



# Industrial Gigabit PoE+ Switch



User Manual DN-651120 (4-port PoE + 1 uplink port) DN-651121 (8-port)

## **Package Contents**

Check the following contents of your package:

- PoE 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. The PoE ports with IEEE802.3af/at support can supply PoE capable devices with up to 30 W per port. 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, costeffective 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-651120



DN-651121

## **LED indicator**

LED	Color	Function	
PWR1	Red	(only DN-651120)	
		Off: No Power supply	
		Light: Indicates the switch has power	
PWR2	Red	(only DN-651120)	
		Off: No Power supply	
		Light: Indicates the switch has power	
PWR	Red	(only DN-651121)	
		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	
PoE	Green	Off: No PoE powered device (PD)	
		connected	
		Light: There is a PoE PD connected to	
		be port	
		Blink: Indicates port abnormal PoE	
		function	

## **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 48-57 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.

Model	Industrial 4-Port Gigabit PoE+ Switch with 1 x uplink port	Industrial 8-port Gigabit PoE+ Switch
	IEEE802.3, IEEE802.3u, IEEE802.3ab,	
Standard	IEEE802.3x, IEEE802.3af, IEEE802.3at,	
	IEEE 802.3z	

### **Specifications**

	10BASE-T:		
	UTP category 3,4,5 cable (≤100m)		
Network Media	100BASE-TX:		
(Cable)	UTP category 5 cable (≤100m)		
	1000BASE-T:		
	UTP category 5e, 5 cable (≤100m)		
MAC Address Table	4K, Auto-learning, Auto-aging		
Transfer mode	Store-and-Forward		
Switching Capacity	10Gbps	16Gbps	
Input power supply	DC:48-57V		
Dimensions (L*W*H)	128*86*34mm	157*120*48mm	
Fan	Fanless		
PoE Port	Port1~4	Port1~8	
PoE Power on RJ45	Mode A 1/2(+),3/6(-)		
PoE Output	30W(Max)		
	Operating Temperature:		
Tomporatura	-40°C ~ 85 °C		
Temperature	Storage Temperature:		
	-40 °C ~ 85°C		
	Operating Humidity:		
Humidity	5% ~ 95% non-condensing		
пиппиту	Storage Humidity:		
	5% ~ 95% non-condensing		
Surge Drotection	Differential mode ±4KV		
Surge Protection	Common mode ±6KV		
MTBF	300,000 hours		
Electrostatic	Contact 8KV, air 15KV		
standard			

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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