

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

MODEL NUMBER: NFI-U05



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

### 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 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-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.

### Highlights

- 5 auto-negotiable 10/100 Mbps RJ45 ports connect devices over a LAN
- 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 (pre-installed)
- Owner's manual

## 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                                                                                                                   |



Powering Business Worldwide



|                                      |                                                                                                                                                                        |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switching Capacity Details           | 200Mbps Per Port with Full Duplex                                                                                                                                      |
| <b>CONNECTIONS</b>                   |                                                                                                                                                                        |
| 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)                                                                                                                                                      |
| <b>FEATURES &amp; SPECIFICATIONS</b> |                                                                                                                                                                        |
| 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                                                                                                                                                                    |
| <b>STANDARDS &amp; COMPLIANCE</b>    |                                                                                                                                                                        |
| 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) |
| <b>WARRANTY &amp; SUPPORT</b>        |                                                                                                                                                                        |
| Product Warranty Period (Worldwide)  | 3-year limited warranty                                                                                                                                                |

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