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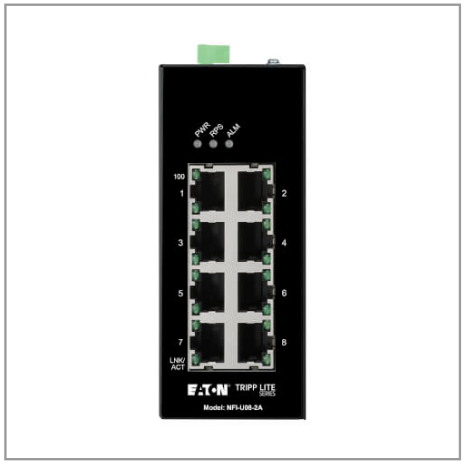
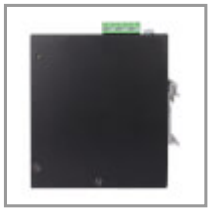
TRIPP LITE SERIES

# 8-Port Unmanaged Industrial Ethernet Switch - 10/100 Mbps, Ruggedized, -40° to 75°C, iQoS, DIN Mount, TAA

MODEL NUMBER: **NFI-U08-2A**





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

## Features

**8-Port Unmanaged Ethernet Switch Connects Your Devices to a LAN**
This space-saving switch with EIP QoS transmits data over an Ethernet network. Eight auto-negotiating 10/100 Mbps ports send data only to the devices designated to receive it, which improves the efficiency and potential throughput of the network.

**Supports Intelligent QoS for PROFINET, EtherNet/IP and IEC 61850 GOOSE Traffic**
Eaton's iQoS (Intelligent Quality of Service) is designed to support PROFINET, Ethernet/IP (EIP) and GOOSE traffic by ensuring reliable and consistent data delivery in industrial networks. Based on the characteristics of aforementioned industrial protocol communication, iQoS automatically recognizes and prioritizes traffic with industrial protocol mentioned to maintain stable network performance under normal operating conditions. This built-in mechanism helps ensure deterministic behavior for critical industrial data streams without requiring user configuration, making it well suited for plug-and-play deployments in OT environments. ***Note**: While the NGI-U08-2A supports automatic QoS handling through iQoS, it does not provide manual traffic classification or port-level priority configuration. For applications requiring customized traffic policies, a managed network switch with advanced QoS functionality should be deployed.***Ruggedized Metal Housing Built to Last in Harsh Environments**
The compact NFI-U08-2A adds 10/100 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 NFI-U08-2A 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.**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. A 6-pin 12–48VDC terminal block supplies power input. Device power must be supplied by LPS circuit.**TAA-Compliant for GSA Schedule Purchases**
The NFI-U08-2A 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

- 8 auto-negotiable 10/100 Mbps RJ45 ports connect devices over a LAN.
- Supports Intelligent QoS (iQoS) for PROFINET, EtherNet/IP and IEC 61850 GOOSE traffic
- 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

- NFI-U08-2A 8-Port Unmanaged Industrial Ethernet Switch
- DIN rail-mounting clip (pre-installed)
- Owner's manual

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# Specifications

| | |
|---|---|
| **OVERVIEW** | |
| UPC Code | 037332282040 |
| Product Type | Unmanaged Industrial Ethernet Switch with EIP QOS |
| **INPUT** | |
| Maximum Input Amps Details | Maximum of 0.5A DC. The device shall be supplied by SELV circuit. |
| Voltage Compatibility (VDC) | From 12~48 |
| Power Source | 6-Pin Terminal Block |
| **POWER** | |
| Power Consumption (Watts) | 3.00 |
| **CONNECTIONS** | |
| Number of Ports | 8 |
| Ports | 8 |
| Ports Detail | 8x 10/100Base-T |
| Network Switch Ports | (8) 10/100 (RJ45) |
| **USER INTERFACE, ALERTS & CONTROLS** | |
| LED Indicators | 1- PWR(Green): for Power; 2- 100(Green): for Ethernet speed 100Mbps; 3- LNK/ACT(Green): for data transmitting/receiving; 4- RPS (Green): for Redundant Power ON; 5- ALM(Green): for Alarm triggered for abnormal power or power link down status. |
| **PHYSICAL** | |
| Primary Form Factor | DIN-Rail |
| Color | Black |
| Material of Construction | Metal casing |
| 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.) | 3.920 x 1.970 x 4.560 |
| Unit Dimensions (hwd / cm) | 11 x 5 x 11.58 |
| Unit Weight (lbs.) | 0.97 |
| Unit Weight (kg) | 0.44 |
| **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) |
| **COMMUNICATIONS** | |
| Network Compatibility | 100 Mbps (Fast Ethernet) |
| Network Compatibility Details | Auto-negotiable |
| Switching Capacity | 1.6Gbps |
| Switching Capacity Details | 200Mbps Per Port with Full Duplex |
| **FEATURES & SPECIFICATIONS** | |
| Console Port | No |
| MAC Auto Learning | Yes |
| RMON | No |
| SNMP | No |
| Storm Control | Yes |
| DHCP Snooping | No |
| Auto MDI/MDIX Crossover Detection | Yes |
| Industrial QoS (iQoS) | Yes |
| **STANDARDS & COMPLIANCE** | |
| Product Certifications | NOM (Mexico) |
| Product Compliance | CE (Europe); FCC (USA); IEEE 802.1p Class of Service (Europe); IEEE 802.3 10Base-T; IEEE 802.3 Auto-Negotiation; IEEE 802.3u 100Base-TX/FX; IEEE 802.3x Flow Control; REACH; RoHS; Trade Agreements Act (TAA); UKCA |
| **WARRANTY & SUPPORT** | |
| Product Warranty Period (Worldwide) | 3-year limited warranty |

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