8-Port Unmanaged Industrial Gigabit Ethernet Switch - 10/100/1000 Mbps, Ruggedized, -40° to 75°C, EIP QoS, DIN Mount
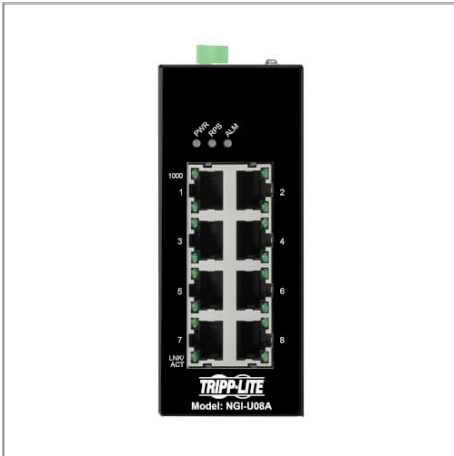
MODEL NUMBER: **NGI-U08A**

Highlights

- 8 auto-negotiable 10/100/1000 Mbps RJ45 ports connect devices over a LAN
- EIP QoS control mechanism, widely used for Ethernet/IP data stream
- Industrial-grade switch supports operating temperature range of -40° to 75°C
- Easy-to-read LEDs indicate connection and activity status for all Ethernet ports
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- NGI-U08A 8-Port Unmanaged Industrial Gigabit Ethernet Switch
- DIN rail-mounting clip (pre-installed)
- Owner's manual

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

Features

8-Port Unmanaged Gigabit Ethernet Switch Connects Your Devices to a LAN
This space-saving switch with EIP QoS transmits data over a Gigabit Ethernet network. Eight 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.

Ethernet/IP Quality of Service (EIP QoS)
The EIP QoS control mechanism is widely used for Ethernet/IP data streams. Based on the application requirements, this feature helps provide different priorities for different users or data streams. This helps ensure that the performance of data streams deliver at a certain level. **Note**: *While NGI-U08A does support QoS, the feature is handled automatically by our product. If you want to control network traffic flow or prioritize specific ports to your personal preference, you must use a router in your network with a QoS tool to achieve this level of control.*

Ruggedized Metal Housing Built to Last in Harsh Environments
The compact NGI-U08A 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 to 75 degrees Celsius (-40 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-U08A 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. DIP switch supports an alarm relay output function in which you can connect an alarm light or buzzer.

Works with the Most Popular Web Browsers
The NGI-U08A 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-U08A 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 Mounting
The open-type device may be DIN mounted using the pre-installed rail clip, which mounts firmly to any standard 35 mm DIN rail. Providing seamless operation in the event of power dips or failures, the switch features redundant 6-pin 12–48 DC terminal block power inputs to help prevent unnecessary downtime. When used with two power sources, the switch also supports alarm relay contacts that you can wire to your existing alarm circuit to notify you instantly when a power disruption occurs. Device power must be supplied by LPS circuit.

TAA-Compliant for GSA Schedule Purchases
The NGI-U08A is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	037332282057
Product Type	Unmanaged Industrial Ethernet Switch with EIP QOS

INPUT	
Maximum Input Amps Details	Maximum of 0.5A DC. Device power shall be supplied by SELV circuit.
Voltage Compatibility (VDC)	From 12~48
Power Source	6-Pin Terminal Block

POWER	
Power Consumption (Watts)	5.00
Power Consumption Detail	5w

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	1- PWR(Green): for Power, 2- RPS(Green): for Power by terminal block RPS, 3- ALM(Rad): for PWR & RPS fails, 4- 1000(Green): for Ethernet speed 1000Mbps, 5- 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
Included Mounting Accessories	Y
Shipping Dimensions (hwd / in.)	2.44 x 9.17 x 7.20
Shipping Dimensions (hwd / cm)	6.20 x 23.29 x 18.29
Shipping Weight (lbs.)	1.28

Shipping Weight (kg)	0.58
Unit Dimensions (hwd / in.)	3.921 x 1.970 x 4.560
Unit Dimensions (hwd / cm)	11 x 5 x 11.58
Unit Weight (lbs.)	1.10
Unit Weight (kg)	0.50
ENVIRONMENTAL	
Operating Temperature Range	-40° to 167°F (-40° to 75°C)
Storage Temperature Range	-40° to 176°F (-40° to 85°C)
Relative Humidity	5 to 95% (non-condensing)
Operating Elevation (m)	2000
ESD Protection	±8kV air discharge / ±4kV contact discharge
COMMUNICATIONS	
Network Compatibility	1 Gbps (Gigabit)
Network Compatibility Details	Auto-negotiable
Switching Capacity	16Gbps
Switching Capacity Details	1Gbps Per Port with Full Duplex
CONNECTIONS	
Number of Ports	8
Ports	8
Ports Detail	8x 10/100/1000BASE-T
Network Switch Ports	(8) 10/100/1000 (RJ45)
FEATURES & SPECIFICATIONS	
Jumbo Frames	9000
Console Port	No
MAC Auto Learning	Yes
MAC Addresses	2000
RMON	No
SNMP	No
Storm Control	Yes
DHCP Snooping	No
Auto MDI/MDIX Crossover Detection	Yes
Fans (Type/Quantity)	Fanless

STANDARDS & COMPLIANCE	
Product Compliance	CE (Europe); FCC (USA); IEEE 802.1p Class of Service (Europe); IEEE 802.3 10Base-T; IEEE 802.3 Auto-Negotiation; IEEE 802.3ab 1000Base-T; IEEE 802.3x Flow Control; REACH; RoHS; Trade Agreements Act (TAA); UKCA
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty