

Industrial

Management 8+2 switch

➤ user's manual

industrial 8GE+2SFP / industrial 8GE PoE+2SFP

Product Introduction

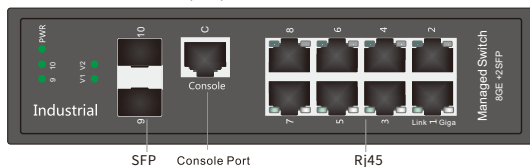
The industrial managed PoE switch series has industrial grade performance characteristics and can withstand harsh working environments. The product series is rich and the port configuration is flexible, which can meet the usage needs of various industrial fields. Provide a comprehensive security protection system, complete ring network applications, QoS policies, and rich VLAN functions, with simple management and maintenance, to meet the complex and high-density, high-power PoE power supply and intelligent management needs of factories, mines, industrial automation, transportation, infrastructure, ports, and farms in various networks.

characteristics

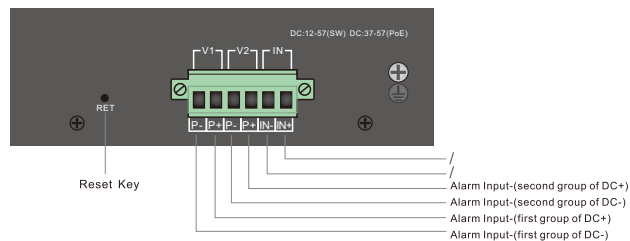
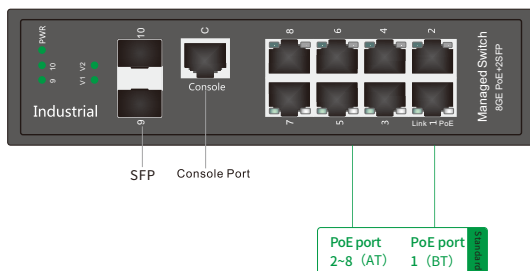
- ◆Up to 6KV lightning protection
- ◆ESD electrostatic protection up to 8KV
- ◆Support industrial grade working temperature: -40 °C~80 °C;
- ◆Supports industrial grade working humidity: 10%~90% RH
- ◆Supports the highest standard BT power supply 90W (limited to PoE type) in the PoE industry
- ◆Supports wide voltage input: 12-57V (SW)/37-57V (PoE)
- ◆Unique advanced PoE watchdog function (limited to PoE type)

Display & Description

industrial 8GE+2SFP, 8*10/100/1000M RJ45+2*1000M SFP



industrial 8GE PoE+2SFP, 8*10/100/1000M PoE端口+2*1000M SFP



Definition of indicator lights

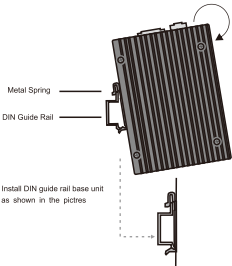
Indicator(Front)		Status	Description
PWR: Power/System Indicator Light		Always ON	System in loading(<30S)/System crashed(>30S)
		Always OFF	Power unconnected
		Flicker for 1S	System in normal operation
Network port indicator light Industrial 8GE+2SFP	Giga-orange	Always ON	Corresponding ports operate at 1000M mode
		Always OFF	Corresponding ports operate at 100M mode or not communicated
		Always ON	Corresponding ports operate at 100M mode
	Link-green	Always ON	Network signal not communicated
		Always OFF	Device connected to it and providing normal power supply
		Always OFF	No power receiving equipment connected to it or no power supply
Standard PoE	PoE port indicator light (Ports 1-8) Industrial 8GE PoE+2SFP	Always ON	Network signal communicated
		Always OFF	Network signal not communicated
	Link-green	Always ON	
		Always OFF	

Function indicator (front)	Status	Description	Function Indicator(Front)	Status	Description
V1: Master power LED	Always ON	Master power is normal and in power supply	9~10: SFP V2: Slave power LED	Always ON	SFP connected
	Always OFF	No master power input		Always OFF	SFP not connected or abnormal
	Flicker for 1/4s	Power and voltage abnormal		Always ON	Slave power is normal and in power supply
	Flicker for 1s	Power and voltage normal(in reserve)		Always OFF	No slave power input
				Flicker for 1/4s	Power and voltage abnormal
				Flicker for 1s	Power and voltage normal(in reserve)

Installation

DIN Guide Rail

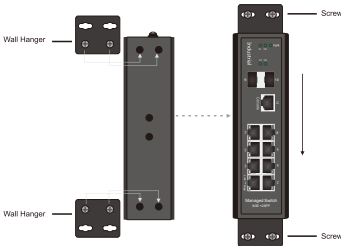
① Insert the top of DIN guide rail into the groove at the bottom of rigid metallic spring.



② Install DIN guide rail base unit as shown in the pictures

Wall-mounting

① Install the wall hangers onto the switch. ② Secure the switch length onto the wall by using screws.



Attentions

1. Please read the user manual detailed before using the switch, or improper operation can cause damage to machine components.
2. Do not use it in the place near fire source.
3. Do not throw it into the water neither do not wet the inner machine components.
4. Do not short circuit the positive and negative poles of the battery with metal conductor.
5. Do not dismantle or disassemble inner components, or factory will not underwrite the warranty stipulation.

Product List

► 1*Switch

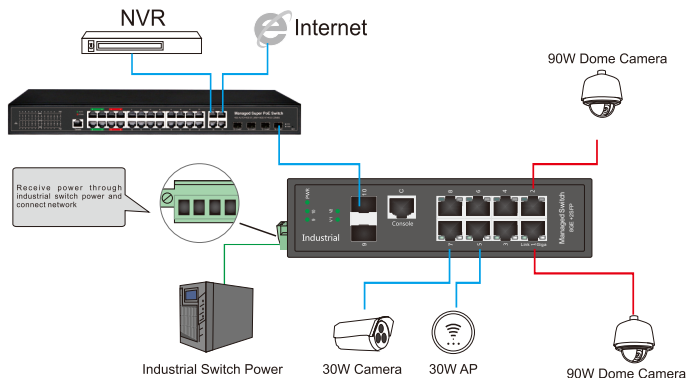
► 1*User Manual+Warranty Card

► Wall hangers +guide rail

Product Application

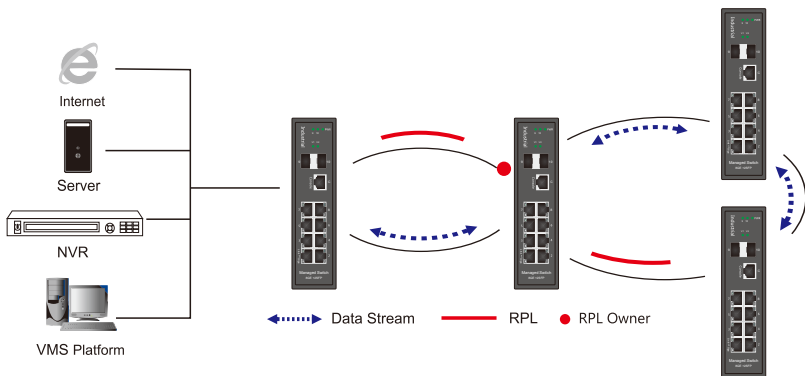
1. PoE and high-power power supply applications

Can it support up to 90W



2. Ring Network Application on Video Surveillance System

Unique ring network formation with one button, achieving reliable network formation.



More applications with more practical environment matching

Technical parameters (hardware)

model	industrial 8GE+2SFP		industrial 8GE PoE+2SFP	
product name	Industrial grade 2 optical 8 electrical management switch			
management port	1*console			
Reset	1			
Downlink Port	8*10/100/1000Base-TX RJ45□ (Data)		8*10/100/1000M 1-2 ports support BT PoE (maximum 90W/port) 3-8 ports support AT PoE	
uplink port	2*10/100/1000M SFP			
Network Protocol	IEEE 802.3x IEEE 802.3、IEEE 802.3u、IEEE 802.3ab、 IEEE 802.3z IEEE 802.3ad IEEE 802.3q、IEEE 802.3q/p IEEE 802.1w、IEEE 802.1d、IEEE 802.1S IEEE 802.3z 1000BASE-X STP(Spanning Tree Protocol) RSTP/MSTP(Rapid Spanning Tree Protocol) EPPS ring network protocol EAPS ring network protocol		IEEE 802.3x IEEE 802.3、IEEE 802.3u、IEEE 802.3ab、 IEEE 802.3z IEEE 802.3ad IEEE 802.3q、IEEE 802.3q/p IEEE 802.1w、IEEE 802.1d、IEEE 802.1S IEEE 802.3z 1000BASE-X STP(Spanning Tree Protocol) RSTP/MSTP(Rapid Spanning Tree Protocol) EPPS ring network protocol EAPS ring network protocol 802.3AF/AT/HiPoE/BT	
Network port characteristics	1-8 ports 10/100/1000BaseT (X) automatic detection, full/half duplex MDI/MDI-X adaptive			
Forwarding mode	Store and forward (full line speed)			
backplane bandwidth	20Gbps			
packet forwarding rate	14.88Mpps			
MAC address	8K			
Packet forwarding cache	4.1M			
Twisted pair transmission	10BASE-T : Cat3,4,5 UTP(≤250 meter) 100BASE-TX : Cat5 or later UTP(≤100 meter) 1000BASE-TX : Cat6 or later UTP(≤1000 meter) 1000BASE-SX:62.5μm/50μm MMF(2m~550m) 1000BASE-LX:62.5μm/50μm MM(2m~550m) or 10μm SMF(2m~5000m) Support universal type BIDI			
FLASH	16M			
RAM	128M			
power consumption	Standby power consumption ≤ 5W Full load of the whole machine ≤ 15W		Standby power consumption ≤ 5W Only network full load ≤ 15W Full load of the whole machine ≤ 360W	
LED indicator light	9-10: (Light port connection indicator light) Ports 1-8: (green/100M; green+orange/1000M) PWR: Power indicator light/ SYS system indicator light V1: Main power indicator light V2: From power indicator light		9-10: (Light port connection indicator light) Ports 1-8 (green/network indicator light; orange/PoE indicator light) PWR: Power indicator light/ SYS system indicator light V1: Main power indicator light V2: From power indicator light	
power input	2 sets of independent power inputs SW: DC 12-57V		2 sets of independent power inputs SW: DC 12-57V PoE: DC 37-57V	
Working temperature/humidity	-40~80 °C; 10%~90% RH without condensation			
Storage temperature/humidity	-40~+5 °C; 5%~95% RH without condensation			
protection grade	Port lightning protection: 6KV 8/20us; 8KV ESD electrostatic protection; Protection level: IP40			
Product size	(L*W*H): 160mm*130mm*45mm			
Net weight (kg)	0.9kg		1kg	
Installation method	DIN rail type (with additional wall mounting ears)			
Warranty period	Complete machine for 1 year (excluding accessories)			

Attentions

To avoid equipment damage and personal injury caused by improper use, please follow the precautions as below:

!Keep the status of power-off during installation, and wear anti-static wrist to ensure good contact between anti-static wrist and skin to avoid the hidden danger.

!The switch can only work normally under the correct power supply. Please confirm that the power supply voltage is consistent with the voltage marked by the switch.

!Before switch on, please make sure that it will not cause overload of the power circuit, so as not to affect the normal operation of the switch or even unnecessary damage.

!In order to avoid the danger of electric shock, do not open the shell up when the switch works, even in the case of no live current, do not open.

!Before cleaning the switch, pull out the power plug. Do not wipe it by using wet fabrics or liquid.

!Install device in the rack-mount regularly from top to bottom, incase of over-load installation.

!Don't place other heavy objects on the surface of the switch to avoid accidents.

