DIGITUS®

Industrial Gigabit Switch

User Manual

DN-651118 (5-port) • DN-651119 (8-port)

Package Contents

Check the following contents of your package:

- 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 Gigabit 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 Gigabit 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 Gigabit Switch to be quickly integrated into the respective environment. With its Gigabit connectivity, the Industrial Gigabit 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-651118

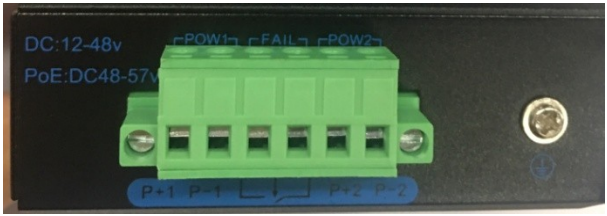
DN-651119

LED indicator

LED	Color	Function
PWR 1	Red	(Only DN-651118) **Off:** No Power supply **Light:** Indicates the switch has power
PWR 2	Red	(Only DN-651118) **Off:** No Power supply **Light:** Indicates the switch has power
PWR	Red	(Only DN-651119) **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.

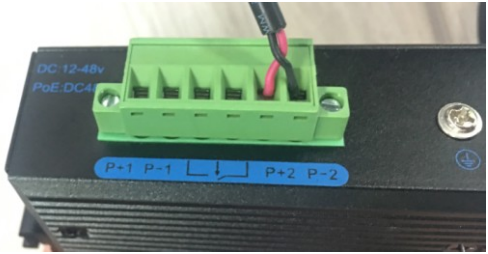


Power input

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:

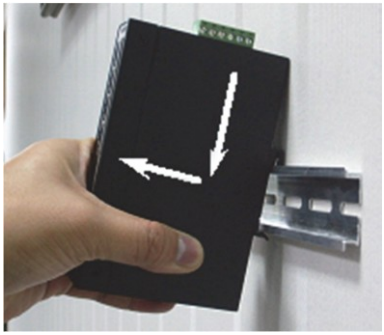
Step 1: Lightly press the button of DIN-Rail into the track.

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 Gigabit Switch	Industrial 8-port Gigabit 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	4K, Auto-learning, Auto-aging	
Transfer mode	Store-and-Forward	
Switching Capacity	10Gbps	16Gbps
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: 5% ~ 95% non-condensing Storage Humidity: 5% ~ 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.

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