

# User Manual

Industrial Fast Ethernet 8 port Ethernet Switch, Power input 12-56VDC, -40°C to 75°C

## FCC MARKING

This Equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received; including interference that may cause undesired operation.

## CE MARKING

This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE, the essential protection requirement of Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Company has an on-going policy of upgrading its products and it may be possible that information in this document is not up-to-date. Please check with your local distributors for the latest information. No part of this document can be copied or reproduced in any form without written consent from the company.

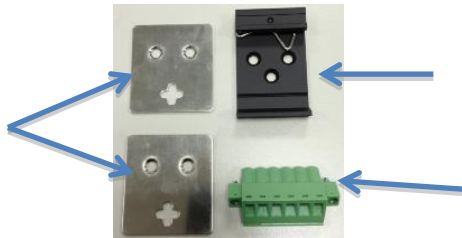
## Trademarks:

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## Installation package

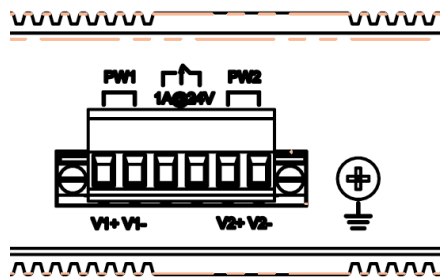
This unit can be installed by din-rail mounted or wall-mounted. Din-rail brackets and wall-mounted bracket are included.



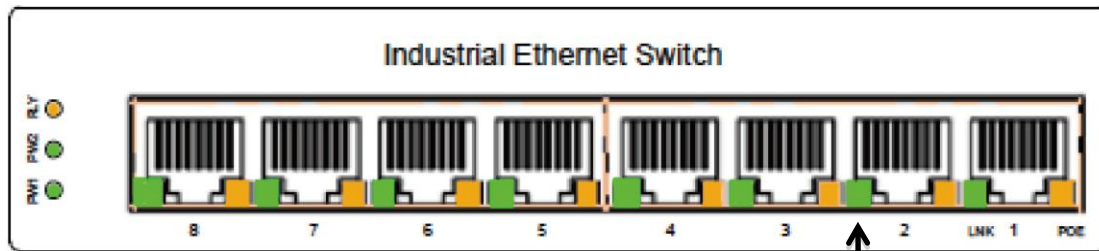
Wall mount bracket x 2

## Power connection

**WARNING**



# LED indicator



PW1  
ON -- when V1+, V1- is connected

PW2  
ON -- when V2+, V2- is connected

Relay LED Amber  
ON one power is connected  
OFF two powers are connected

This unit has no POE feature. the POE amber LED will always stays in OFF status.

Green LED ---  
ON =Link  
Flash = TX/RX.

**Specification:**

<b>IEEE Standard</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE802.3x Flow Control and Back Pressure
<b>Switch Architecture</b>	Back-plane (Switching Fabric): 1.6Gbps
<b>Data Processing</b>	Store and Forward
<b>Flow Control:</b>	IEEE 802.3x Flow Control and Back Pressure
<b>MAC address Table Size</b>	1K
<b>Packet Buffer Size</b>	1M
<b>Network Connector :</b>	8xRJ-45 10/100BaseT(X) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex
<b>Network Cable</b>	UTP/STP above Cat.5e Cable
	EIA/TIA-568 10-ohm (100m)
<b>Protocol</b>	CSMA/CD
<b>LED</b>	PW1(Power 1) Green, PW2(Power 2) Green, SW(relay) Amber,
	TX/RJ-45 port: LNK (Link/Active) Green,
<b>Housing</b>	Heavy Metal Housing
<b>Reserve polarity protection</b>	Present
<b>Overload current protection</b>	Present
<b>Power Supply</b>	Redundant Dual DC 12V-56V Power Input
<b>Power Consumption</b>	3W@48 VDC full load,

<b>Alarm Relay Contact</b>	Relay outputs with current carrying capacity of 1 A @24VDC, Relay in short circuit mode when 2 powers are connected. in open circuit mode when only one power supply is connected
<b>POE power</b>	n/a
<b>Removable Terminal Block</b>	Provide 2 Redundant power , Alarm relay contact ,6 Pin Wire range: 0.34mm <sup>2</sup> to 2.5mm <sup>2</sup> 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
<b>Operating Temperature</b>	-40°C~75°C fully tested.
<b>Operating Humidity</b>	5% to 95% (Non-condensing)
<b>Storage Temperature</b>	-40°C~85°C
<b>MTBF (mean time between failure)</b>	510,304 hrs ( MIL-HDBK-217F) at 25°C
<b>Housing</b>	Rugged Metal ,IP30 Protection
<b>Case Dimension (L x W x D)</b>	142mmx36.2mmx105mm (LxWxD)
<b>Installation mounting</b>	DIN Rail mounting and Wall Mounting
<b>Certifications:</b>	
<b>EN55022/24</b>	ITE equipment
<b>EN55011</b>	Industrial, Scientific and Medical (ISM) equipment
<b>Safety</b>	IEC EN60950-1
<b>EMC/EMS</b>	CE, FCC, VCCI
<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
<b>EN 50155 / EN 60068-2-6</b>	Vibration
<b>EN 50155 / EN 60068-2-27</b>	Shock
<b>EN 50155 / EN 60068-2-32</b>	Free Fall

# Housing Dimension

