TRIPP LITE
SERIES

16-Port 10/100/1000 Mbps Gigabit Ethernet Unmanaged Switch with PoE+, 220W, Metal Enclosure, 1U Rack

MODEL NUMBER: **NG16POE-1**

Provides a Gigabit Ethernet connection and power for PoE devices in your small office network or workgroup.

Features

16-Port Unmanaged Gigabit Ethernet Switch for Home Offices and Workgroups
The energy-efficient NG16POE-1 network switch connects up to 16 devices to a Gigabit Ethernet network and allows them to communicate with each other. It's recommended for your home network, small office, workgroup or creative production environment. It helps you share large bandwidth-intensive files, such as CAD drawings and videos, at Gigabit (1000 Mbps/1 Gbps) speeds, improving efficiency and cutting costly downtime.

Maximum Network Functionality
The NG16POE-1 features 16 twisted-pair RJ45 Gigabit Ethernet ports that support auto-negotiable 10/100/1000 Mbps and auto MDI/MDIX functionality, so crossover cables and uplink ports are not needed for connections to PCs, routers and other switches. No configuration is required, so you can have your Gigabit network up and running immediately. IEEE 802.3x flow control (full duplex) and back pressure (half duplex) allow smooth transmission of large files.

Supports Power over Ethernet to Save You Money and Give You More Installation Choices
Because this network switch supports PoE, it can supply the power to operate compatible PoE devices, such as wireless LAN access points and bridges, VoIP phones and/or IP video cameras. This saves you the expense and effort of purchasing, connecting and installing individual power supplies for each device. It also helps you install PoE devices in areas far away from AC outlets, such as poles or ceilings. RJ45 ports support up to 30W per port with a total PoE budget of 220W.

Complies with IEEE Energy Efficient Ethernet Standards
The NG16POE-1 supports IEEE 802.3az Energy Efficient Ethernet standards by automatically shifting unused ports into a low-power state without interrupting network connections. It also meets IEEE 802.3ab, 802.3i and 802.3u standards.

Plug-and-Play Functionality for Easy Use
No configuration is required in setting up the unmanaged NG16POE-1, so you can have your 10/100/1000 Mbps network up and running immediately. Cat5/5e/6/6a UTP/STP cables (sold separately) provide optimal performance. Easy-to-read LEDs indicate connection and activity status for each port. The NG16POE-1 supports MAC address auto-learning and auto-aging for efficient routing.

Highlights

- Supports PoE to save you expense and effort of powering PoE devices individually
- 16 twisted-pair auto-negotiable RJ45 ports support auto MDI/MDIX functionality
- Unused ports shift into low-power state without interrupting network connection
- Consumes just 10W maximum input power to help you save energy costs
- Designed for either desktop installation or 1U rack mounting with included hardware

Package Includes

- NG16POE-1 16-Port Gigabit Ethernet Unmanaged Switch with PoE+
- Detachable C13 to C14 power cord, 5 ft. (1.5 m)
- (2) Rack-mounting brackets
- (8) Bracket screws
- (4) Rubber feet
- Owner's manual

Heavy-Duty Metal Enclosure with Versatile Installation Options
This rugged switch features a detachable C13/C14 power cord that connects to a protected UPS or AC wall outlet. The housing contains no fan, resulting in silent operation. The NG16POE-1 is designed for desktop placement with the included rubber feet or 1U rack mounting using the included brackets.

Specifications

OVERVIEW	
UPC Code	037332287229
Product Type	Unmanaged Switch

INPUT	
Electrical Consumption (Max)	260W
Electrical Consumption (Max PoE Load)	220W
Nominal Input Voltage Description	100-240V AC nominal input
Voltage Compatibility (VAC)	100-240
Input Frequency	50/60 Hz
Input Plug Type	C14
Input Cord Length (ft.)	5
Input Cord Length (m)	1.52
Power Source	Power Cord

POWER	
Power Consumption (Watts)	400.00
Output Volt/Amp (from external power supply)	54V / 4.5A
Power Consumption Detail	Maximum power consumption is at 100% switching capacity with 247W POE consumption.

CONNECTIONS	
Number of Ports	16
Ports	16
Ports Detail	16x 10/100/1000BASE-T
SFP Uplink Ports	0
PoE Capability	30W (802.3at)
PoE Power Budget (Watts)	220
PoE Port Description	Power output up to 30 watts per port
PoE Supported Ports	16
Network Switch Ports	(16) 10/100/1000 (RJ45)
PoE Type	Type 2 PoE+ (30W, IEEE 802.3at)

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Power LED (Green for Power ON); One LED per RJ45 port (Green indicates 10/100/1000Mbps link; Yellow indicates 10/100Mbps link; LEDs flash to indicate port activity); One PoE LED per RJ45 port (Green indicates PoE connection)

PHYSICAL	
Primary Form Factor	Desktop; Rackmount
Color	Black
Material of Construction	Metal
Rack Height	1U
Form Factors Supported	Desktop, Rackmount
Included Mounting Accessories	Yes
Minimum Required Rack Depth (cm)	20.78
Minimum Required Rack Depth (inches)	8.18
Shipping Dimensions (hwd / in.)	21.85 x 11.61 x 3.46
Shipping Dimensions (hwd / cm)	55.50 x 29.49 x 8.79
Shipping Weight (lbs.)	9.04
Shipping Weight (kg)	4.10
Unit Dimensions (hwd / in.)	1.700 x 17.000 x 8.100
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	
Operating Temperature Range	32° to 104°F (0° to 40)
Storage Temperature Range	-14° to 158°F (-10° to 70)
Relative Humidity	10% to 90% (Non-Condensing)
Operating Temperature	32° to 104°F (0° to 40)
Operating Humidity Range	10% - 90%, RH (Non-condensing
Storage Humidity Range	10% - 90%, RH (Non-condensing

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

FEATURES & SPECIFICATIONS

Recommended Category Cable	Cat5e, Cat6, Cat6a
Jumbo Frames	10000
Console Port	No
MAC Auto Learning	Yes
MAC Addresses	8192
RMON	No
SNMP	No
Storm Control	No
DHCP Snooping	No
Auto MDI/MDIX Crossover Detection	Yes
Fans (Type/Quantity)	Fanless

STANDARDS & COMPLIANCE

Product Certifications	CAN/CSA-C22.2 No. 62368-1 (Canada); IEC 62368-1; UL 62368-1
Product Compliance	CE (Europe); FCC Part 15 Class B (USA); IEEE 802.3ab 1000Base-T; IEEE 802.3af PoE; IEEE 802.3at PoE+; IEEE 802.3az (Energy Efficient Ethernet); IEEE 802.3i 10Base-T; IEEE 802.3u 100Base-TX/FX; IEEE 802.3x Flow Control; REACH; RoHS; UKCA

WARRANTY & SUPPORT

Product Warranty Period (Worldwide)	3-year limited warranty