24-Port Gigabit Ethernet Switch with 12 Outlet PDU

MODEL NUMBER: **NSU-G24**

Highlights

- Combines a Basic PDU and an Unmanaged 24-Port Gigabit Ethernet Switch in only 1U of rack space
- Ideal for racks with limited space such as wall-mount racks
- 1.44kW 12A 120V Basic Power Distribution Unit (PDU) with 12 NEMA 5-15R AC outlets
- 24-port Gigabit Ethernet Switch, Auto-Negotiable, Plug-and-Play Functionality
- Low power consumption with Green Ethernet Technology

Package Includes

- NSU-G24
- Rack-mount hardware
- Owner's manual

Combines a Basic PDU and an Unmanaged 24-Port Gigabit Ethernet Switch in a single, space-saving 1U rack-mount design.

Description

Tripp Lite's NSU-G24 combines a 1.44kW single-phase 120V Basic Power Distribution Unit (PDU) with an Unmanaged 24-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 12 NEMA 5-15R outlets allowing you to power critical IT equipment. The Gigabit Ethernet Network Switch has 24 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-G24 has a rugged design built for years of reliable performance.

Features

Tripp Lite's NSU-G24 combines a 1.44kW single-phase 120V Basic Power Distribution Unit (PDU) with an Unmanaged 24-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
- 12 NEMA 5-15R AC outlets
- NEMA 5-15P input plug; 6 ft. line cord
- 12 Amps

Unmanaged Ethernet Switch:

- 24 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

- Auto MDI/MDIX crossover detection provides true, plug-and-play functionality

- 48 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

- Port Link LED's (LED is off for 10 Mbps speeds, and solid Green for 100/1000 Mbps)

- Port Activity LED's (LED blinks Yellow to indicate activity)

- 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	
UPC Code	037332188397
Product Type	Switch/PDU Combination
PDU Type	Basic

INPUT	
Electrical Consumption (Max)	10W
Maximum Input Amps	12
PDU Plug Type	NEMA 5-15P
Voltage Compatibility (VAC)	120
Input Phase	Single-Phase
Input Plug Type	NEMA 5-15P
Input Cord Length (ft.)	6
Input Cord Length (m)	1.83

OUTPUT	
Output Circuit Breakers	12A
Output Receptacles	(12) 5-15R

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Power LED (Green for Power On), Port Link LED's (LED is off for 10 Mbps speeds, and solid Green for 100/1000 Mbps), Port Activity LED's (LED blinks Yellow to indicate activity)

PHYSICAL	
Primary Form Factor	Rackmount
Color	Black
Minimum Required Rack Depth (cm)	28.96
Minimum Required Rack Depth (inches)	11.4
PDU Form Factor	Horizontal (1U)
Shipping Dimensions (hwd / cm)	31.80 x 54.79 x 11.18
Shipping Dimensions (hwd / in.)	12.52 x 21.57 x 4.40
Shipping Weight (kg)	3.38
Shipping Weight (lbs.)	7.45
Unit Dimensions (hwd / cm)	4.34 x 47.4 x 21.34
Unit Dimensions (hwd / in.)	1.71 x 18.66 x 8.4
Unit Weight (kg)	2.75
Unit Weight (lbs.)	6.06
Rack Units	1

ENVIRONMENTAL	
Storage Temperature Range	14 to 158 F (-10 to 70 C)
Relative Humidity	5 to 95% RH, Non-Condensing
Operating Temperature	32 to 104 F (0 to 40 C)
Power Consumption (Watts)	10
Power Consumption Detail	PDU supports up to 12A total; Network switch consumes up to 10 watts

COMMUNICATIONS	
Network Compatibility	1 Gbps (Gigabit)
Network Compatibility Details	Auto-negotiable
Switching Capacity	48 Gbps
Switching Capacity Details	2 Gbps per port with full duplex

CONNECTIONS	
Ports	24
RJ45 Ports	24
RJ45 Ports Detail	24x 10/100/1000BASE-T
SFP Uplink Ports	0
PoE Supported Ports	0
Network Switch Ports	(24) 10/100/1000 (RJ45)
FEATURES & SPECIFICATIONS	
MAC Addresses	8000
Jumbo Frames	9000
Console Port	No
MAC Auto Learning	No
RMON	No
SNMP	No
Storm Control	No
DHCP Snooping	No
Auto MDI/MDIX Crossover Detection	Yes
STANDARDS & COMPLIANCE	
Certifications	Compliant Standards: 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)
Approvals	UL 60950-1:2996 R12.11, CAN/CSA-C22.2 No. 60950-1-07+A1:2011
WARRANTY	
Product Warranty Period (Worldwide)	5-year limited warranty