# 5-Port Unmanaged Industrial Ethernet Switch - 10/100 Mbps, Ruggedized, -40° to 75°C, EIP QoS, DIN/Wall Mount, TAA

MODEL NUMBER: **NFI-U05A**




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

## Highlights

- 5 auto-negotiable 10/100 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

- NFI-U05A 5-Port Unmanaged Industrial Switch
- DIN rail-mounting clip (pre-installed)
- Wall-mounting bracket (pre-installed)
- Owner's manual

## Features

**5-Port Unmanaged Ethernet Switch Connects Your Devices to a LAN**
This space-saving switch with EIP QoS transmits data over an Ethernet network. Five 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.

**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 NFI-U05A 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 NFI-U05A adds 10/100 Mbps 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-U05A 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 NFI-U05A 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 NFI-U05A accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

**Flexible Mounting Options**
The open-type device may be DIN mounted using the pre-installed rail clip, which mounts firmly to any standard 35 mm DIN rail. It may also be wall mounted using the rear mounting holes. A 3-pin 12–48VDC terminal block supplies power input. Device power must be supplied by SELV circuit.

**TAA-Compliant for GSA Schedule Purchases**
The NFI-U05A 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

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|---|---|
| **OVERVIEW** | |
| UPC Code | 037332282033 |
| Product Type | Unmanaged Industrial Ethernet Switch with EIP QOS |
| **INPUT** | |
| Maximum Input Amps Details | Maximum of 0.15A DC. The device power shall be supplied by SELV circuit |
| Voltage Compatibility (VDC) | From 12~48 |
| Power Source | 3-Pin Terminal Block |
| **POWER** | |
| Power Consumption (Watts) | 3.00 |
| **CONNECTIONS** | |
| Number of Ports | 5 |
| Ports | 5 |
| Ports Detail | 5x 10/100Base-T |
| PoE Supported Ports | 0 |
| Network Switch Ports | (5) 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 |
| **PHYSICAL** | |
| Primary Form Factor | DIN-Rail; Wall-mount |
| Color | Black |
| Material of Construction | Aluminum casing |
| Shipping Dimensions (hwd / in.) | 2.44 x 5.04 x 9.33 |
| Shipping Dimensions (hwd / cm) | 6.20 x 12.80 x 23.70 |
| Shipping Weight (lbs.) | 0.68 |
| Shipping Weight (kg) | 0.31 |

| | |
|---|---|
| Unit Dimensions (hwd / in.) | 4.300 x 0.920 x 2.910 |
| Unit Dimensions (hwd / cm) | 10.9 x 2.2 x 7.3 |
| Unit Weight (lbs.) | 0.42 |
| Unit Weight (kg) | 0.19 |
| **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 | 1Gbps |
| Switching Capacity Details | 200Mbps Per Port with Full Duplex |
| **FEATURES & SPECIFICATIONS** | |
| Jumbo Frames | 0 |
| 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 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) |
| **WARRANTY & SUPPORT** | |
| Product Warranty Period (Worldwide) | 3-year limited warranty |

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