Manuals+ — User Manuals Simplified.

EATON
NFI-U05 5 Port
Unmanaged
Industrial Ethernet
Switch

EATON NFI-U05 5 Port Unmanaged Industrial Ethernet Switch Owner's Manual

Contents

EATON

EATON NFI-U05 5 Port Unmanaged Industrial Ethernet Switch

Product Information

Specifications

- **UPC Code:** 037332264268
- **Product Type:** Unmanaged Industrial Ethernet Switch

Features

- 5-Port Unmanaged Ethernet Switch connects devices to a LAN
- Ruggedized metal housing built to last in harsh environments
- Unmanaged switch requires little to no configuration
- Works with the most popular web browsers
- TAA-compliant for GSA Schedule purchases

Highlights

- 5 auto-negotiable 10/100 Mbps RJ45 ports connect devices over a LAN
- Easy-to-read LEDs indicate connection and activity status for all 5 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 Ethernet connectivity to factory floors and outdoor environments with space constraints and wide temperature ranges.

Package Includes

- NFI-U05 5-Port Unmanaged Industrial Switch
- DIN rail-mounting clip (preinstalled)
- Owner's manual

Product Usage Instructions

Installation & Setup

1. Mount the NFI-U05 switch using the included DIN rail-mounting clip.
2. Connect your network devices to the switch using Ethernet cables.
3. Power on the switch by connecting it to a power source within the specified voltage range (12-48 VDC).

LED Indicators

The LED indicators on the switch provide important information:

- **PWR (Green):** Indicates power status
- **100 (Green):** Indicates Ethernet speed of 100Mbps
- **LNK/ACT (Green):** Indicates data transmitting/receiving activity

Browser-Based Configuration

The NFI-U05 can be configured using a web browser. Follow these steps:

1. Open a web browser and enter the IP address of the switch.
2. Log in with the default credentials (if required).
3. You can now configure settings such as VLANs, QoS, and more through the web interface.

FAQ

- **Q: Can the NFI-U05 switch withstand extreme temperatures?**

  A: Yes, the NFI-U05 can operate in temperatures ranging from -40 to 75 degrees Celsius (-40 to 167 degrees Fahrenheit).

- **Q: Does the switch require any software installation for setup?**

  A: No, the NFI-U05 is a plug-and-play device that requires little to no configuration or software installation.

OVERVIEW

Highlights

- 5 auto-negotiable 10/100 Mbps RJ45 ports connect devices over a LAN
- The industrial-grade switch supports operating temperature range of – 40° to 75°C
- Easy-to-read LEDs indicate connection and activity status for all 5 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 Ethernet connectivity to factory floors and outdoor environments with space constraints and wide temperature ranges

Package Includes

- NFI-U05 5-Port Unmanaged Industrial Switch
- DIN rail-mounting clip (preinstalled)
- Owner's manual

Features

- **5-Port Unmanaged Ethernet Switch Connects Your Devices to a LAN**

  This space-saving switch 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.

- **Ruggedized Metal Housing Built to Last in Harsh Environments**

  The compact NFI-U05 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-U05 supports MAC address autolearning 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-U05 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-U05 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-U05 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	037332264268
Product Type	Unmanaged Industrial Ethernet Switch
INPUT	
Maximum Input Amps Details	Maximum of 0.15A DC. The device power shall be supplied by SELV circuit
Voltage Compatibility (VDC)	12-48
Power Source	3-Pin Terminal Block
POWER	
Power Consumption (Watts)	3.00
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 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	
Storage Temperature Range	-40° to 185°F (-40° to 85°C)
Relative Humidity	5% to 95% (Non-Condensing)
Operating Temperature	-40 to 167 F (-40 to 75 C)
COMMUNICATIONS	
Network Compatibility	100 Mbps (Fast Ethernet)
Network Compatibility Details	Auto-negotiable
Switching Capacity	1Gbps

Switching Capacity Details	200Mbps Per Port with Full Duplex

CONNECTIONS

Number of Ports	5
Ports	5
Ports Detail	5x 10/100Base-T
SFP Uplink Ports	0
PoE Supported Ports	0
Network Switch Ports	(5) 10/100 (RJ45)

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 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

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

Documents / Resources

EATON NFI-U05 5 Port Unmanaged Industrial Ethernet Switch [pdf] Owner's Manual
NFI-U05 5 Port Unmanaged Industrial Ethernet Switch, NFI-U05, 5 Port Unmanaged Industrial Ethernet Switch, Unmanaged Industrial Ethernet Switch, Industrial Ethernet Switch, Ethernet Switch, Switch

References

- **User Manual**