# User manual

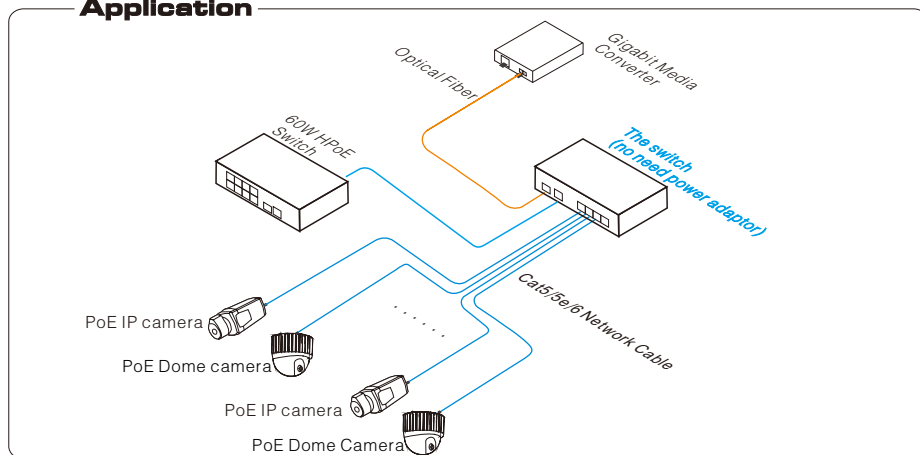## Gigabit Switch, Unmanaged, 60W, 4x PoE, PoE watchdog

## IAM-5SE1004MUC

# 4 ports industrial full-gigabit PoE switch (60W HPoE powered)

## User Manual

Ver 1.0

It is an industrial full-gigabit PoE switch, the switch provides 1*10/100/1000Base-T PoE in port(60W PoE input), 4*10/100/1000Base-T PoE out ports (30W PoE output, support IEEE802.3af/at) and 1*1000Base-X SFP port. It supports PoE watchdog (Detect POE device when it is frozen, reboot automatically). It supports -40 to +75°C working temperature, 6KV surge protection,8KV/15KV ESD protection. It could be widely used in security network video surveillance, network engineering and other occasions.
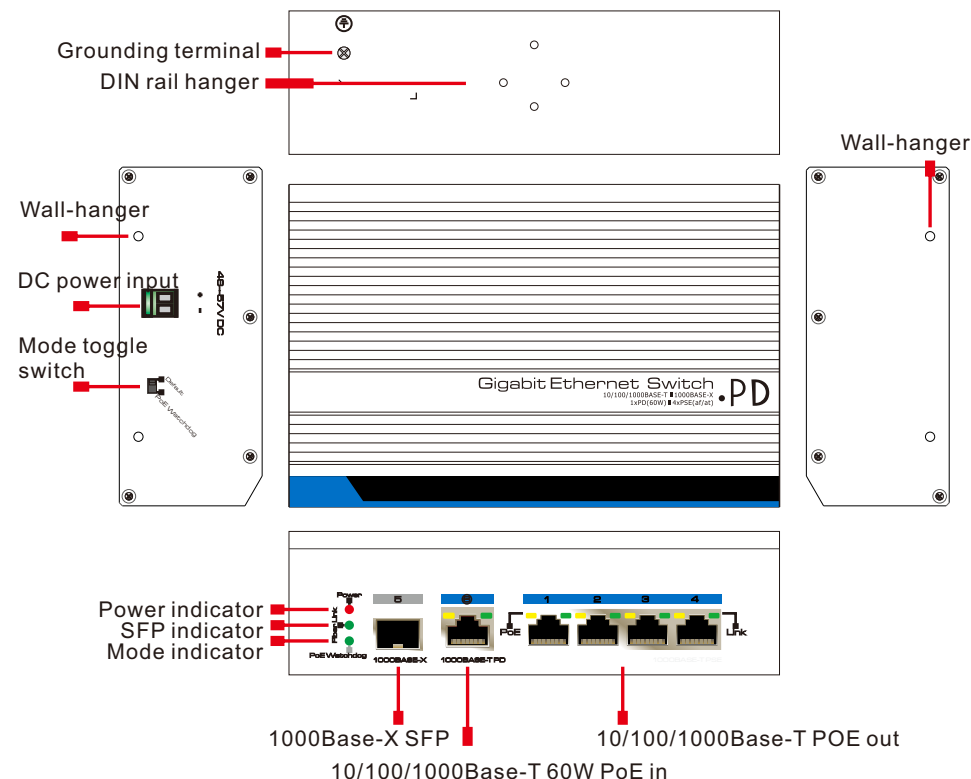
### Application

Gigabit Media Converter

Optical Fiber

60W HPoE Switch

The switch (no need power adaptor)

Cat5/5e/6 Network Cable

PoE IP camera

PoE Dome camera

PoE IP camera

PoE Dome Camera

## ■ Feature

● Provide 1*10/100/1000Base-T PoE In Port(60W PoE input);
● Provide 4*10/100/1000Base-T PoE out Ports(30W PoE output, support IEEE802.3af/at);
● Provide 1* 1000Base-X SFP port;
● Support PoE watchdog(Detect POE device when it is frozen, reboot automatically);
● Redundant power design, support power hot backup;
● Support -40 to +75°C working temperature;
● Support 6KV surge protection,8KV/15KV ESD protection.
● Din-rail and wall-mount installation.

## ⚠ Caution

1) Transmission distance is related to the connecting cable. We suggest to use standard Cat5e/6 network cable to get the best transmission effect.
2) If use optical uplink port, customer needs to purchase additional SFP module.
3) The equipment must be connected to anti-thunder grounding ,otherwise the protection level will be greatly reduced ; please use NO. 20th or above wire to connect grounding terminal to the earth.
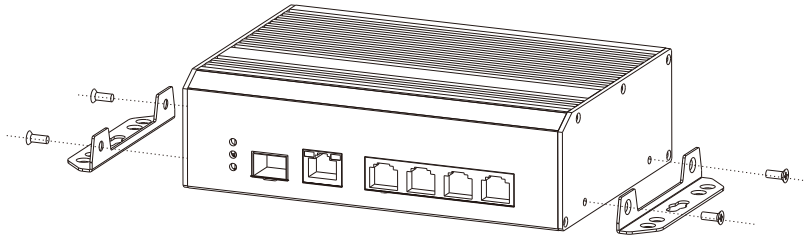
## ■ Board Diagram

Grounding terminal

DIN rail hanger

Wall-hanger

Wall-hanger

DC power input

Mode toggle switch

Gigabit Ethernet Switch
10/100/1000BASE-T ▌1000BASE-X
1xPD(60W) ▌4xPSE(af/at)
PD

Power indicator
SFP indicator
Mode indicator

1000Base-X SFP

10/100/1000Base-T POE out

10/100/1000Base-T 60W PoE in

## ■ Installation steps

Please check the following items before installation. If any missing, please contact the dealer.

● POE Ethernet switch          1 pc
● Power adapter                1 pc
● Wall hangers                 2 pcs
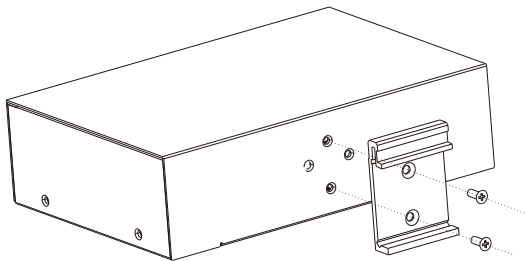● Din rail hanger              1 pc
● User manual                  1 pc

### Please follow the following installation steps

1) Please turn off the signal source and the device's power, installation with power on may damage the device;
2) Use 4pcs network cables to connect 4pcs IP cameras with the product's1~4 RJ45 Ethernet ports;
3) Use another network cable or (optical fiber) to connect switch's UPLINK port with NVR or computer;
4) Use another PoE swtich connect the port 6 to power the switch;
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 power supply works normally.

### Wall-mount installation



### Din-rail installation

## 📱 Specification

| Item | | 4 ports PoE Ethernet Switch |
|---|---|---|
| Power | Power Supply | Power adapter |
| | Voltage range | DC48V~57V |
| | Consumption | Self consumption < 5W |
| Ethernet Port Parameter | Ethernet Port | 1~4 ports: 10/100BASE-TX 30W PoE out; Port 6:10/100/1000BASE-T 60W PoE in; Port 5: 1000BASE-X SFP |
| | One key PoE Watchdog | PoE watchdog(Detect POE device when it is frozen, reboot automatically); |
| | Transmission Medium | Cat5e/6 network cable |
| | PoE out standard | IEEE802.3af/at |
| | PoE out Power Supply | End−span |
| | PoE Power output | If PD power input, PoE output ≦50W; If Power adaptor DC input, PoE output:120W max. |
| | Port 6 PoE in | Compatible with af(15W), at(30W), 60W(maxim and microsemi solution) |
| Ethernet Exchange Specification | Ethernet Standard | IEEE802.3 10BASE−T; IEEE802.3u 100BASE−TX; IEEE802.3ab 1000BASE−TX; IEEE802.3z 1000−SX/LX |
| | Switch Fabric | 12Gbps |
| | Throughput | 8.9Mpps |
| | Packet Buffer | 1Mbit |
| | MAC Address | 8K |
| Indicator Status | Power LED | 1*red |
| | CCTV LED | 1*green, the green light on indicates PoE Watchdog Mode start |
| | Optical Port LED | 1*green LED indicate network |
| | Uplink Ethernet Port LED | Green and yellow LED on RJ 45 indicate network |
| | Downlink Ethernet Port LED | 1~4 ports : green LED indicates network status, yellow LED indicates PoE status |
| Protection | Port Lighting Protection | 6KV , Per: IEC61000−4−5 |
| | ESD | 6KV/ 8KV , Per: IEC61000−4−2 |
| Operation Environment | Working Temperature | -40℃~75℃ |
| | Storage Temperature | -40℃~85℃ |
| | Humidity (Non−condensing) | 0~95% |
| Mechanical | Dimension(L × W × H) | 163mm×110mm×44mm |
| | Material | Metal |
| | Color | Black |
| | Weight | 540g |