24 10/100/1000Mbps Port Gigabit L2 Managed Switch, 2 Dedicated Gigabit SFP Slots, 52Gbps, Web/CLI, 12-Outlet 120V PDU

MODEL NUMBER: **NSS-G24D2**

Highlights

- IP-MAC-Port-Binding, ACL, Storm Control
- Port Security, DHCP Snooping, 802.1x, L2
- WEB/CLI management, SNMP, RMON features
- 24 ports and 2 dedicated Mini-GBIC SFP slots
- Enterprise-level, security and layer 2 management
- Cost-effective form factor for small and medium businesses
- Built-in 12-outlet PDU
- 3860 Joule suppression rating, Diagnostic LEDs

Package Includes

- NSS-G24D2 24-Port Gigabit L2 Managed Network Switch
- Mounting hardware
- Owner's manual

Description

The energy-efficient NSS-G24D2 24-Port Gigabit L2 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 mini-GBIC 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. 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-G24D2 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. The six-foot input cord with NEMA 5-15P plug connects to a protected UPS, generator or mains input AC source.

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 and activity status for each port
- Supports 10k jumbo frames

- Supports MAC address auto-learning and auto-aging up to 16,000 addresses
- Advanced Enterprise level, L2 management features

Built-In Management Software
- Monitor and control connected equipment via secure web-based interface
- 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 Mini-GBIC SFP Ports
- Connect to Mini-GBIC SFP 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

Dedicated RJ45 Console Port
- Enables command line access to the unit

Mounts Horizontally in 1U of Rack Space
- Compatible with EIA-standard 19 in. racks and rack enclosures
- Fanless metal housing for silent operation
- 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
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); Two LEDs per RJ-45 port (Green indicates 10/100Mbps link; Amber indicates 1000Mbps link; 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.)	11.4
Shipping Weight (kg)	5.2
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.)	8.49
Unit Weight (kg)	3.85
Color	Black
PDU Form Factor	Horizontal (1U, 2U, etc)
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

CONNECTIONS	
Ports	26
Network Switch Ports	(24) 10/100/1000 (RJ45); (2) Dedicated SFP; (1) Console (RJ45)
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)
Approvals	Tested to: UL 60950-1, UL 1449 3rd Edition, CAN/CSA-C22.2 No. 60950-1, FCC Part 15 Class A, REACH, NOM
WARRANTY	
Product Warranty Period (Worldwide)	5-year limited warranty