

## **5-Port Industrial Ethernet Switch - DIN Rail Mountable**

*StarTech ID: IES5102*



This compact 5-port industrial Ethernet switch is engineered to deliver fast, reliable network connectivity and durability in the most demanding industrial environments. It provides top performance in a wider range of operating temperatures than conventional network switches, making it ideal for factories and warehouses.

### **Conquer the tough demands of industrial environments**

Designed with a rugged IP30-rated housing, the network switch delivers maximum performance even in harsh industrial conditions. Its wide-range terminal block input gives you the flexibility to power the switch as required, based on your own power input source, while its wide operating temperature range keeps your network running smoothly.

### **Get up and running in no time**

This industrial Ethernet switch is easy to install, with an attached metal bracket for DIN rail mounting on equipment racks and cabinets.

Now you can eliminate the hassle of troubleshooting mismatched speed and duplex settings. This switch gives you full/half-duplex auto-negotiation and auto MDI/MDIX operation, enabling you to connect your network devices quickly and easily with little to no configuration required.

### **Reduce your energy costs with Energy-Efficient Ethernet**

With lower overall power consumption, the Ethernet switch enhances your energy efficiency, in turn helping you reduce monthly costs.

The IES5102 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Applications

- Well suited for networks in demanding industrial applications such as warehouses and factories
- A great way to enhance network connectivity, adding small workgroups to an existing network
- Install in a server rack or cabinet in a network room or test lab environment

## Features

- Network up to 5 Ethernet devices, even in industrial settings, with a robust IP30-rated switch
- Wide-range 12-48V DC terminal block input
- Easy installation with an integrated DIN rail bracket
- Wider range of operating temperatures, ideal for industrial environments
- IEEE 802.3az Energy-Efficient Ethernet
- Supports 10BaseT/100BaseTX and Full-Duplex/Half-Duplex Auto-negotiation
- Supports IEEE 802.3x flow control and back pressure
- Store-and-forward switching mechanism

**Technical Specifications**

Warranty	2 Years
Industry Standards	IEEE 802.3 (10BASE-T), IEEE 802.3u (100BASE-TX)
Industry Standards	IEEE 802.3az (Energy-Efficient Ethernet)
Industry Standards	IEEE 802.1P Quality of Service (QoS)
Interface	RJ45 (10/100 Ethernet)
Ports	5
Regulatory Approvals	EN61000-6-2 EN61000-6-4 EN61000-4-3 (Radiated RFI Standards) EN61000-4-4 (Burst Standards) EN61000-4-6 (Induced RFI Standards) EN61000-4-8 (Magnetic Field Standards) IEC60068-2-6 Fc (Vibration) IEC60068-2-27 Ea (Shock)
Auto MDIX	Yes
Auto-Negotiation	Yes
Buffer Size	56 KB
Compatible Networks	10/100 Mbps
Flow Control	IEEE 802.3x Full-Duplex
Full Duplex Support	Yes
Jumbo Frame Support	No
Maximum Cable Length	328 ft [100 m]
Maximum Data Transfer Rate	200 Mbps (Full-Duplex)
MTBF	1,179,133 Hours
Surge Protection	ESD: EN61000-4-2 Surge: EN61000-4-5
Switching Architecture	Store-and-Forward
External Ports	5 - RJ-45 Female
External Ports	1 - Terminal Block (3 Wire)
OS Compatibility	OS Independent; No additional drivers or software required
LED Indicators	1 - Power
LED Indicators	5 - Link/Activity
LED Indicators	5 - Activity (100 Mbps)
Input Voltage	12 ~ 48 DC
Power Consumption	2.12W Max

Power Source	Terminal Block
Humidity	5~95% RH (Non-Condensing)
Operating Temperature	-10°C to 60°C (14°F to 140°F)
Storage Temperature	-25°C to 85°C (-13°F to 185°F)
Color	Black
Enclosure Type	Plastic
Product Height	4.3 in [110 mm]
Product Length	2.8 in [70 mm]
Product Weight	5.2 oz [148 g]
Product Width	1 in [25 mm]
Shipping (Package) Weight	11.8 oz [335 g]
Included in Package	1 - 5 Port Ethernet Switch (w/ Attached DIN Rail Bracket)
Included in Package	1 - Terminal Block
Included in Package	1 - Instruction Manual CD

### Certifications, Reports and Compatibility

