

# 16 10/100/1000Mbps Port Gigabit L2 Web-Smart Managed Switch, 2 SFP Slots, 36 Gbps, Web, 8-Outlet 120V PDU/Surge Protect

MODEL NUMBER: **NSS-G16D2**



Combines a Web-Smart 16-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-G16D2 16-Port Gigabit L2 Web-Smart Managed 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 16 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 eight NEMA 5-15R outlets that supply continuous power to connected devices. Your equipment is protected by 3860 joules of 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-G16D2 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** 16 twisted-pair RJ45 Gigabit Ethernet ports Auto-negotiable 10/100/1000 Mbps Automatic MDI/MDIX cross-over detection 36 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

**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** 8 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

## Highlights

- IP-MAC-Port-Binding, ACL, Storm Control
- Port Security, DHCP Snooping, 802.1x, L2
- WEB management, SNMP, RMON features
- 16 ports and 2 dedicated Mini-GBIC SFP slots
- Enterprise-level, security and layer 2 management
- 3860-joule surge protection rating
- Built-in 8-outlet PDU with diagnostic LEDs

## Package Includes

- NSS-G16D2 16-Port Gigabit L2 Managed Network Switch
- Rack-mounting hardware
- Owner's manual



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**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

**Works with the Most Popular Web Browsers**

The NSS-G16D2 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-G16D2 accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

## Specifications

OVERVIEW	
UPC Code	037332195470
Product Type	Switch/PDU Combination
PDU Type	Basic
INPUT	
Input Phase	Single-Phase
Electrical Consumption (Max)	30W
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	(8) 5-15R
POWER	
Power Consumption (Watts)	30
Power Consumption Detail	PDU supports up to 12A total; Network switch consumes up to 30 watts
CONNECTIONS	
Number of Ports	18
Ports	16



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Ports Detail	16x 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	(16) 10/100/1000 (RJ45); (2) Dedicated SFP; (1) Console (RJ45)
<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 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)
<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
Color	Black
Housing 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.)	4.70 x 17.00 x 20.70
Shipping Dimensions (hwd / cm)	11.94 x 43.18 x 52.58
Shipping Weight (lbs.)	10.80
Shipping Weight (kg)	4.90
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.)	8.49
Unit Weight (kg)	3.85
Rack Units	1
<b>ENVIRONMENTAL</b>	
Storage Temperature Range	14° to 158°F (-10° to 70°C)
Relative Humidity	5 to 95% (Non-condensing)



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Operating Elevation	0-10000 ft. (0-3000 m)
Operating Temperature	32 to 104 F (0 to 40 C)
<b>COMMUNICATIONS</b>	
Network Compatibility	1 Gbps (Gigabit)
Network Compatibility Details	Auto-negotiable
Switching Capacity	36 Gbps
Switching Capacity Details	2 Gbps per port with full duplex
<b>FEATURES &amp; SPECIFICATIONS</b>	
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
<b>STANDARDS &amp; COMPLIANCE</b>	
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)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	5-year limited warranty

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