1000 Eaton Boulevard
Cleveland, OH 44122
United States

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 Tripp Lite 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

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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)	From 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°F to 167°F (-40°C to 75°C)
Storage Temperature Range	-40°F to 185°F (-40°C 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
RJ45 Ports	16
RJ45 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	
Fans (Type/Quantity)	Fanless
MAC Addresses	8000
Jumbo Frames	10000
Console Port	No
MAC Auto Learning	Yes
RMON	No
SNMP	No
Storm Control	No
DHCP Snooping	No
Auto MDI/MDIX Crossover Detection	Yes
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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