# AE CONNECT®
### DESIGNED FOR NETWORKING

## AE700-IPS4GE1GE1GF

### 4-Port 10/100/1000Mbps Industrial PoE Switch With 1 Gigabit RJ45 and SFP

**Ports:** Provide 4*10/100/1000Mbps PoE ports with 1*1000Mbps Ethernet and 1.25Gbps 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 industrial environment

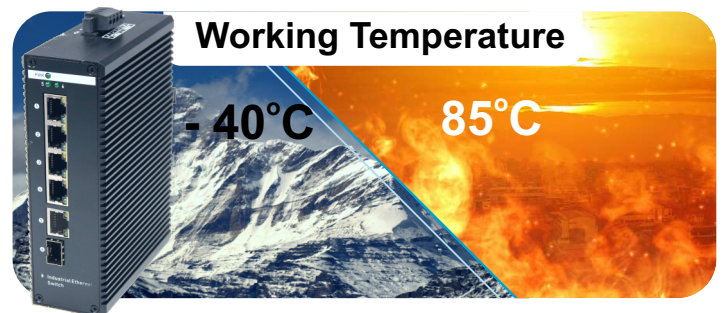**Surge protection:** Protect from lighting surges and electrical hazards

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

**Considerate Design:** IP40 Industrial enclosure

**Easy to use:** Plug and play, No configuration required

## 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 degrees C**, the AE700-IPS4GE1GE1GF can be placed in almost any difficult environment.

### Working Temperature
### - 40°C          85°C

## Dual Power input
## for High Availability Network

Featuring a strong dual power input system with wide-ranging voltages (48V~54V DC) incorporated into customer's automation network to enhance system reliability and uptime which make the installation more flexible and convenient.

## Surge Protection Design

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

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**DATASHEET**

**AE700-IPS4GE1GE1GF**

**4-Port 10/100/1000Mbps Industrial PoE Switch
With 1 Gigabit RJ45 and SFP**

## TECHNICAL DATASHEET

| | |
|---|---|
| Model | AE700-IPS4GE1GE1GF |
| Hardware Specifications | |
| Ports | 5*10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports<br>1*1.25Gbps SFP Slot |
| Connector | Removable 4-pin terminal block<br>Pin 1/2 for Power 1; Pin 3/4 for Power 2 |
| LED Display | Power Indicator: PWR(green).Network Indicator: Link(yellow) SFP: Green |
| Power Requirements | 48V~54V DC |
| Power Consumption | Less than 5 Watts |
| Power Connector | Removable 4-pin terminal block,Pin 1/2 for Power 1; Pin 3/4 for Power 2 |
| Installation | DIN-rail kit and wall-mount kit |
| Switch Performance | Backplane bandwidth        20Gbps<br>Packet forwarding rate      8.93Mpps<br>MAC address                4k<br>Flow control    Back pressure for half duple. IEEE 802.3x pause frame for full duplex |
| Enclosure | Ip40 Metal case |
| ESD Protection | 6KV ESD |
| Dimension(W x D x H) | 30mm*95mm *125mm |
| Weight | 0.95Kg |

## POWER OVER ETHERNET (POE) SPECIFICATIONS

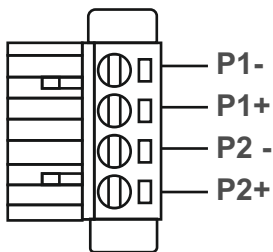| | |
|---|---|
| Network standard | IEEE802.3i 10 BASE-T<br>IEEE802.3u 100 BASE-TX<br>IEEE802.3ab 1000BASE-T<br>IEEE802.3x Flow Control<br>IEEE802.3af Power over Ethernet<br>IEEE802.3at Power over Ethernet<br>IEEE802.3az EEE |
| PoE Standard | IEEE 802.3af Power over Ethernet/PSE<br>IEEE 802.3at Power 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)<br>Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at) |
| PoE Power budget | 65/120W Optional |

# AE700-IPS4GE1GE1GF

## 4-Port 10/100/1000Mbps Industrial PoE Switch With 1 Gigabit RJ45 and SFP

## ENVIRONMENT

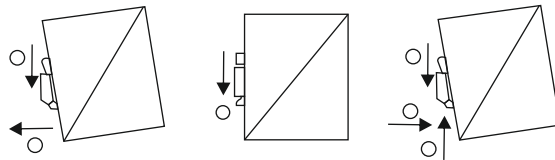| Environment specification | AE700-IPS4GE1GE1GF |
|---|---|
| Environment specification | Operating temperature: -40℃~85℃，operating humidity: 5％~95％ <br> Storage temperature: -40℃~85℃，storage humidity: 5％~95％ |
| Warranty | 5 Years |

## Installation Models

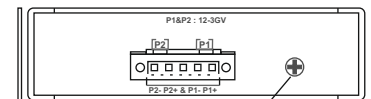**Power Terminal**



- P1-
- P1+
- P2 -
- P2+

- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 48V-54V DC wide voltage input
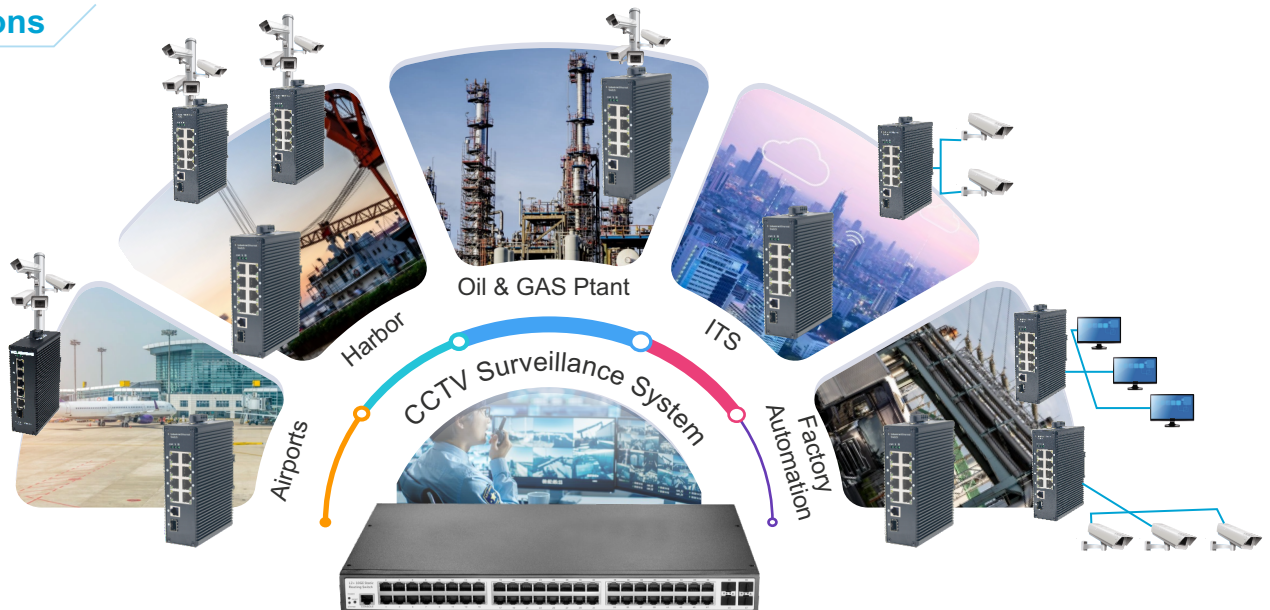- ◆ P1&P2 dual power input
- ◆ Reverse protection

**Din-Rail**



**Earth Protection**



Ground terminal or screw

## Applications



Oil & GAS Ptant

Harbor

ITS

CCTV Surveillance System

Airports

Factory Automation

## ORDERING INFORMATION

| AE700-IPS4GE1GE1GF | 4 Ports 10/100/1000Mbps Industrial PoE Switch With 1 Ethernet and 1 SFP uplink, DIN rail supported, adaptor excluded. |
|---|---|

www.aeconnect.co.in