

# 11 ports industrial PoE switch

8\*10/100M PoE ports, 1\*10/100/1000M ports, 2\*1000M SFP ports

## User manual

V 1.0

### Overview

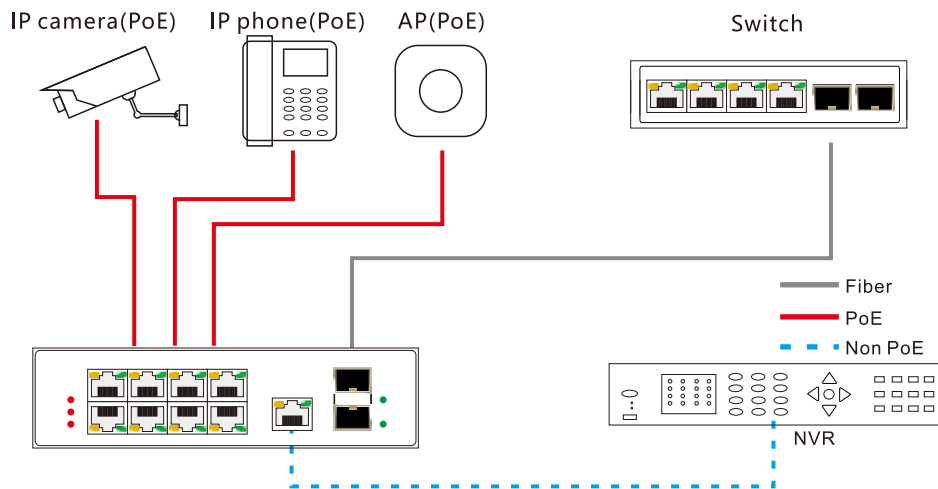
It is a 11-port Industrial unmanaged PoE switch that supports up to 8\*10/100M PoE ports, 1\*10/100/1000M ports, 2\*1000M SFP ports. 8\*10/100M ports support PoE+, conforming to IEEE

802.3af/at standard, 2 port Hi-PoE power up to 90W(IEEE802.3 bt), 6 port PoE power up to 30W. It provides three modes, Extend, Default and VLAN, to adapt to various complex environments. At the same time, support PoE auto-check function, which is specially designed to solve the problem of equipment frozen and restart the frozen equipment automatically, which greatly reduces the difficulty of project maintenance. It has a high anti-interference ability, the product supports 6KV surge protection, and 8KV contact / 15KV air ESD protection. It supports wall hanging, desktop and Din-rail installation, reliable and durable, and can be used in security network video monitoring, network engineering and other occasions.

### Feature

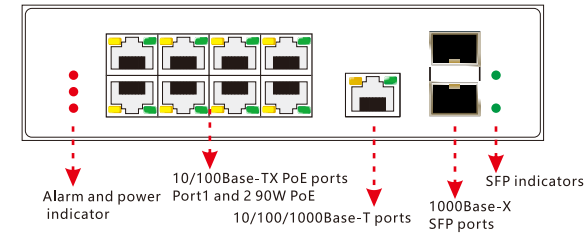
- With 8\*10/100M PoE downlink ports, 1\*10/100/1000M Ethernet uplink ports and 2\*1000M SFP ports;
- Support 2 ports PoE power each up to 90W, 6 ports PoE power each up to 30W;
- Provides three modes of Extend, Default and VLAN to adapt to various complex environments;
- Support PoE auto-check function, which is specially designed to solve the problems of equipment frozen. It can automatically detect the frozen PD equipment and restart the ports' output of PSE, and restart the PD device. It greatly reduces the maintenance difficulty of engineering;
- Support relay alarm for power off, network broken, PoE off;
- 6KV surge protection, 8KV contact/ 15KV air ESD protection;
- Support working temperature -40℃~75℃.

### Application



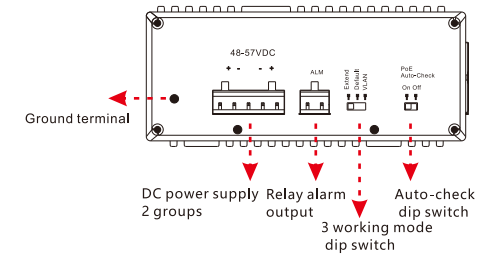
### Panel diagram

#### Front panel



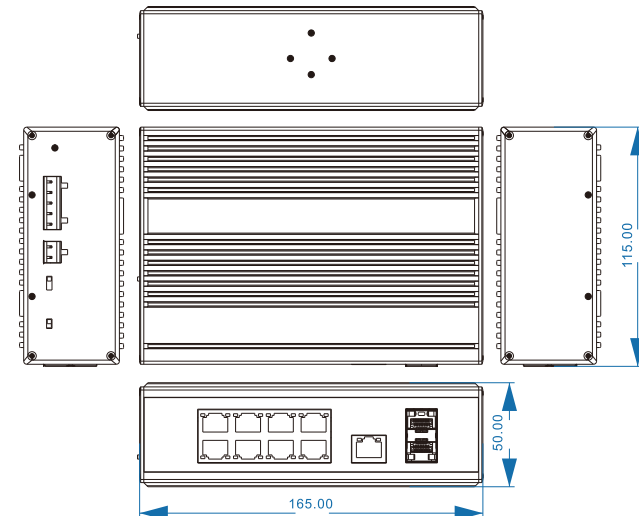
**Attention 1:** This product must be well grounded against lightning, please use better than 20# cable to connect the grounding terminal and ground.

#### Left panel



- Attention 2:**  
Extend, Default, VLAN mode: It can be selected by dip switch.  
Extend: 1~8 ports Max. 250m transmission; 1~8 ports are isolated, only can communicate with the uplink ports; restrain the network storm; close flow control.  
Default: common switch.  
VLAN: 1~8 ports are isolated, only can communicate with the uplink ports; restrain the network storm; close flow control.
- Attention 3:**  
POE Auto-Check: PoE Auto-Check function is open/ closed by dip switch.  
The switch always auto detect 1~8 ports whether frozen, if some ports are frozen, the switch will restart them, but other ports are unaffected.

### Structure dimension



## Package list

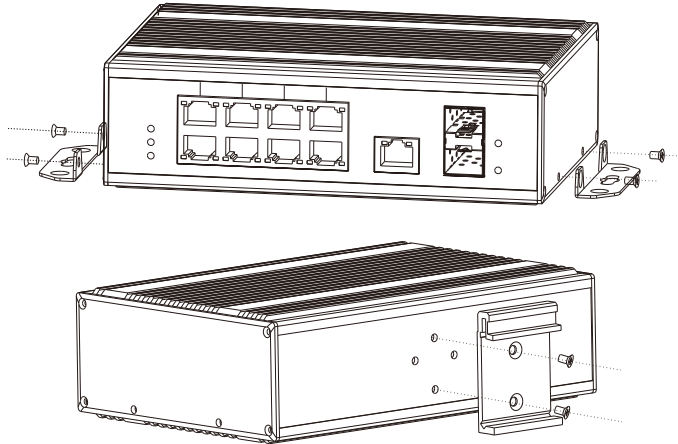
Please check the following items before installation,if any missing , please contact your local dealer.

Switch	1 pc
Power adaptor+AC cable	1 set (Optional)
Wall hanger + Din-rail hanger + screw	1 set
User manual	1 pc

## Installation

### ● Installation on the wall

- 1) Use the screws to fix the hanger, follow the figure below;
- 2) Drill holes on a strong position of wall and then drive the rubber plug into the hole;
- 3) Drive these screws into the holes.



### ● Installation step

Please follow the following steps( take video monitoring for example).

- 1) Please turn off the signal source and the device's power, installation with power on may damage the device;
- 2) Use 8 pcs UTP cables to connect 8pcs IP cameras with the product's 1~8 RJ45 Ethernet ports;
- 3) Use 1 pcs UTP cables to connect switch's UPLINK port with NVR and other switch;
- 4) Connect switch with power adapter;
- 5) Check if the installation is correct and device is good, make sure all the connection is reliable and power up the system;
- 6) Make sure every network device has power supply and work normally.

## Specification

Item		
Power	Power supply	Powered by power adaptor
	Range of voltage	DC48V~57V
	Consumption	Self-consumption<5W, PoE output Max. 360W
Ethernet ports parameter	Ethernet ports parameter	Ports 1-2 10/100Base-TX 90W PoE RJ45(IEEE802.3bt) 3~8 10/100Base-TX 30W PoE RJ45(IEEE 802.3af/at); Port 9 10/100/1000Base-T RJ45; Ports 10-11 1000 SFP slots.
	Relay alarm output	If power supply off; ports link-off; ports PoE off, alarm output
	POE Auto-check	If detect the frozen PD device, restart it
	Working mode	Extend mode: ports 1 ~ 8 Extend up to 250m; 1 ~ 8 ports are isolated from each other and can only communicate with the uplink ports; restrain the network storm; turn off the flow control. Default mode: normal switch mode. VLAN mode: ports 1 ~ 8 are isolated from each other and can only communicate with the upper port; restrain the network storm; turn off the flow control.
	Cable and distance	Use cat5e/6, 100m max.(Extend mode max.250m)
Switch parameter	Standard	IEEE802.3, IEEE802.3u, IEEE802.3z
	Switch fabric	7.6Gbps
	Throughput	5.6Mpps
	Buffer	1M
	MAC address table	8K
Indicator	Power	1 *red
	Uplink 9~11	green LEDs indicate Link/Act
	Downlink 1~8	On RJ45 green LEDs indicate Link/Act, yellow LEDs indicate PoE
Protection	Surge	6KV, standard: IEC61000-4-5
	ESD	8KV: contact 15KV: air, standard:IEC61000-4-2
Enviroment	Working temperature	-40°C~75°C
	Storage temperature	-40°C~85°C
	Humidity	0~95%(No condensation)
Structure	Demension(L×W×H)	165 mm x 115 mm x 50mm
	Material	Aluminum
	Colour	Black
	Net-weight	1000g