24-Port Gigabit Ethernet Switch w/ 12 Outlet PDU, 2 SFP Ports

MODEL NUMBER: **NSU-G24C2**

Description

Tripp Lite's NSU-G24C2 combines a 1.44kW single-phase 120V Basic Power Distribution Unit (PDU) and an Unmanaged 24-Port Gigabit Ethernet Switch 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. 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-G24C2 has a rugged design built for years of reliable performance.

Features

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
- 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 10/100 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	(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 10/100 Mbps speeds, and solid Green for 1000 Mbps)
PHYSICAL	
Primary Form Factor	Rackmount

Minimum Required Rack Depth (inches)	11.4
Minimum Required Rack Depth (cm)	28.96
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.)	6.75
Unit Weight (kg)	3.06
Color	Black
PDU Form Factor	1U; Horizontal
Minimum Required Rack Depth (mm)	290

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; Console (RJ45)

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