

PDU Ethernet Switch 1U Combo with 16 Unmanaged Gigabit Ports

MODEL NUMBER: NSU-G16



Description

Tripp Lite's NSU-G16 combines a 1.44kW single-phase 120V Basic Power Distribution Unit (PDU) with an Unmanaged 16-Port Gigabit Ethernet Switch for an all-in-one 1U rack-mount solution. It is perfect for racks in smaller, distributed networks where space is at a premium by providing both power and Ethernet connectivity in only 1U of rack space. The power distribution unit supplies continuous AC power from a connected UPS system or alternate source and contains 8 NEMA 5-15R outlets allowing you to power critical IT equipment. The Gigabit Ethernet Network Switch has 16 RJ45 ports that support auto-negotiable 10/100/1000 Mbps and auto MDI/MDIX cross-over detection functions for true "plug and play" capability. Utilizing Green Ethernet technology, power consumption is automatically lowered by (i) turning off Ethernet ports not in use or connected to a shutdown computer, and (ii) detecting the connected network cable lengths to adjust the power usage to only what is necessary. Constructed of heavy-duty steel housing, the NSU-G16 has a rugged design built for years of reliable performance.

Features

Tripp Lite's NSU-G16 combines a 1.44kW single-phase 120V Basic Power Distribution Unit (PDU) with an Unmanaged 16-Port Gigabit Ethernet Switch for an all-in-one 1U rack-mount solution.

Power Distribution Unit (PDU):

- 1.44kW 12A 120V Basic Power Distribution Unit
- 8 NEMA 5-15R AC outlets
- NEMA 5-15P input plug; 6 ft. line cord
- 12 Amps

Unmanaged Ethernet Switch:

- 16 RJ45 Gigabit Ethernet ports
- Auto-negotiable 10/100/1000 Mbps Ethernet on all ports selects port speed automatically based on the capabilities of the client

Highlights

- Combines a Basic PDU and an Unmanaged 16-Port Gigabit Ethernet Switch in only 1U or rack space
- Ideal for racks with limited space such as wall-mount racks
- 1.44kW 12A 120V Basic Power Distribution Unit (PDU) with 8 NEMA 5-15R AC outlets
- 16-port Gigabit Ethernet Switch, Auto-Negotiable, Plug-and-Play Functionality
- Low power consumption with Green Ethernet Technology
- [Read a product review](#)

Applications

- Racks in small, distributed networks, such as wall-mount racks, where space is limited
- SOHOs, retailers, restaurants, schools, warehouses, branch offices, etc.

Package Includes

- NSU-G16
- Rack-mount hardware
- Owner's manual



- Auto MDI/MDIX crossover detection provides true, plug-and-play functionality
- 32 Gbps switching capacity at Full-Duplex
- Store-and-Forward switching method
- 2Mb RAM for data buffering
- 8K address MAC address table
- Supports Jumbo Frames up to 9216 Bytes
- Power ON/OFF LED illuminates to indicate that the switch is receiving power
- RJ45 LED's Per Port (Left LED Blinks Green for Activity, Right LED is off for 10/100 Mbps speeds, and solid Green for 1000 Mbps)
- Compliant with IEEE 802.3ab (1000BASE-T GbE), IEEE 802.3u (100BASE-TX Fast Ethernet), IEEE 802.3i (10BASE-T Ethernet), IEEE 802.3x (Full Duplex/Flow Control), IEEE 802.3 (NWAY Auto-Negotiation), 802.3ac (VLAN) and 802.3az (Energy Efficient Ethernet)

Power Management:

- Using Green Ethernet technology, energy efficiency is maximized by (i) turning off Ethernet ports not in use or connected to a shutdown computer and (ii) adjusting power usage relative to network cable lengths

Rack-mount Configuration:

- 1U Horizontal 19-inch rackmount
- Constructed of heavy-duty steel housing

Specifications

OVERVIEW	
PDU Type	Basic
OUTPUT	
Output Receptacles	(8) 5-15R
Output Circuit Breakers	12A
Individual Outlet Switching	No
INPUT	
PDU Input Voltage	100; 120; 127
Maximum Input Amps	12
PDU Plug Type	NEMA 5-15P
Input Cord Length (ft.)	6
Input Cord Length (m)	1.83
Input Phase	Single-Phase
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Power LED (Green for Power On), (x2) RJ-45 LED's Per Port (Left LED Blinks Green for Activity, Right LED is off for 10/100 Mbps speeds, and solid Green for 1000 Mbps)



PHYSICAL	
Unit Dimensions (hwd / in.)	1.71 x 18.66 x 8.4
Unit Dimensions (hwd / cm)	4.34 x 47.4 x 21.34
Unit Weight (lbs.)	6
Unit Weight (kg)	2.72
Color	Black
PDU Form Factor	Horizontal (1U, 2U, etc)
ENVIRONMENTAL	
Storage Temperature Range	14 to 158 F (-10 to 70 C)
Relative Humidity	5 to 95% RH, Non-Condensing
Operating Elevation (ft.)	10,000
Operating Temperature	32 to 104 F (0 to 40 C)
Operating Elevation (m)	3,000
CONNECTIONS	
Connector A	RJ45 (FEMALE) (X16)
Connector B	NEMA 5-15R (X8)
Ports	16
CERTIFICATIONS	
Approvals	UL 60950-1, CAN/CSA-C22.2 No. 60950-1, FCC Part 15 Class A, RoHS 2 (with exemptions), REACH
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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