DIGITUS®

Industrial Fast Ethernet Switch

User Manual
DN-650105 (5-port) • DN-650106 (8-port)

Package Contents

Check the following contents of your package:

- Network Switch x 1
- User Guide x1
- Terminal block x 1
- DIN Rail mount x 1

If any part is lost and damaged, please contact your local agent immediately.

Introduction

The Industrial Fast Ethernet Switch is designed for harsh environments where it is exposed to moisture, temperature fluctuations and vibration. With a temperature range of -40°C to 85°C, the Industrial Fast Ethernet Switch can be used under the most adverse conditions. It ensures a constant availability in highly sensitive areas such as transport, production, traffic and safety monitoring. The simple plug and play system allows the Industrial Fast Ethernet Switch to be quickly integrated into the respective environment. With its Fast Ethernet connectivity, the Industrial Fast Ethernet Switch is a flexible, cost-effective solution for the industrial environment.

Hardware Description

Front Panel
The Front Panel consists of Ethernet Ports.
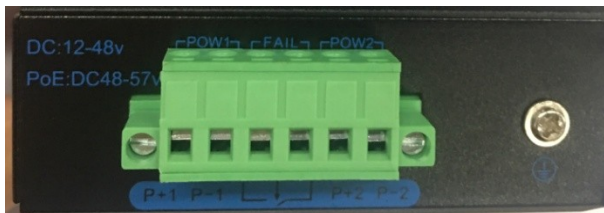The LED indicators are also located on the panel.

DN-651105

DN-651106

LED indicator

LED	Color	Function	
PWR 1	Red	**Off:**	No Power supply
		Light: Indicates the switch has power	
PWR 2	Red	**Off:**	No Power supply
		Light: Indicates the switch has power	
LINK	Orange	**Off:**	No device is connected to the corresponding port
		Light: Indicates the link through that port is successfully established at 10/100 Mbps	
		Blink: Indicates that the Switch is actively sending or receiving data over that port	

Upper Panel

The upper panel has a standard 6-Pin industrial power input terminal for double redundant power backup and accepts DC power input.

Power input

This unit provides a 6-pin terminal block. It can be operated using 12-48 V DC power source. Always make sure your input voltage is within this supported voltage range.

To connect power:
This unit supports two power inputs. Follow the printed polarity for +P1-, +P2- and ground. Connect positive wires to V+, connect negative wires to V-, and connect a neutral wire to the ground mark.
+P1- is for power input one connection (PWR1).
+P2- is for power input two connection (PWR2).

Figure:

WARNING:
Always SHUT OFF power source to connect power wire.

WARNING:
Any exceeded input voltage will not make this unit function and may damage this unit.

Grounding column
The switch already comes with lightning protection mechanism. You can also ground the switch through the PE (Protecting Earth) with Ground Cable.

Installation of the Switch

This part describes how to install your Ethernet Switch and make connections to it. Please follow the following instructions to avoid incorrect installation causing device damage and security threat.

- Before cleaning the switch, unplug the power plug of the switch first. Do not clean the switch with wet cloth or liquid;
- Do not place the switch near water or any damp area. Prevent water or moisture from entering the switch chassis;
- Do not place the switch on an unstable case or desk. The switch might be damaged severely in case of a fall;
- Ensure proper ventilation of the equipment room and keep the ventilation vents of the switch free of obstruction;
- Make sure that the operating voltage is the same one labeled on the switch;
- Do not open the chassis while the switch is operating or when electrical hazards are present to avoid electrical shocks

DIN-Rail Mounting

The DIN-Rail is already screwed on the Industrial Equipment. Please refer to following figures and know how to hang the Industrial Equipment:

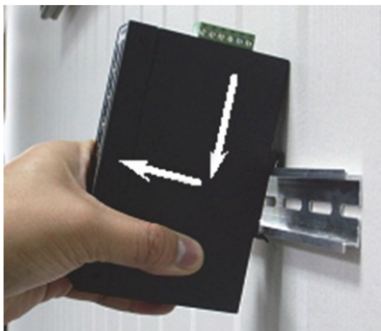**Step 1:** Lightly press the button of DIN-Rail into the track.

Install Industrial Equipment in DIN-Rail mount.

Step 2: Check the DIN-Rail is tightly on the track.

Remove DIN-Rail Mounting

Step 1: Please refer to following procedures to remove the Industrial Equipment from the track.

Remove Industrial Equipment in DIN-Rail mount.

Step 2: Lightly press the button of DIN-Rail for remove it from the track.

Specifications

Model	Industrial 5-Port Fast Ethernet Switch	Industrial 8-port Fast Ethernet Switch
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x	
Network Media (Cable)	10BASE-T: UTP category 3, 4, 5 cable (≤100m) 100BASE-TX: UTP category 5 cable (≤100m)	
MAC Address Table	2K, Auto-learning, Auto-aging	
Transfer mode	Store-and-Forward	
Switching Capacity	1Gbps	1.6Gbps
Input power supply	DC:12-48V	
Dimensions (L*W*H)	128*86*34mm	157*120*48mm
Fan	Fanless	
Temperature	Operating Temperature: -40°C ~ 85 °C Storage Temperature: -40 °C ~ 85°C	
Humidity	Operating Humidity: 0% ~ 95% non-condensing Storage Humidity: 0% ~ 95% non-condensing	
Surge Protection	Differential mode ±4KV Common mode ±6KV	
MTBF	300,000 hours	
Electrostatic standard	Contact 8KV,air 15KV	

This is a Class A product. In home environment, this product may cause radio interference. In this case, the user may be required to take appropriate measures.

Hereby Assmann Electronic GmbH, declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by post under the below mentioned manufacturer address.

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