



## 4-Port Gigabit Industrial Un-Managed POE Switch with 2 SFP Uplink

### Key Features:

**Ports:** Provide 4\*10/100/1000Mbps PoE ports with 2\* 1000Mbps SFP

**PoE Standard:** IEEE802.3af/at Power over Ethernet (PoE) Compliant

**Self-adaption:** RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX

**Industrial Installation:** Din Rail mounting installation

**Wide Application:** Designed for Railway, traffic etc. some Industrial environment.

**Surge protection:** Protect the device from lightning surges and others electrical hazards.

**Working Temperature:** -40 to 85 degrees operating temperature

**Considerate Design:** IP40 Industrial design with dual power input

**Easy to use:** Plug and play, no configuration required.



**AM-ISUG-4042GF-P**

### Environmentally Hardened Design

With the **IP40** metal industrial case which provides a high level of immunity against electromagnetic interference and heavy electrical surges, being able to operate under the temperature range from **-40 to 85 degree C**, the AM-ISUG-4042GF-P can be placed in almost any difficult environment.



### Surge Protection Design

provides contact discharge of  $\pm 8\text{KV}$  DC and air discharge of  $\pm 15\text{KV}$  DC for Ethernet ESD protection. It also supports  $\pm 6\text{KV}$  surge immunity to improve product stability and protects users' networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.



### Gigabit SFP Uplink Port

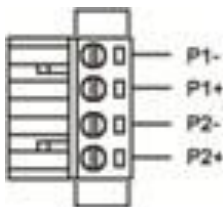
With two SFP module slot available, the SFP uplink port is ideal for connecting the switch to the network's backbone, providing more than enough bandwidth and stability for ultra-high speed data transferring, Beside the SFP can transmit the data with Max 100Km distance with more economical solution.

## Technical Specification

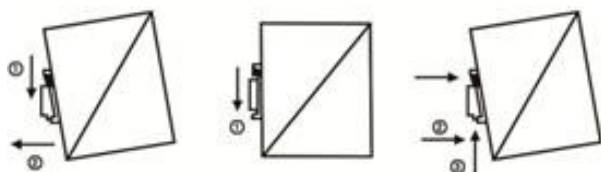
<b>Model</b>	<b>AM-ISUG-4042GF-P</b>
<b>Hardware Specifications</b>	
Ports	4*10/100/1000BASE-T RJ45 auto MDI/MDIX ports 2*1000 Base-X SFP Slots
PoE Port	4*10/100/1000Mbps POE PSE port
LED Display	Power Indicator: PWR (green). Network Indicator: Link (yellow) PoE Working Indicator: PoE (green)
Thermal Fan	Fanless Design
Installation	Din Rail
Switch Architecture	Store and forward
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex
Switch Performance	Backplane bandwidth – 12 Gbps
	Packet forwarding rate - 8.92Mpps
	MAC address - 8k
Power requirement	DC 12V~54V
ESD Protection	6KV ESD
Dimension(W×D×H)	30mm x 90mm x 130mm (1.18in x 3.54in x 5.12in)
Weight	1 kg
<b>POE Specifications</b>	
Network standard	IEEE802.3i 10 BASE-T
	IEEE802.3u 100 BASE-TX, IEEE802.3ab 1000BASE-T
	IEEE802.3x Flow Control
	IEEE802.3az EEE
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE
PoE Supply Type	1/2(+), 3/6(-) End-span
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)
PoE Power budget	65W
<b>Environment specification</b>	
Safety	FCC Part15 Class A, CE, RoHs
Environment specification	Operating temperature: -40°C~85°C, operating humidity: 5%~95% Storage temperature: -40°C~85°C, storage humidity: 5%~95%

## Installation Models

### Power Terminal

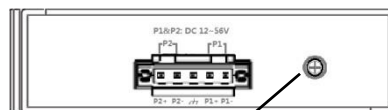


- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 12V-54VDC wide voltage input
- ◆ P1&P2 dual power input
- ◆ Reverse protection



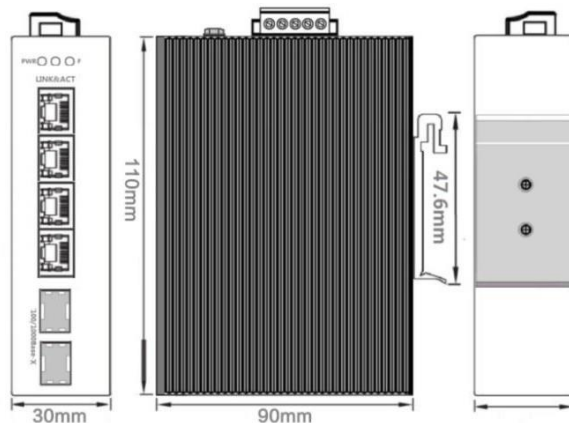
### Din-Rail

### Earth Protection

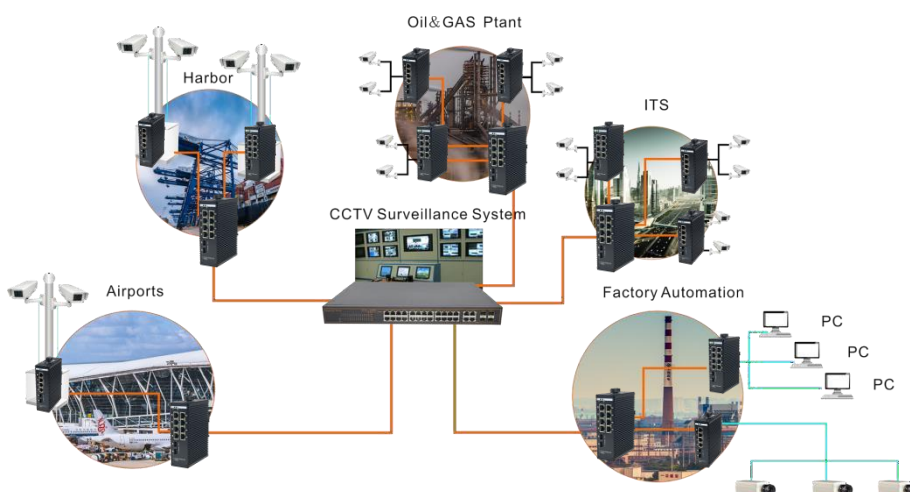


Ground screw

## Mechanical Drawing



## Applications



### Ordering Information

**AM-ISUG-4042GF-P**

4 Ports 10/100/1000Mbps Industrial Un-Managed PoE switch with 2 SFP Port