

5 Port Unmanaged Industrial Ethernet Switch

IES5100



*actual product may vary from photos

DE: Bedienungsanleitung - de.startech.com

FR: Guide de l'utilisateur - fr.startech.com

ES: Guía del usuario - es.startech.com

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NL: Gebruiksaanwijzing - nl.startech.com

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Table of Contents

Introduction	1
Packaging Contents	1
System Requirements.....	1
Installation	2
DIN Rail Mounting.....	2
Connecting to Power	2
Network Connection.....	3
LED Displays.....	3
Specifications	4
Technical Support	5
Warranty Information	5

Introduction

The IES5100 5 Port Unmanaged Industrial Ethernet Switch (DIN-Rail Mountable) offers five 10/100 Ethernet switching ports and is designed to operate in harsh environments, making it an ideal solution for factory floors, warehouses, and outdoor locations without temperature control.

This versatile switch features 10/100Mbps transfer speeds, full/half-duplex auto-negotiation and auto MDI/MDIX operation allowing you to connect your network devices quickly and easily with little to no configuration required.

The Ethernet switch can be DIN rail mounted and features compact, hardened construction that can be installed in any environment, able to operate within extended temperature ranges from -10°C to 60°C.

Packaging Contents

- 1 x 5 Port Ethernet Switch
- 1 x Instruction Manual

System Requirements

- 2 or 3-wire 12~48V DC power source
- 10/100Mbps compatible Ethernet network

Installation

DIN Rail Mounting

1. Hook the top, fixed DIN rail bracket on the rear of the Ethernet Switch to the top edge of the DIN rail.
2. Push the lower portion of the Ethernet Switch back against the DIN rail, which will cause the bottom, spring-loaded DIN clip to snap in place.
3. To remove the Ethernet Switch from the DIN rail, pull the small tab on the bottom of the spring-loaded clip to release it.



Connecting to Power

1. Gently, yet firmly pull the terminal block connector housing from the Ethernet Switch.
2. Using a small flat head screw driver, loosen the screws for the terminal block connectors.
3. Connect the power and ground wires from your DC power source to the proper terminal block connectors and fasten the screws. The terminals are marked on the Ethernet Switch housing.



4. Reinsert the terminal block housing into the Ethernet Switch.

Network Connection

1. Ensure that both the IES5100 and any devices that are to be connected to it are powered off.
2. Prepare the necessary cabling for each device that is to be attached to the IES5100. Use the following chart as reference for cabling types:

Speed	Connector	Port Speed (Half/ Full Duplex)	Cable Type	Max. Distance
10Base-T	RJ45	10/20 Mbps	2-pair UTP/STP Cat. 3, 4, 5	100 m
100Base-TX	RJ45	100/200 Mbps	2-pair UTP/STP Cat. 5	100 m

3. Connect the cable to both the IES5100 and attached devices and turn them on.
4. Check to ensure that both devices are transmitting and receiving data by checking their LED displays. (See next section for details)

LED Displays

The IES5100 has LED indicators for each of the RJ45 ports on the switch to show the status of each connections.

LED	State	Indication
LNK/ACT	Steady	Valid network connection established
	Flashing	Transmitting or receiving data
100	Steady	Port is transferring at 100Mbps
	Off	Port is transferring at 10Mbps or is not transferring

Specifications

Number of Ports	5
Connectors	5 x RJ45 Ethernet female 1 x 3-wire Terminal Block
LEDs	1 x Power 1 x Link/Activity (per port) 1 x Link Speed (per port)
Switching Method	Store-and-Forward
Supported Standards	IEEE 802.3, IEEE 802.3u
Network Link Speeds	10/100 Mbps
Auto MDIX	Yes
Full Duplex	Yes
Enclosure Material	Plastic
Power Supply	12 ~ 24V DC
Operating Voltage/Current	0.2A @ 12VDC, 0.1A @ 24VDC, 0.05A @ 48VDC
Maximum Power Consumption	2.4W
Operating Temperature	-10°C ~ 60°C (14°F ~ 140°F)
Storage Temperature	-25°C ~ 85°C (-14°F ~ 185°F)
Humidity	5% ~ 95% RH
MTBF	1,677,807 Hours
Dimensions (LxWxH)	70.0mm x 26.0mm x 110.0mm
Weight	200g

Technical Support

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Warranty Information

This product is backed by a two year warranty.

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