	Desktop; Rackmount
Color	Black
Form Factors Supported	Desktop, Rackmount
Rack Height	1U

Shipping Dimensions (hwd / cm)	8.79 x 29.50 x 55.50
Shipping Dimensions (hwd / in.)	3.46 x 11.61 x 21.85
Shipping Weight (kg)	3.88
Shipping Weight (lbs.)	8.55
Unit Dimensions (hwd / in.)	1.73 x 17.3 x 8.13
Unit Dimensions (hwd / cm)	4.39 x 43.9 x 20.6
Unit Weight (lbs.)	6.17
Unit Weight (kg)	2.80
Rack Units	1

ENVIRONMENTAL

Storage Temperature Range	-40 to 158F (-40 to 70C)
Relative Humidity	10 to 90% (non-condensing)
Operating Temperature	32 to 113F (0 to 45C)

COMMUNICATIONS

Network Compatibility	1 Gbps (Gigabit)
Network Compatibility Details	Auto-negotiable
Switching Capacity	36 Gbps
Switching Capacity Details	2 Gbps per port with full duplex

CONNECTIONS

Number of Ports	18
RJ45 Ports	16
RJ45 Ports Detail	16x 10/100/1000BASE-T
PoE Capability	30W (802.3at)
PoE Power Budget (Watts)	247
PoE Supported Ports	16
Network Switch Ports	(16) 10/100/1000 (RJ45)
PoE Type	Type 2 PoE+ (30W, IEEE 802.3at)

FEATURES & SPECIFICATIONS

Grounding Lug	Includes back panel grounding lug
MAC Addresses	8000
Jumbo Frames	10000
Console Port	No
MAC Auto Learning	Yes

RMON	No
SNMP	No
Storm Control	No
DHCP Snooping	No
Auto MDI/MDIX Crossover Detection	Yes

STANDARDS & COMPLIANCE	
Product Compliance	IEEE 802.3 Auto-Negotiation; IEEE 802.3ab 1000Base-T; IEEE 802.3at PoE+; IEEE 802.3i 10Base-T; IEEE 802.3x Flow Control

WARRANTY	
Product Warranty Period (Worldwide)	5-year limited warranty