

16-Port Unmanaged Industrial Gigabit Ethernet Switch - 10/100/1000 Mbps, DIN Mount

MODEL NUMBER: NGI-U16



Industrial-grade switch expands Ethernet connectivity to factory floors and other environments with space constraints and wide temperature ranges.

Features

16-Port Unmanaged Gigabit Ethernet Switch Connects Your Devices to a LAN

This space-saving switch transmits data over a Gigabit Ethernet network. Sixteen auto-negotiating 10/100/1000 Mbps ports send data only to the devices designated to receive it, which improves the efficiency and potential throughput of the network.

Rugged Metal Housing Built to Last in Harsh Environments

The compact NGI-U16 adds 10/100/1000 Mbps Gigabit Ethernet capacity to your industrial and commercial applications, such as factory floors, warehouse operations and other environments with space constraints and wide temperature ranges. The industrial-grade high-strength case withstands vibration, shock and free fall. It can also operate in extreme temperatures ranging from -40 degrees to 167 degrees Fahrenheit.

Unmanaged Switch Requires Little to No Configuration

Quickly connect your network devices with little to no configuration. LEDs indicate when the switch is powered on and which Ethernet ports are showing activity. The NGI-U16 supports MAC address auto-learning and auto-aging for efficient routing, as well as automatic MDI/MDI-X crossover detection for plug-and-play functionality. IEEE 802.3x flow control allows smooth transmission of large files.

Works with the Most Popular Web Browsers

The NGI-U16 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 NGI-U16 accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

Pre-Installed DIN Rail Clip Allows for Convenient Installation

The NGI-U16 may be DIN mounted using the pre-installed rail clip, which mounts firmly to any standard 35 mm DIN rail. A 2-pin 12-48VDC terminal block supplies power input. Device power must be supplied by LPS (Limited Power Source) circuit.

TAA-Compliant for GSA Schedule Purchases

The NGI-U16 is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Highlights

- 16 auto-negotiable 10/100/1000 Mbps RJ45 ports connect devices over a LAN
- Industrial-grade switch supports operating temperature range of -40° to 167°F
- Easy-to-read LEDs indicate connection and activity status for all Ethernet ports
- Plug-and-play operation with no software or configuration required before use
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Applications

Expand reliable Gigabit Ethernet connectivity to factory floors and outdoor environments with space constraints and wide temperature ranges

Package Includes

- NGI-U16 16-Port Unmanaged Industrial Gigabit Switch
- DIN rail-mounting clip (pre-installed)
- Owner's manual

Specifications

| OVERVIEW | |
|--|---|
| UPC Code | 037332265852 |
| Product Type | Unmanaged Industrial Gigabit Ethernet Switch |
| INPUT | |
| Maximum Input Amps Details | Maximum of 1.5A DC. The device power shall be supplied by LPS (Limited Power Source) |
| Voltage Compatibility (VDC) | 12-48 |
| Power Source | 2-Pin Terminal Block |
| POWER | |
| Power Consumption (Watts) | 12.00 |
| Power Consumption Detail | 12 |
| USER INTERFACE, ALERTS & CONTROLS | |
| LED Indicators | 1- Power ON/OFF(Green), 2- 1000(Green) for Ethernet speed 1000Mbps, 3- LNK/ACT(Green) for data Transmitting/Receiving |
| PHYSICAL | |
| Primary Form Factor | DIN-Rail |
| Color | Black |
| Material of Construction | Metal casing |
| Form Factors Supported | DIN-Rail Mountable |
| Unit Dimensions (hwd / in.) | 6.300 x 1.970 x 4.720 |
| Unit Dimensions (hwd / cm) | 16 x 5 x 11.93 |
| Unit Weight (lbs.) | 1.98 |
| Unit Weight (kg) | 0.90 |
| ENVIRONMENTAL | |
| Operating Temperature Range | -40° to 167°F (-40° to 75°C) |
| Storage Temperature Range | -40° to 185°F (-40° to 85°C) |
| Relative Humidity | 5% to 95% (Non-Condensing) |
| ESD Protection | ±8kV air discharge / ±4kV contact discharge |
| COMMUNICATIONS | |
| Network Compatibility | 1 Gbps (Gigabit) |

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|--------------------------------------|--|
| Network Compatibility Details | Auto-negotiable |
| Switching Capacity | 32Gbps |
| Switching Capacity Details | 1Gbps Per Port with Full Duplex |
| CONNECTIONS | |
| Number of Ports | 16 |
| Ports | 16 |
| Ports Detail | 16x 10/100/1000BASE-T |
| SFP Uplink Ports | 0 |
| SFP Uplink Ports Detail | NA |
| PoE Power Budget (Watts) | 0 |
| PoE Supported Ports | 0 |
| Network Switch Ports | (16) 10/100/1000 (RJ45) |
| FEATURES & SPECIFICATIONS | |
| Jumbo Frames | 10000 |
| Console Port | No |
| MAC Auto Learning | Yes |
| MAC Addresses | 8000 |
| RMON | No |
| SNMP | No |
| Storm Control | No |
| DHCP Snooping | No |
| Auto MDI/MDIX Crossover Detection | Yes |
| Fans (Type/Quantity) | Fanless |
| STANDARDS & COMPLIANCE | |
| Product Compliance | RoHS; CE (Europe); IEEE 802.3 10Base-T; IEEE 802.3 Auto-Negotiation; IEEE 802.3u 100Base-TX/FX; IEEE 802.3x Flow Control; REACH; FCC (USA); Trade Agreements Act (TAA) |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 3-year limited warranty |



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