



Industrial 8-Port Gigabit Switch



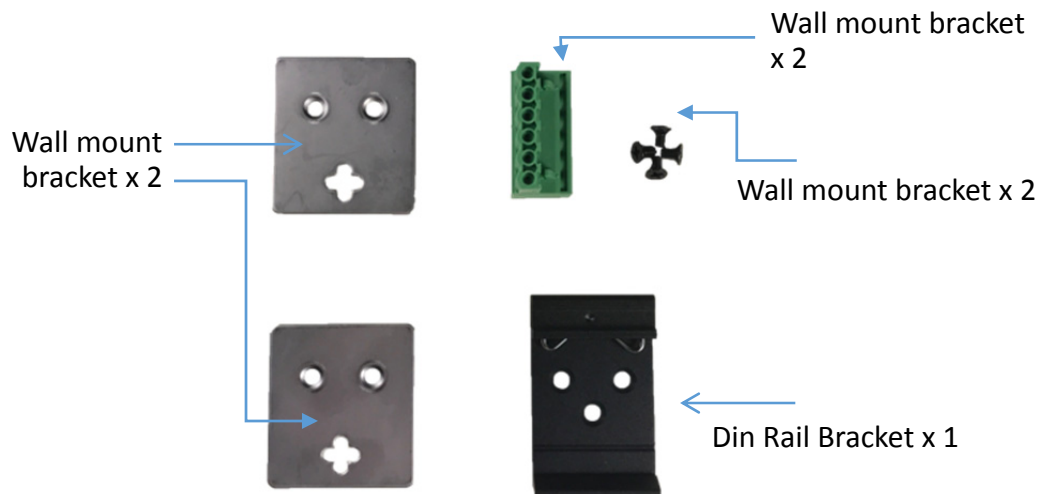
User Manual – DN-651108

Introduction

This industrial 8 port Ethernet Switch is designed especially for IP surveillance, traffic monitoring and for a broad range of applications. It can be used as a stand-alone device for buses, trucks, and other vehicles for surveillance purposes. This unit is suitable for heavy usage environments or central control areas where a reliable device is critical. It has been rigorously tested for your security, transportation and telco application.

Installation package

This unit can be din-rail mounted or wall-mounted. Din-rail brackets and wall-mounted brackets are included.



Package Content:

- 1x Main unit
- 1x User Manual
- 1x Din Rail Bracket
- 2x Wall Mount Bracket
- 1x 6 Pin Terminal Black
- 4x Screws

LED indicator

PW1 (Green)

ON — when P1+, P1- is connected

OFF — P1+, P1- is NOT connected

PW2 (Green)

ON — when P2+, P2- is connected

OFF — P2+, P2- is NOT connected

Link (Green)

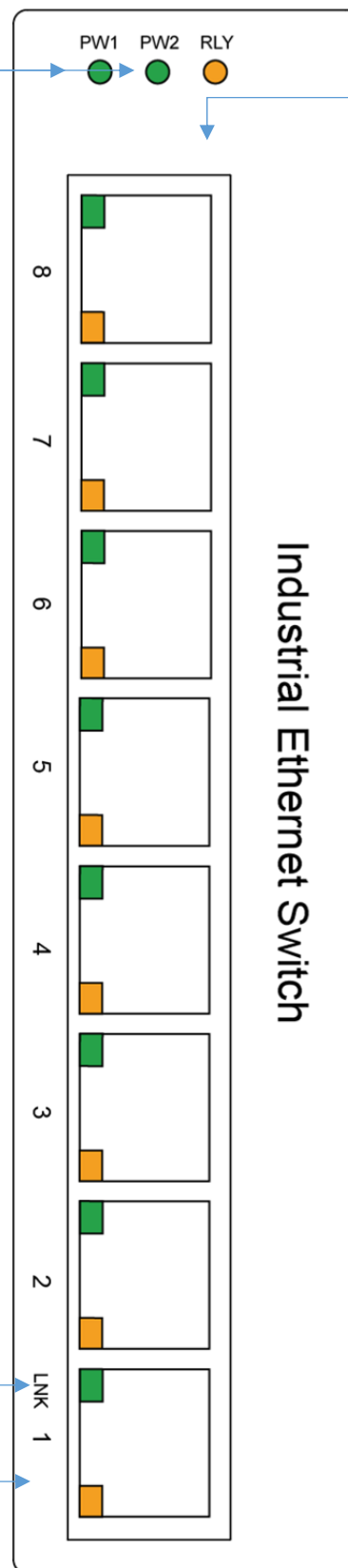
ON — Link port is detected

OFF — Link port is not detected

Flashing — Link port is active

LED (Amber)

OFF — Reserved



RLY (Amber)

ON — Either PW1 or PW2 is connected

OFF — Both PW1 and PW2 are connected

Power connection

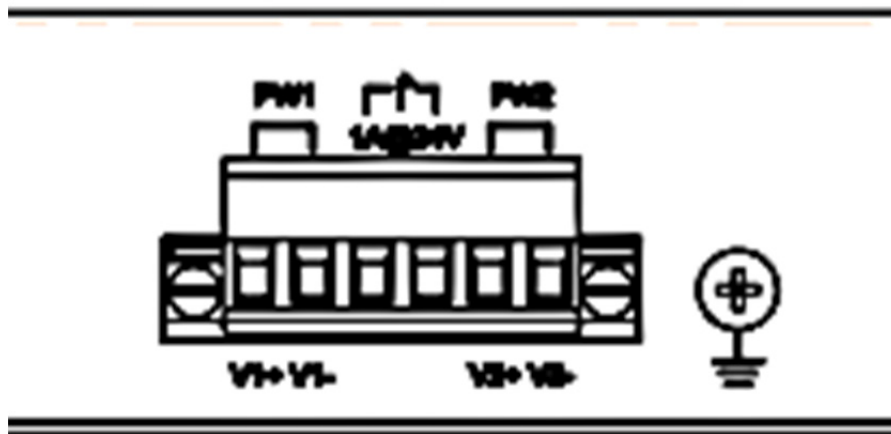
This unit comes with a 6 pin terminal block. It can be operated from 12-56VDC power source. Always make sure your input voltage is within this supported voltage range for each model.

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

To connect power: Follow the printed polarity for PW1+, PW1-, PW2+, PW2-, and ground. Connect positive wires to PW1+ and/or PW2+, connect negative wires to PW1- and/or PW2-, and connect the neutral wire to the ground screw as shown.

Relay: This unit includes an additional 24V@1A relay circuit for special purpose. When 2 powers are connected, the relay is in OPEN mode. If only one of the power sources is connected, the relay changes to SHORT mode. This relay will only work with PW1 and PW2. It is independent from PW3.

Power connecting procedure:

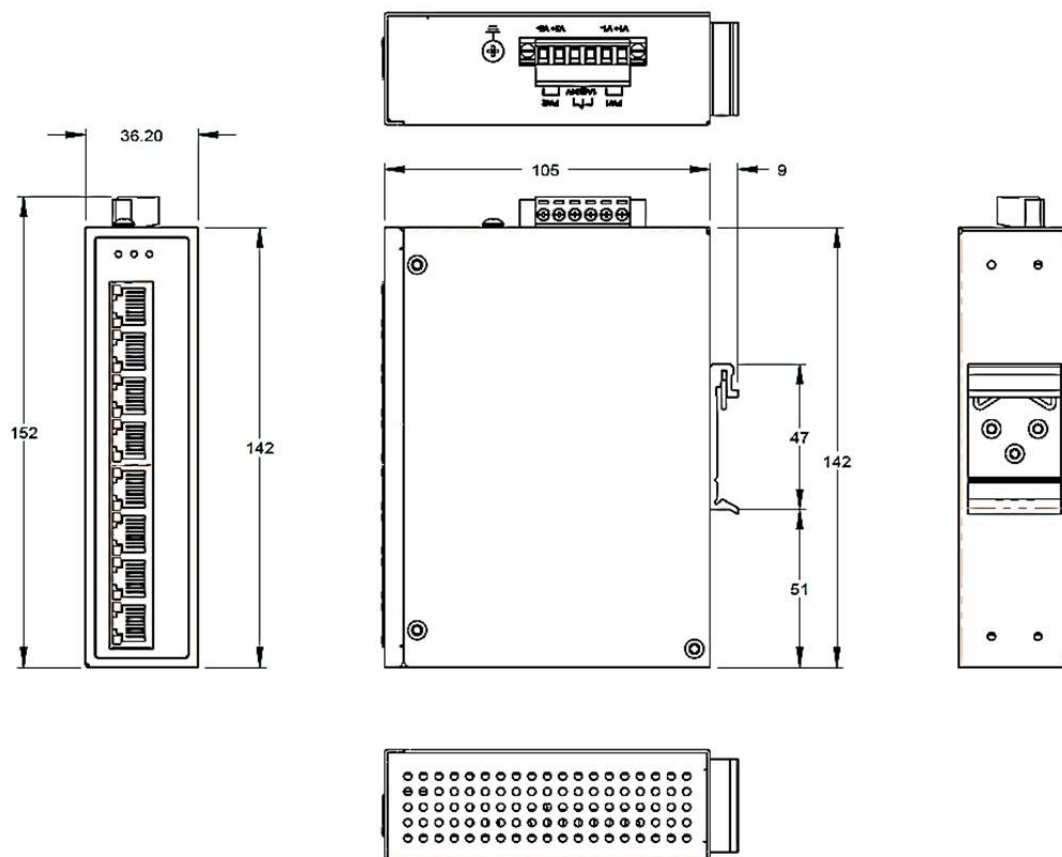


- **STEP 1 –** Pull out 6 pin terminal block.
- **STEP 2 –** Connect wire to PW1+, PW1-, PW2+, PW2-, and the Neutral wire to the ground screw.
- **STEP 3 –** Plug connected 6 pin terminal blocks back into place.

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

WARNING -- Always ground the power source to maintain a clean power input. Cheaply made power supplies create too much noise and will cause the power input to fluctuate when connected to this unit. To avoid this, always ground the power source to maintain a clean power input.

Housing Dimension (mm)



Specification

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Ethernet IEEE802.3x Flow Control and Back Pressure,
Switch Architecture	Back-plane (Switching Fabric): 16Gbps
Data Processing	Store and Forward
Flow Control:	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	9KB
MAC address Table Size	8K
Packet Buffer Size	1M
Network Connector:	8xRJ-45 10/100/1000BaseT(X) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex
Network Cable	UTP/STP above Cat.5e Cable
	EIA/TIA-568 10-ohm (100m)
Protocol	CSMA/CD
LED	PW1 (Power 1) Green, PW2 (Power 2) Green, RLY (relay) Amber,
	TX/RJ-45 port: LNK (Link/Active) Green,
Housing	Heavy Metal Housing
Reserve polarity protection	Present
Overload current protection	Present
Power Supply	Redundant Dual DC 12V-56V
Power Consumption	5W@48 VDC full load,
Alarm Relay Contact	Relay outputs with current carrying capacity of 1 A @24VDC, Relay in short circuit mode when 1 power is connected. in open circuit mode when two power supply are connected
PoE power	N/A
Removable Terminal Block	Provide 2 Redundant power, Alarm relay contact, 6 Pin Wire range: 0.34mm ² to 2.5mm ² Solid wire (AWG): 12-24/14-22

	Stranded wire(AWG): 12-24/14-22 Torque: 5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm
Operating Temperature	-40°C to 75°C
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C to 85°C
MTBF (mean time between failure)	510,304 hrs (MIL-HDBK-217F) at 25°C
Housing	Rugged Metal, IP30 Protection
Case Dimension (L x W x D)	142mmx36.2mmx105mm (LxWxD)
Installation mounting	DIN Rail and Wall Mount Options Included

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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