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## 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**



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

#### 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



#### **Web-Smart 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 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
- Fanless metal housing for silent operation
- NEMA 5-15P plug with 6 ft. AC power cord

## **Specifications**

### **OVERVIEW**

UPC Code

037332195487



PDU Type	Basic
<b>OUTPUT</b>	
Output Receptacles	(12) 5-15R
Output Circuit Breakers	12A
<b>INPUT</b>	
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
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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)
<b>SURGE / NOISE SUPPRESSION</b>	
AC Suppression Joule Rating	3860
Protection Modes	L-N, L-G, N-G
Clamping Voltage (RMS)	330
EMI / RFI Filtering	40-80dB
<b>PHYSICAL</b>	
Primary Form Factor	Rackmount
Minimum Required Rack Depth (inches)	15.4
Minimum Required Rack Depth (cm)	39.12
Shipping Dimensions (hwd / in.)	4.600 x 17.000 x 20.400
Shipping Dimensions (hwd / cm)	11.68 x 43.18 x 51.82
Shipping Weight (lbs.)	11.5000
Shipping Weight (kg)	5.22
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)
<b>ENVIRONMENTAL</b>	
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
<b>CONNECTIONS</b>	
Ports	26
Network Switch Ports	(24) 10/100/1000 (RJ45); (2) Dedicated SFP; (1) Console (RJ45)
<b>CERTIFICATIONS</b>	
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
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	5-year limited warranty

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