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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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# 24-Port 10/100/1000 Mbps 1U Rack-Mount/Desktop Gigabit Ethernet Unmanaged Switch, 2 Gigabit SFP Ports, Metal Housing

MODEL NUMBER: **NG24**

Energy-efficient unmanaged switch sets up in seconds with no configuration required. Provides a Gigabit network connection for multiple devices. Ideal for home or small offices, workgroups and creative production environments.

## Description

The NG24 24-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 24 twisted-pair RJ45 Gigabit Ethernet ports that support auto-negotiable 10/100/1000 Mbps and auto MDI/MDIX cross-over detection functions. Dual mini-GBIC SFP ports allow connection to other switches using optical fiber or copper. 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 NG24 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 20 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**

- 24 twisted-pair RJ45 Gigabit Ethernet ports

- 2 mini-GBIC SFP 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 9k jumbo frames

- Supports MAC address auto-learning and auto-aging

- Supports 802.3x flow control (full duplex) and back pressure (half duplex)

**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 20W 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

| OVERVIEW | |
|---|---|
| UPC Code | 037332194732 |
| **INPUT** | |
| Electrical Consumption | Up to 20 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); Two LEDs per RJ-45 / SFP port indicate connection, activity and connection speed (Upper LED indicates a connection is present and blinks to indicate activity; Lower LED is OFF for 10/100 Mbps connections and ON for 1000 Mbps connections) |

| PHYSICAL | |
|---|---|
| Primary Form Factor | Desktop;  Rackmount |
| Shipping Dimensions (hwd / in.) | 3.600 x 11.700 x 22.200 |
| Shipping Dimensions (hwd / cm) | 9.14 x 29.72 x 56.39 |
| Shipping Weight (lbs.) | 7.5000 |
| Shipping Weight (kg) | 3.40 |
| Unit Dimensions (hwd / in.) | 1.73 x 17.32 x 8.07 |
| Unit Dimensions (hwd / cm) | 4.39 x 43.99 x 20.5 |
| Unit Weight (lbs.) | 5.4 |
| Unit Weight (kg) | 2.45 |
| Color | Black |
| Form Factors Supported | Desktop, Rackmount |

| ENVIRONMENTAL | |
|---|---|
| Storage Temperature Range | -40 to 158F (-40 to 70C) |
| Relative Humidity | 10 to 90% (non-condensing) |
| Operating Temperature | 32 to 104F (0 to 40C) |

| CONNECTIONS | |
|---|---|
| Network Switch Ports | (24) 10/100/1000 (RJ45); (2) Dedicated SFP |

| CERTIFICATIONS | |
|---|---|
| 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 A; RoHS Compliant |

| WARRANTY | |
|---|---|
| Product Warranty Period (Worldwide) | 5-year limited warranty |