

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**



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 Switch

- 24 twisted-pair RJ45 Gigabit Ethernet ports
- Auto-negotiable 10/100/1000 Mbps
- Automatic MDI/MDIX cross-over detection
- 52 Gbps switching capacity (2 Gbps per port with full duplex)
- Easy-to-read LEDs indicate connection, activity and PoE status for each port

Highlights

- IP-MAC-Port-Binding, ACL, Storm Control
- Port Security, DHCP Snooping, 802.1x, L2
- WEB management, SNMP, RMON features
- 24 PoE+ ports and 2 dedicated SFP slots
- 240W PoE+ Total Power Budget
- Enterprise-level, security and layer 2 management
- 3860-joule surge protection rating
- Built-in 12-outlet PDU with diagnostic LEDs

Package Includes

- NSS-G24D2P24 24-Port Gigabit L2 Web-Smart Managed Network Switch
- Rack-mounting hardware
- Owner's manual



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- Supports 10k jumbo frames
- Supports MAC address auto-learning and auto-aging up to 16,000 addresses
- Advanced 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 cameras
- 30W max per port

Advanced Network Monitoring

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

Basic 120V 15A PDU

- 12 NEMA 5-15R rear outlets supply continuous power to connected devices
- 3860 joules of Isobar surge suppression
- Front-panel LEDs indicate protection, fault, and line status
- 40–80 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 copper
- LEDs indicate interface traffic

Compliant with Energy Efficient Ethernet standards

- Automatically shifts unused ports to low power state without interrupting network connection
- Meets 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 enclosures
- NEMA 5-15P plug with 6 ft. AC power cord

Specifications

OVERVIEW	
PDU Type	Basic
OUTPUT	
Output Receptacles	(12) 5-15R
Output Circuit Breakers	12A
INPUT	
PDU Input Voltage	100; 120; 127
PDU Plug Type	NEMA 5-15P



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Input Cord Length (ft.)	6
Input Cord Length (m)	1.83
Input Phase	Single-Phase
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 RJ-45 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
Minimum Required Rack Depth (inches)	15.4
Minimum Required Rack Depth (cm)	39.12
Shipping Weight (lbs.)	13.45
Shipping Weight (kg)	6.1
Unit Dimensions (hwd / in.)	1.71 x 17.32 x 12.4
Unit Dimensions (hwd / cm)	4.34 x 44 x 31.5
Unit Weight (lbs.)	10.8
Unit Weight (kg)	4.90
Color	Black
PDU Form Factor	1U; Horizontal
Minimum Required Rack Depth (mm)	391
ENVIRONMENTAL	
Storage Temperature Range	14 to 158 F (-10 to 70 C)
Relative Humidity	5 to 95% (Non-condensing)
Operating Elevation (ft.)	10,000
Operating Temperature	32 to 104 F (0 to 40 C)
Operating Elevation (m)	3,000



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CONNECTIONS	
Ports	26
Network Switch Ports	(24) 10/100/1000 (RJ45); (2) Dedicated SFP; (1) Console (RJ45)
PoE Supported Ports	24
PoE Capability	15.4W (802.3af); 30W (802.3at)
PoE Power Budget (Watts)	240
CERTIFICATIONS	
Certifications	Compliant standards: IEEE 802.3ab (1000BASE-T GIGABIT ETHERNET), IEEE 802.3i (10BASE-T ETHERNET), IEEE 802.3u (100BASE-T ETHERNET), IEEE 802.3x (FULL DUPLEX/FLOW CONTROL), IEEE 802.3 (NWAY AUTO-NEGOTIATION), 802.1Q (TAGGED VLAN), 802.1D (STP), 802.1w (RSTP), 802.3ad (LACP), 802.3az (ENERGY EFFICIENT ETHERNET), 802.3at (POWER OVER ETHERNET)
Approvals	Tested to: UL 60950-1, UL 1449 3rd Edition, CAN/CSA-C22.2 No. 60950-1, FCC Part 15 Class A, NOM
WARRANTY	
Product Warranty Period (Worldwide)	5-year limited warranty

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