



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

MODEL NUMBER: NFI-U08-1







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 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.

## Ruggedized Metal Housing Built to Last in Harsh Environments

The compact NFI-U08-1 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 IP30 industrial-grade aluminum 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. Alternative-language LEDs indicate when the switch is powered ON and which Ethernet ports are showing activity with connection speed. The NFI-U08-1 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.

#### Pre-Installed DIN Rail Clip Allows for Convenient Installation

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 3-pin 18-30VDC terminal block supplies power input. Device power shall be supplied by 61010-2-201 R/C power with LPS (Limited Power Source).

# **TAA-Compliant for GSA Schedule Purchases**

The NFI-U08-1 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**

## **Highlights**

- 8 auto-negotiable 10/100 Mbps RJ45 ports connect devices over a LAN
- Fast industrial-grade switch supports operating temperature range of -40° to 75°C
- Easy-to-read LEDs indicate connection and activity status for all 8 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-U08-1 8-Port Unmanaged Fast Industrial Ethernet Switch
- DIN rail-mounting clip (preinstalled)
- Wall-mount bracket (preinstalled)
- Owner's manual





UP C Code         037332264275           Product Type         Unmanaged Industrial Fast Ethernet Switch           INPUT           Electrical Consumption (Max)         0           Maximum Input Amps Details         Maximum of 0.2A DC power. Device power shall be supplied by LPS (Limited Power Source).           Voltage Compatibility (VDC)         18-30           Input Plug Type         Hard-wire           Power Source         3-Pin Terminal Block           POWER           Power Consumption (Watts)         4.00           CONNECTIONS           Number of Ports         8           Ports         8           Ports         8           Ports         8           Ports Detail         8x 10/100Base-T           SFP Uplink Ports         0           PoE Supported Ports         0           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           Power Source           Primary Form Factor         DIN-Rait, Wall-mount           Color         Black			
Product Type Unmanaged Industrial Fast Ethernet Switch    NPUT	OVERVIEW		
Electrical Consumption (Max) 0  Maximum Input Amps Details Maximum of 0.2A DC power. Device power shall be supplied by LPS (Limited Power Source).  Voltage Compatibility (VAC) Input  Voltage Compatibility (VDC) 18-30  Input Plug Type Hard-wire  Power Source 3-Pin Terminal Block  POWER  Power Consumption (Watts) 4.00  CONNECTIONS  Number of Ports 8 8 Ports 8 Ports 8 Ports 8 Ports 95-PUplink Ports 0 POES Supported Ports 0 (8) 10/100Base-T  SFP Uplink Ports 0  Network Switch Ports (8) 10/100 (RJ45)  USER INTERFACE, ALERTS & COTTOLS  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 Metal casing Shipping Dimensions (hwd / rm) 2.44 x 9.17 x 7.20 Shipping Dimensions (hwd / rm) 6.20 x 23.29 x 18.29			
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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	PHYSICAL		
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	Primary Form Factor	DIN-Rail; Wall-mount	
Shipping Dimensions (hwd / in.)  2.44 x 9.17 x 7.20  Shipping Dimensions (hwd / cm)  6.20 x 23.29 x 18.29	Color	Black	
Shipping Dimensions (hwd / cm) 6.20 x 23.29 x 18.29	Material of Construction	Metal casing	
	Shipping Dimensions (hwd / in.)	2.44 x 9.17 x 7.20	
Shipping Weight (lbs.) 0.93	Shipping Dimensions (hwd / cm)	6.20 x 23.29 x 18.29	
	Shipping Weight (lbs.)	0.93	
Shipping Weight (kg) 0.42	Shipping Weight (kg)	0.42	
Unit Dimensions (hwd / in.) 3.540 x 4.300 x 1.210	Unit Dimensions (hwd / in.)	3.540 x 4.300 x 1.210	
Unit Dimensions (hwd / cm) 3.0 x 10.9 x 7.3	Unit Dimensions (hwd / cm)	3.0 x 10.9 x 7.3	
Unit Weight (lbs.) 0.32	Unit Weight (lbs.)	0.32	





Unit Weight (kg)	0.15	
O'nt Weight (kg)	0.10	
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	1.6Gbps	
Switching Capacity Details	200Mbps Per Port with Full Duplex	
FEATURES & SPECIFICATIONS		
Jumbo Frames	1536	
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 Auto-Negotiation; IEEE 802.3i 10Base-T; 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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