

Cat6A cables, such as Tripp Lite's N261-Series, are recommended for optimal performance

24-Port Gigabit Ethernet Switch with 12 Outlet PDU, 2 SFP and 8 PoE+ Ports, 120W

MODEL NUMBER: **NSU-G24C2P08**



Combines a Basic PDU and an Unmanaged 24-Port Gigabit Ethernet Switch (8 Ports PoE+) with 2 SFP uplink ports in a single, space-saving 1U rack-mount design.

Description

Tripp Lite's NSU-G24C2P08 combines a 1.44kW single-phase 120V Basic Power Distribution Unit (PDU) and an Unmanaged 24-Port Gigabit Ethernet Switch (8 Ports POE+) with 2 Combo SFP (Small Form-Factor Pluggable) uplink ports, 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. It features 8 PoE+ ports, which support up to 30W per port and a POE budget of 120W, to connect POE devices such as Wireless APs, IP Cameras, VoIP phones and more. Two Combo SFP ports can uplink to other switches using optical fiber. 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-G24C2P08 has a rugged design built for years of reliable performance.

Features

Tripp Lite's NSU-G24C2P08 combines a 1.44kW single-phase 120V Basic Power Distribution Unit (PDU) and an Unmanaged 24-Port Gigabit Ethernet Switch (8 Ports PoE+) with 2 Combo SFP uplink ports, for an all-in-one 1U rack-mount solution.

Power Distribution Unit (PDU):

Highlights

- Combines a Basic PDU and an Unmanaged 24-Port Gigabit Ethernet PoE+ Switch with 2 SFP uplink ports in only 1U of rack space
- Ideal for racks with limited space such as wall-mount racks
- Features 8 PoE+ ports, which support up to 30W per port and a POE budget of 120W, using standard Cat5e or better cabling
- 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.
- 2 Combo SFP (Mini-GBIC) ports for uplink to other switches via optical fiber
- Low power consumption with Green Ethernet Technology

Package Includes

- NSU-G24C2P08
- Rack-mount hardware
- Owner's manual



- 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, 8 Ports PoE+
- 8 PoE+ ports support up to 30W per port and a POE budget of 120W, to connect POE devices such as Wireless APs, IP Cameras, VoIP phones and more
- 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
- Two SFP (Mini-GBIC) ports for uplinking to other switches using optical fiber. Each SFP port is shared with a RJ45 port. When the SFP port is active, the corresponding RJ-45 port will be disabled.
- 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
- RJ45 LED's Per Port (Left LED Blinks Green for Activity, Right LED is off for 10 Mbps speeds, and solid Green for 100/1000 Mbps)
- POE LED's (LED is solid Green when a device is connected and power is being provided through the port, and blinks when the connected device exceeds the POE Budget or a device fault is detected)
- 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
- 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), IEEE 802.1P (QOS, Traffic Prioritization), IEEE 802.3at (POE+), IEEE 802.3ac (VLAN) and IEEE 802.3az (Energy Efficient Ethernet)
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Rack-mount Configuration:

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



Specifications

OVERVIEW	
UPC Code	037332184412
PDU Type	Basic
OUTPUT	
Output Receptacles	(12) 5-15R
Output Circuit Breakers	12A
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 Mbps speeds, and solid Green for 100/1000 Mbps), POE LED's LED is solid Green when a device is connected and power is being provided through the port, and blinks when the connected device exceeds the POE Budget or a device fault is detected)
PHYSICAL	
Primary Form Factor	Rackmount
Minimum Required Rack Depth (inches)	11.4
Minimum Required Rack Depth (cm)	28.96
Shipping Dimensions (hwd / in.)	4.41 x 21.57 x 12.52
Shipping Dimensions (hwd / cm)	11.20 x 54.79 x 31.80
Shipping Weight (lbs.)	8.44
Shipping Weight (kg)	3.83
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.)	7.05
Unit Weight (kg)	3.20
Color	Black
PDU Form Factor	Horizontal (1U)



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	
Ports	24
Network Switch Ports	(22) 10/100/1000 (RJ45); (2) Combo RJ45/SFP
PoE Supported Ports	8
PoE Capability	15.4W (802.3af); 30W (802.3at)
PoE Power Budget (Watts)	120
PoE Port Description	Ports 1-8 support up to 30W (PoE+) per port and a PoE budget of 120W
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)	5-year limited warranty

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