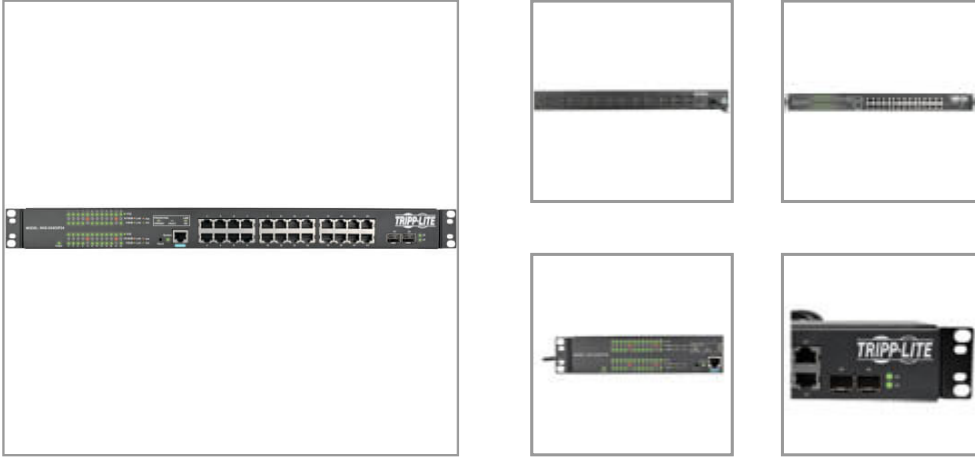# 24 10/100/1000Mbps Port Gigabit L2 Web-Smart Managed PoE+ Switch, 240W; 2 Dedicated SFP Gigabit Slots, 52 Gbps, 12-Outlet 120V PDU

MODEL NUMBER: **NSS-G24D2P24**

Combines a managed 24-port PoE+ Gigabit network switch with a basic PDU/surge protector in one 1U rack-mount unit. Ideal for monitoring and controlling an LAN and powering equipment in a small-to-medium distributed network.

Description

The energy-efficient NSS-G24D2P24 24-Port PoE+ Gigabit L2 Web-Smart Managed Network Switch does more than complete your home or office LAN. It also features a basic 120V 15A PDU to distribute reliable AC power to critical IT equipment in your wiring closet, server room or equipment rack. Two dedicated SFP ports are also included for uplinking data to other switches via optical fiber or copper.

This switch features 24 twisted-pair RJ45 Gigabit Ethernet ports that support auto-negotiable 10/100/1000 Mbps and auto MDI/MDIX cross-over detection functions for convenient plug-and-play capability. Each port can be configured to supply up to 30W of PoE+ (Power over Ethernet) power via network cable to connected devices, such as VoIP phones and video cameras. Easy-to-read LEDs indicate connection and activity status for each port. Built-in management software lets you monitor and control each connected device via secure web-based interface. Each port supports up to 2 Gbps with full duplex.

The rear panel contains 12 NEMA 5-15R outlets that supply continuous power to connected devices. Your equipment is protected by 3860 joules of Isobar surge suppression, as well as front-panel LEDs that let you monitor line status at a glance. A 12A circuit breaker trips if the current drawn by connected equipment exceeds the PDU's maximum load rating.

The NSS-G24D2P24 supports IEEE802.3az Energy Efficient Ethernet standards. The heavy-duty metal housing mounts into 1U of an EIA-standard 19-inch rack using the included hardware.

Features

Enterprise Managed Network Switch24 twisted-pair RJ45 Gigabit Ethernet portsAuto-negotiable 10/100/1000 MbpsAutomatic MDI/MDIX cross-over detection52 Gbps switching capacity (2 Gbps per port with full duplex)Easy-to-read LEDs indicate connection, activity and PoE status for each portSupports 10k jumbo framesSupports MAC address auto-learning and auto-aging up to 16,000 addressesAdvanced Enterprise level, L2 management features

240W Total PoE+ Budget Each port can be configured to supply PoE+ power via network cable to connected devices, such as VoIP phones and video cameras30W max per port

Advanced Network Monitoring Built-in Ethernet network interface allows full remote access for monitoring, configuration and control and notifications via web browserVLAN, trunking and other features improve switch's and network's efficiency and performance

Basic 120V 15A PDU12 NEMA 5-15R rear outlets supply continuous power to connected devices3860

joules of Isobar surge suppressionFront-panel LEDs indicate protection, fault, and line status40-80 dB EMI/RFI noise reduction

Dual Dedicated SFP Ports Connect two SFP (Mini-GBIC) transceiver modules for uplinking to other switches via optical fiber or copperLEDs indicate interface traffic

Compliant with Energy Efficient Ethernet standards Automatically shifts unused ports to low power state without interrupting network connectionMeets IEEE 802.3ab, 802.3i, 802.3u, 802.3x, 802.3, 802.1q, 802.1d, 802.1w, 802.3ad and 802.3az standards

Mounts Horizontally in 1U of Rack Space Compatible with EIA-standard 19 in. racks and rack enclosuresNEMA 5-15P plug with 6 ft. AC power cord

Works with the Most Popular Web Browsers
The NSS-G24D2P24 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 NSS-G24D2P24 accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

Specifications

OVERVIEW	
UPC Code	037332195302
Product Type	Switch/PDU Combination
PDU Type	Basic

INPUT	
Input Phase	Single-Phase
Electrical Consumption (Max)	305W
Electrical Consumption (Max PoE Load)	240W
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)	305
Power Consumption Detail	PDU supports up to 12A total; Network switch consumes up to 305 watts (with a maximum POE load of 240 watts)

CONNECTIONS	
Number of Ports	26
Ports	24
Ports Detail	24x 10/100/1000BASE-T; 1x Console
SFP Uplink Ports	2
SFP Uplink Ports Detail	2x Mini-GBIC SFP Uplinks
PoE Capability	15.4W (802.3af); 30W (802.3at)
PoE Power Budget (Watts)	240
PoE Supported Ports	24
Network Switch Ports	(24) 10/100/1000 (RJ45); (2) Dedicated SFP; (1) Console (RJ45)
PoE Type	Type 2 PoE+ (30W, IEEE 802.3at)

USER INTERFACE, ALERTS & CONTROLS	
Switches	2 included switches enable HARD factory reset and SOFT factory reset options
LED Indicators	Power LED (Green for Power On); Three LEDs per RJ45 port (Green indicates 10/100Mbps link; Amber indicates 1000Mbps link; Green indicates PoE status; LEDs flash to indicate port activity); Two LEDs indicate SFP connection (Green); One LED indicates system status (Green); Set of 3 LEDs indicate surge suppression status (Green: Protection Present / Red: Fault / Green: Line OK)

SURGE / NOISE SUPPRESSION	
AC Suppression Joule Rating	3860
Protection Modes	L-N, L-G, N-G
Clamping Voltage (RMS)	330
EMI / RFI Filtering	40-80dB

PHYSICAL	
Primary Form Factor	Rackmount
Color	Black
Minimum Required Rack Depth (cm)	39.12
Minimum Required Rack Depth (inches)	15.4
PDU Form Factor	Horizontal (1U)
Shipping Dimensions (hwd / in.)	4.60 x 16.90 x 20.70
Shipping Dimensions (hwd / cm)	11.68 x 42.93 x 52.58
Shipping Weight (lbs.)	13.60
Shipping Weight (kg)	6.17
Unit Dimensions (hwd / in.)	1.710 x 17.320 x 12.400
Unit Dimensions (hwd / cm)	4.34 x 44 x 31.5
Unit Weight (lbs.)	10.80

Unit Weight (kg)	4.90
Rack Units	1

ENVIRONMENTAL

Storage Temperature Range	14° to 158°F (-10° to 70°C)
Relative Humidity	5 to 95% (Non-condensing)
Operating Elevation	10000
Operating Temperature	32 to 104 F (0 to 40 C)

COMMUNICATIONS

Network Compatibility	1 Gbps (Gigabit)
Network Compatibility Details	Auto-negotiable
Switching Capacity	52 Gbps
Switching Capacity Details	2 Gbps per port with full duplex

FEATURES & SPECIFICATIONS

Jumbo Frames	10000
OSI Layer	Layer 2
Console Port	Yes
MAC Auto Learning	Yes
MAC Addresses	16000
RMON	Yes
SNMP	Yes
Storm Control	Yes
DHCP Snooping	Yes
Auto MDI/MDIX Crossover Detection	Yes
Fans (Type/Quantity)	Fanless

STANDARDS & COMPLIANCE

Product Certifications	CAN/CSA-C22.2 No. 60950-1 (Canada); NOM (Mexico); UL 1449; UL 60950-1
Product Compliance	RoHS; IEEE 802.1d (STP); IEEE 802.1q Tagged VLAN; IEEE 802.1w (RSTP); IEEE 802.3 Auto-Negotiation; IEEE 802.3ab 1000Base-T; IEEE 802.3ad (LACP); IEEE 802.3at PoE+; IEEE 802.3az (Energy Efficient Ethernet); IEEE 802.3i 10Base-T; IEEE 802.3u 100Base-TX/FX; IEEE 802.3x Flow Control; FCC Part 15 Class A (USA)

WARRANTY & SUPPORT

Product Warranty Period (Worldwide)	5-year limited warranty

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