

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

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 |
| USER INTERFACE, ALERTS & CONTROLS | |
| Switches | 2 included switches enable HARD factory reset and SOFT factory reset options |

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|--------------------------------------|---|
| 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 |
| 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 |
| 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 |

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|--------------------------------------|--|
| Switching Capacity | 36 Gbps |
| Switching Capacity Details | 2 Gbps per port with full duplex |
| CONNECTIONS | |
| Number of Ports | 18 |
| RJ45 Ports | 16 |
| RJ45 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) |
| FEATURES & SPECIFICATIONS | |
| 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 |
| 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 & SUPPORT | |
| Product Warranty Period (Worldwide) | 5-year limited warranty |



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