

# 5-Port Industrial Ethernet Switch - DIN Rail Mountable

Product 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.





# Certifications, Reports and Compatibility









### **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 Autonegotiation
- Supports IEEE 802.3x flow control and back pressure
- Store-and-forward switching mechanism



## **Data Sheet**

Indicators 1 - Power	Interface Ports Regulatory App  Performance  Auto MDIX Buffer Size Compatible Net Flow Control Full Duplex Sup Jumbo Frame S Maximum Cable Maximum Data MTBF Surge Protectio Switching Archi External Ports  Software  OS Compatibility	rds	IEEE 802.3 (10BASE-T), IEEE 802.3u (100BASE-TX)
Interface RJ45 (10/100 Ethernet)  Ports 5  Regulatory Approvals EN61000-6-2 EN61000-6-3 (Radiated RFI Standards) EN61000-4-3 (Radiated RFI Standards) EN61000-4-4 (Burst Standards) EN61000-4-8 (Magnetic Field Standards) EN61000-4-2 (Magnetic Field Standards) EN61000-4-5 (Magnetic Field Standards) EN61000-4-5 (Magnetic Field Standards) EN61000-4-6 (Magnetic Field Standards) EN61000-4-6 (Magnetic Field Standards) EN61000-4-7 (Magnetic Field Standards) EN61000-4-8 (Magnetic Field Standards) EN61000-4-9 (Magnetic Field Stand	Performance  Auto MDIX Buffer Size Compatible Net Flow Control Full Duplex Sup Jumbo Frame S Maximum Cable Maximum Data MTBF Surge Protectio Switching Archi Connector(s)  External Ports  Software  OS Compatibilit		
Interface RJ45 (10/100 Ethernet)  Ports 5  Regulatory Approvals EN61000-6-2 EN61000-4-3 (Radiated RFI Standards) EN61000-4-4 (Burst Standards) EN61000-4-6 (Induced RFI Standards) EN61000-4-6 (Induced RFI Standards) EN61000-4-6 (Induced RFI Standards) EN61000-4-7 (Magnetic Field Standards) EN61000-4-8 (Magnetic Field Standards) EN61000-4-8 (Magnetic Field Standards) EN61000-4-8 (Magnetic Field Standards) EN61000-4-8 (Magnetic Field Standards) EN60068-2-27 Ea (Shock)  Performance Auto MDIX 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  Connector(s) External Ports 5- RJ-45 Female 1 - Terminal Block (3 Wire)  Software OS Compatibility OS Independent; No additional drivers or software require Indicators 1- Power	Performance  Auto MDIX Buffer Size Compatible Net Flow Control Full Duplex Sup Jumbo Frame S Maximum Cable Maximum Data MTBF Surge Protectio Switching Archi Connector(s)  External Ports  Software  OS Compatibilit		IEEE 802.3az (Energy-Efficient Ethernet)
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Regulatory Approvals  Regulatory Approvals  Regulatory Approvals  Reficiono-6-2 EN61000-6-3 (Radiated RFI Standards) EN61000-4-3 (Radiated RFI Standards) EN61000-4-4 (Burst Standards) EN61000-4-8 (Magnetic Field Standards) EN61000-4-9 (Shock)  Performance  Auto MDIX  Yes  56 KB  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 Cable Length  328 ft [100 m]  Maximum Data Transfer Rate  200 Mbps (Full-Duplex)  MTBF  1,179,133 Hours  ESD: EN61000-4-2 Surge: EN61000-4-2 Surge: EN61000-4-5  Switching Architecture  Store-and-Forward  Connector(s)  External Ports  5 - R1-45 Female  1 - Terminal Block (3 Wire)  Software  OS Compatibility  OS Independent; No additional drivers or software requires  Indicators  1 - Power	Performance  Auto MDIX Buffer Size Compatible Net Flow Control Full Duplex Sup Jumbo Frame S Maximum Cable Maximum Data MTBF Surge Protectio Switching Archi Connector(s)  External Ports  Software  OS Compatibilit		RJ45 (10/100 Ethernet)
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Software OS Compatibility OS Independent; No additional drivers or software required Indicators 1 - Power			5 - RJ-45 Female
Indicators 1 - Power	·		1 - Terminal Block (3 Wire)
	Indicators LED Indicators	/ /	OS Independent; No additional drivers or software required
5 - Link/Activity			1 - Power
5 Line Activity			5 - Link/Activity
5 - Activity (100 Mbps)			5 - Activity (100 Mbps)
Power Input Voltage 12 ~ 48 DC	Power Input Voltage		12 ~ 48 DC
Power Consumption (In Watts) 2.12W Max	Power Consump	tion (In Watts)	2.12W Max
	Power Source		Terminal Block



## **Data Sheet**

Environmental	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)
Physical Characteristics	Color	Black
	Material	Plastic
	Product Height	4.3 in [11 cm]
	Product Length	2.8 in [70 mm]
	Product Width	1 in [25 mm]
	Weight of Product	5.3 oz [150 g]
Packaging Information	Package Height	3.1 in [79 mm]
	Package Length	7.8 in [19.8 cm]
	Package Width	7 in [17.8 cm]
	Shipping (Package) Weight	11 oz [312 g]
What's in the Box	Included in Package	1 - 5 Port Ethernet Switch (w/ Attached DIN Rail Bracket)
		1 - Terminal Block
		1 - Instruction Manual CD
	Auto-Negotiation	Yes

Product appearance and specifications are subject to change without notice.