

# 24-Port Gigabit Ethernet Switch with 12 Outlet PDU

MODEL NUMBER: NSU-G24











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 autonegotiable 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 Unit12 NEMA 5-15R AC outlets NEMA 5-15P input plug; 6 ft. line cord12 Amps

Unmanaged Ethernet Switch:24 RJ45 Gigabit Ethernet portsAuto-negotiable 10/100/1000 Mbps Ethernet on all ports selects port speed automatically based on the capabilities of the clientAuto MDI/MDIX crossover detection provides true, plug-and-play functionality48 Gbps switching capacity at Full-DuplexStore-and-Forward switching method2Mb RAM for data buffering8K address MAC address tableSupports Jumbo Frames up to 9216 BytesPower ON/OFF LED illuminates to indicate that the switch is receiving powerPort 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

### **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



Rack-mount Configuration:1U Horizontal 19-inch rackmountConstructed of heavy-duty steel housing

#### Works with the Most Popular Web Browsers

The NSU-G24 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 NSU-G24 accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

# **Specifications**

OVERWEN.		
OVERVIEW		
UPC Code	037332188397	
Product Type	Switch/PDU Combination	
PDU Type	Basic	
INPUT		
Input Phase	Single-Phase	
Electrical Consumption (Max)	10W	
Maximum Input Amps	12	
PDU Plug Type	NEMA 5-15P	
Voltage Compatibility (VAC)	120	
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	
POWER		
Power Consumption (Watts)	10	
Power Consumption Detail	PDU supports up to 12A total; Network switch consumes up to 10 watts	
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         28.96           Minimum Required Rack Depth         11.4           PDU Form Factor         Horzontal (*U)           Shipping Dimensions (hwd / in)         12.52 × 21.57 × 4.40           Shipping Dimensions (hwd / in)         31.80 × 64.79 × 11.18           Shipping Weight (kg)         3.38           Unit Dimensions (hwd / in)         1.710 × 18.660 × 8.400           Unit Dimensions (hwd / orn)         4.34 × 7.4 × 21.34           Unit Weight (kg)         2.75           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         3 to 104 F (to to 40 C)           COMMUNICATIONS           Network Compatibility         1 Gbps (Gigabit)           Network Compatibility Details         2 Gbps per port with full duplex           CONNECTIONS           CONNECTIONS           Control Compatibility Details         24           Ports         24           Ports Detail         24 × 10/100/1000 BASE-T           SIPU Uplink Ports         0           Poet Supported Ports         0 <th></th> <th></th>			
Inches   I	Minimum Required Rack Depth (cm)	28.96	
Shipping Dimensions (hwd / in.)         12.52 x 21.57 x 4.40           Shipping Dimensions (hwd / cm)         31.80 x 54.79 x 11.18           Shipping Weight (fbs.)         7.45           Shipping Weight (kg)         3.38           Unit Dimensions (hwd / cm)         1.710 x 18.860 x 8.400           Unit Dimensions (hwd / cm)         4.34 x 47 x 21.34           Unit Weight (kg)         6.06           Unit Weight (kg)         2.75           Rack Units         1           ENVIRONMENTAL           Storage Temperature Range         14 to 158 F (-10 to 70 C)           Relative Humidity         5 to 95% RH, Non-Condensing           Communications           Network Compatibility         1 Gbps (Gigabit)           Network Compatibility         1 Gbps (Gigabit)           Network Compatibility Details         Auto-negotiable           Switching Capacity Details         2 Gbps per port with full duplex           CONNECTIONS           Ports         24           Ports         24           Ports         24           Ports         24           Ports         24           Ports         24	Minimum Required Rack Depth (inches)	11.4	
Shipping Dimensions (hwd / cm)         31.80 x 54.79 x 11.18           Shipping Weight (libs)         7.45           Shipping Weight (kg)         3.38           Unit Dimensions (hwd / cm)         4.710 x 18.690 x 8.400           Unit Weight (bts)         6.08           Unit Weight (kg)         2.75           Rack Units         1           ENVIRONMENTAL           Storage Temperature Range         14 to 158 F (-10 to 70 C)           Relative Humidity         5 to 95% RH, Non-Condensing           COMMUNICATIONS           Network Compatibility Details         1 Gbps (Gigabit)           Network Compatibility Details         Auto-negotable           Switching Capacity         48 Gbps           Switching Capacity Details         2 Gbps per port with full duplex           CONNECTIONS           Number of Ports         24           Ports Detail         24           Ports Detail         24 to 10/100/1000BASE-T           SPF Uplink Ports         0           PoE Supported Ports         0           Network Switch Ports         0           PoE Supported Ports         0           Network Switch Ports         0           PoE Supported Po	PDU Form Factor	Horizontal (1U)	
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Shipping Weight (kg)         3.38           Unit Dimensions (hwd / in.)         1.710 x 18.660 x 8.400           Unit Dimensions (hwd / cm)         4.34 x 47.4 x 21.34           Unit Weight (kg.)         6.06           ENVIRONMENTAL           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)           COMMUNICATIONS           Network Compatibility         1 Gbps (Gigabit)           Network Compatibility Details         Auto-negotiable           Switching Capacity Details         2 Gbps per port with full duplex           CONNECTIONS           Number of Ports         24           Ports         24           Ports         24           Ports         24           Ports         24           Ports Detail         24x 10/100/1000BASE-T           SF Uplink Ports         0           Network Switch Ports         0           Detail         24x 10/100/1000 (RJ45)           FEATURES & SPECIFICATIONS           Jumbo Frames         9000	Shipping Dimensions (hwd / cm)	31.80 x 54.79 x 11.18	
Unit Dimensions (hwd / in.)         1.710 x 18.660 x 8.400           Unit Dimensions (hwd / cm)         4.34 x 47.4 x 21.34           Unit Weight (kg)         2.75           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)           COMMUNICATIONS           Network Compatibility         1 Sbps (Gigabit)           Network Compatibility Details         Auto-negotiable           Switching Capacity         48 Gbps           Switching Capacity Details         2 Gbps per port with full duplex           CONNECTIONS           Number of Ports         24           Ports         24           Ports         24           Ports         24           Ports Detail         24x 10/100/1000BASE-T           SFP Uplink Ports         0           Network Switch Ports         0           Network Switch Ports         (24) 10/100/1000 (RJ45)           FEATURES & SPECIFICATIONS           Jumbo Frames         9000           Console Port         No<	Shipping Weight (lbs.)	7.45	
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ENVIRONMENTAL  Storage Temperature Range	Unit Weight (kg)	2.75	
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)  COMMUNICATIONS  Network Compatibility 1 Gbps (Gigabit) Network Compatibility 48 Gbps Switching Capacity 48 Gbps Switching Capacity 2 Gbps per port with full duplex  CONNECTIONS  Number of Ports 2 4  Ports 24  Ports 24  Ports Detail 24x 10/100/1000BASE-T  SFP Uplink Ports 0  Network Switch Ports (24) 10/100/1000 (RJ45)  FEATURES & SPECIFICATIONS  Jumbo Frames 9000  Console Port No	Rack Units	1	
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Switching Capacity Details  2 Gbps per port with full duplex  CONNECTIONS  Number of Ports  24  Ports  24  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  Jumbo Frames  9000  Console Port  No	Network Compatibility Details	Auto-negotiable	
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Number of Ports         24           Ports         24           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           Jumbo Frames         9000           Console Port         No	Switching Capacity Details	2 Gbps per port with full duplex	
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Console Port No	FEATURES & SPECIFICATIONS		
	Jumbo Frames	9000	
MAC Auto Learning No	Console Port	No	
	MAC Auto Learning	No	



8000		
No		
Yes		
STANDARDS & COMPLIANCE		
UL 60950-1; CAN/CSA-C22.2 No. 60950-1 (Canada)		
WARRANTY & SUPPORT		
5-year limited warranty		



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