LNK-IMC010G

Mini Industrial 10/100/1000T Gigabit Ethernet Switch

This quick start guide describes how to install and use the Mini 10-Port 10/100/1000M Industrial Ethernet Switch. This is the Industrial Ethernet Switch of choice for harsh environments constrained by space.

Overview

The probably smallest industrial 10-port Gigabit Switch LNK-IMC010G offers full Gigabit performance on all 10 ports despite its extremely small outer dimensions. Thanks to the rugged metal housing and the extended operating temperature range from -40°C to 80°C, it is suitable for a variety of applications even in harsh environments. Power is supplied from the terminal block (12-48VDC) and can be redundant to reduce operational downtime. The LNK-IMC010G supports Auto-MDI/MDI-X and Auto-Negotiation. Included in delivery is a DIN rack kit (pre-assembled).

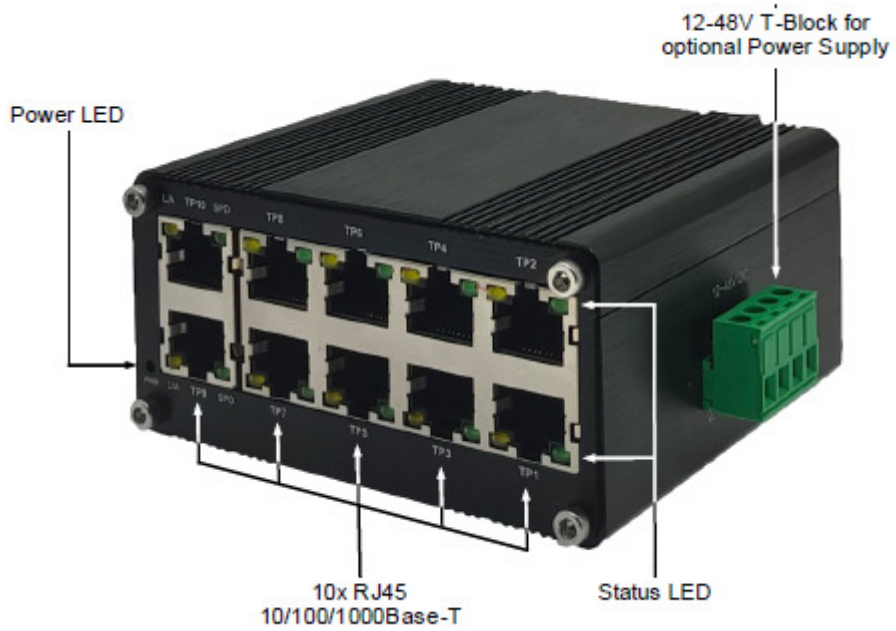
General

To ensure trouble free transportation and storage, all products must be thoroughly inspected, tested and properly packed before delivery. Check the product upon receipt for any visible damage which may have been caused during shipment.

Package Content

- LNK-IMC010G Ethernet Switch x 1
- Quick Start Guide x 1
- DIN-Rail mount bracket x 1

Physical Description (Layout)



Installation

Please read the following installation instructions.

1. Install the LNK-IMC010G on a mounting rail using the DIN rail kit.



2. Connect the power connector of the optionally available power supply to the terminal block and turn on the power supply.
3. When the power is turned on, the PWR indicator lights up. If the indicator is not lit, check for proper connection to the power supply.
4. Connect your network devices to the switch using a network cable.
5. If all cables are connected correctly, the indicators light according to the port status of the LEDs

Setup

a) Connect the Ethernet port of the Ethernet Switch to a IP camera (Ethernet device) or network device with a network cable.
b) After the device is powered on, the PWR indicator will all be on. If the indicators are not on, check the power supply connection.
c) After all cables are correctly connected, the indicators will be lit as per port status LEDs (page 3).

Cleaning

To clean the device, please use only a dry, non-fibrous cloth and remove the dirt with light pressure. In the area of the connections, please make sure that no fibers of the cloth are left in the socket. **Attention! Never use a moist or wet cloth for cleaning!**

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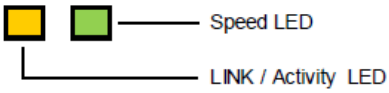
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RJ45 Port:



RJ45 Port					
Pin	**Signal**	**Pin**	**Signal**	**Pin**	**Signal**
1	BI_DA+	4	BI_DC+	7	BI_DD+
2	BI_DA-	5	BI_DC-	8	BI_DD-
3	BI_DB+	6	BI_DB-		

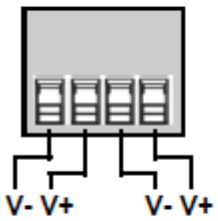
Status LEDs:



LED Name	Color	LED Function
LINK (ACT)	Yellow	**Steady on:** Linked **Blinking:** Data Transmission
Speed (SPD)	Green	**On:** 1000M **Off:** 10/100M

Power Connection

12V to 48V T-Block:



ATTENTION!

Please pay attention to the correct polarity!

Never connect the power supply to the terminal block while it is switched on!

Redundant power supply possible to reduce operational failure.

Functional Description

- Gigabit Ethernet 10/100/1000Base-T
- 10 x RJ45-Port, 1 x Terminal Block 12-48VDC
- Supports Full/Half duplex
- Supports Auto-MDI/MDIX
- Support DIN-Rail installation
- Extensive LED indicators for network diagnostics
- Environmentally hardened -40℃ to 80℃ (-40℉ to 176℉) operating temperature.