

## 16-Port 10/100/1000 Mbps 1U Rack-Mount/Desktop Gigabit Ethernet Unmanaged Switch, Metal Housing

MODEL NUMBER: NG16



### Description

The NG16 16-Port 10/100/1000 Mbps 1U Rack-Mount/Desktop Gigabit Ethernet Unmanaged Switch adds 10/100/1000 Mbps Ethernet capacity to your home office, small office, workgroup or creative production environment. Share large bandwidth-intensive files, such as CAD drawings and videos, at Gigabit speeds, improving efficiency and cutting costly downtime.

This rack-mount/desktop 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. No configuration is required, so you can have your Gigabit network up and running immediately. Easy-to-read LEDs indicate connection and activity status for each port. IEEE 802.3x flow control allows smooth transmission of large files.

The NG16 supports IEEE 802.3az Energy Efficient Ethernet standards by putting unused ports into a low-power state without interrupting network connections. It consumes very little input power—just seven watts max. The detachable five-foot input cord with NEMA 5-15P plug connects to a protected UPS, generator or mains input AC source. The heavy-duty metal housing is designed for desktop installation or mounting into 1U of an EIA-standard 19-inch rack with the included brackets.

### Features

#### Unmanaged Network Switch for Home/Small Offices or Workgroups

- 16 twisted-pair RJ45 Gigabit Ethernet ports
- Auto-negotiable 10/100/1000 Mbps
- Automatic MDI/MDIX cross-over detection
- 32 Gbps switching capacity (2 Gbps per port with full duplex)
- Easy-to-read LEDs indicate connection and activity status for each port
- Supports 9k jumbo frames
- Supports MAC address auto-learning and auto-aging
- Supports 802.3x flow control (full duplex) and back pressure (half duplex)

### Highlights

- 16 auto-negotiable 10/100/1000 Mbps RJ45 ports
- Supports auto MDI/MDIX cross-over function
- Consumes very little input power—just 7W max
- 2 Gbps switching capacity per port with full duplex
- Plug-and-play with no configuration required

### Package Includes

- NG16 16-Port 10/100/1000 Mbps 1U Rack-Mount/Desktop Gigabit Ethernet Unmanaged Switch
- Detachable AC power cord with NEMA 5-15P plug, 5 ft.
- (2) Mounting brackets
- (8) Screws
- (4) Rubber feet
- Owner's manual



#### Compliant with IEEE 802.3az Energy Efficient Ethernet Standards

- Automatically shifts unused ports to low-power state without interrupting network connection
- Consumes very little input power—just 7W max
- Also meets IEEE 802.3ab, 802.3i, 802.3u and 802.3 standards

#### Heavy-Duty Metal Housing

- Fanless design for silent operation
- Detachable 5 ft. AC power cord with NEMA 5-15P plug
- Plug-and-play—no configuration necessary

#### Versatile Installation Options

- Includes rubber feet for secure placement on flat desktop surface
- Mounts in 1U of EIA-standard 19 in. rack with included brackets
- Grounding lug included

## Specifications

INPUT	
Electrical Consumption	Up to 7 watts
Nominal Input Voltage Description	Accepts 100-240V AC nominal input
Plug Type	Includes NEMA 5-15P input plug
Input Cord Length (ft.)	5
Input Cord Length (m)	1.52
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Power LED (Green for Power On); One LED per RJ-45 port (Green indicates 10/100Mbps link; Amber indicates 1000Mbps link; LEDs flash to indicate port activity)
PHYSICAL	
Primary Form Factor	Desktop; Rackmount
Shipping Dimensions (hwd / in.)	3.03 x 9.65 x 17.24
Shipping Dimensions (hwd / cm)	7.7 x 24.51 x 43.8
Shipping Weight (lbs.)	4.92
Shipping Weight (kg)	2.23
Unit Dimensions (hwd / in.)	1.74 x 11.02 x 7.09
Unit Dimensions (hwd / cm)	4.42 x 27.99 x 18.01
Unit Weight (lbs.)	3.2
Unit Weight (kg)	1.45



Color	Black
Form Factors Supported	Desktop, Rackmount
<b>ENVIRONMENTAL</b>	
Storage Temperature Range	-40 to 158F (-40 to 70C)
Relative Humidity	10 to 90% (non-condensing)
Operating Temperature	32 to 104F (0 to 40C)
<b>CONNECTIONS</b>	
Network Switch Ports	(16) 10/100/1000 (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), 802.3az (ENERGY EFFICIENT ETHERNET)
Approvals	Tested to North American safety and EMI standards UL60950-1: 2007 (2ND ED) +A1+A2 R14; CAN/CSA C22.2 NO. 60950-1-07, 2ND EDITION, 2014-10; FCC Class B; RoHS Compliant
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	5-year limited warranty

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