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

MODEL NUMBER: NSS-G24D2

Highlights

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

Package Includes

- NSS-G24D2 24-Port Gigabit Web-Smart L2 Managed Network Switch
- Rack-mounting hardware
- Owner's manual

Combines a fully managed 24-port 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-G24D2 24-Port 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. 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

Web-Smart 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 and activity status for each portSupports 10k jumbo framesSupports MAC address auto-learning and auto-aging up to 16,000 addressesAdvanced Enterprise level, L2 management features

Built-In Management Software Monitor and control connected equipment via secure web-based interfaceVLAN, 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 enclosuresFanless metal housing for silent operationNEMA 5-15P plug with 6 ft. AC power cord

Works with the Most Popular Web Browsers
The NSS-G24D2 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-G24D2 accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

Specifications

OVERVIEW	
UPC Code	037332195487
Product Type	Switch/PDU Combination
PDU Type	Basic

INPUT	
Electrical Consumption (Max)	30W
PDU Plug Type	NEMA 5-15P
Voltage Compatibility (VAC)	120
Input Phase	Single-Phase
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)	30
Power Consumption Detail	PDU supports up to 12A total; Network switch consumes up to 30 watts

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 RJ45 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
Color	Black
Minimum Required Rack Depth (cm)	39.12
Minimum Required Rack Depth (inches)	15.4
PDU Form Factor	Horizontal (1U)
Shipping Dimensions (hwd / cm)	11.68 x 43.18 x 51.82
Shipping Dimensions (hwd / in.)	4.60 x 17.00 x 20.40
Shipping Weight (kg)	5.22
Shipping Weight (lbs.)	11.50
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
Rack Units	1

ENVIRONMENTAL	
Storage Temperature Range	14 to 158 F (-10 to 70 C)
Relative Humidity	5 to 95% (Non-condensing)
Operating Elevation (ft.)	10000
Operating Temperature	32 to 104 F (0 to 40 C)
Operating Elevation (m)	3000

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

CONNECTIONS

Number of Ports	26
RJ45 Ports	24
RJ45 Ports Detail	24x 10/100/1000BASE-T; 1x Console
SFP Uplink Ports	2
SFP Uplink Ports Detail	2x Mini-GBIC SFP Uplinks
PoE Supported Ports	0
Network Switch Ports	(24) 10/100/1000 (RJ45); (2) Dedicated SFP; (1) Console (RJ45)

FEATURES & SPECIFICATIONS

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

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 802.3az (Energy Efficient Ethernet); IEEE 802.3i 10Base-T; IEEE 802.3u 100Base-TX/FX; IEEE 802.3x Flow Control; REACH; FCC Part 15 Class A (USA)

WARRANTY

Product Warranty Period (Worldwide)	5-year limited warranty