

## Type: **SAE-IPE460F-MDGF1**

### Technical Specification of SAE-IPE460F-MDGF1

#### 6 port 10/100 POE switch and two fiber SC port

##### Industrial PoE Switch



- Industrial design, 6x 10/100M Ethernet RJ45 ports with AutoUplink™ , 2 gigabit SC fiber interfaces
- Port 1-4 support PoE. Max Single PoE Port Power Output: 30W
- Power ports supports both IEEE802.3af and IEEE802.3at standard PoE power supply
- Support IEEE802.3x flow control for Full-duplex Mode and back pressure for Half-duplex Mode
- RJ-45 port supports Auto MDI/MDI-X
- Automatic MAC address learning and aging
- Auto-Negotiation for Full-duplex Mode and Half-duplex Mode
- LED indicators for monitoring power/link/activity and Full-duplex or Half-duplex Mode
- Provide DIN35 rail-type installation method
- Electromagnetic compatibility of up to 4 grade standard
- IP40 protection class
- Superior performance, successfully used in industrial field
- Default PoE power supply type is end-span, mid-span optional

##### Product Description

This **SAE-IPE460F-MDGF1** Industrial Gigabit smart PoE switch prepare a field that power and data can be feed from a single point, using Power over Ethernet (PoE) over a single cable. One Six Gigabit Ethernet ports ,all ports can supply industry-standard IEEE 802.3af/IEEE 802.3at power for every POE standard devices. It provides the ideal combination of affordability and



capabilities for entry level networking of industrial, enterprise application which demands industrial, surveillance, IP Phone, IP Camera or Wireless applications, thus helps you create a more efficient workforce.

Regards to using advanced auto-sensing algorithm the **SAE-IPE460F-MDGFI** gives power only to IEEE802.3af/IEEE 802.3at front-end devices, so don't worry about connecting PoE or non-PoE devices to this feeder. Additionally, this good gives up the power when PoE devices are disconnected. Intelligently, this PoE **SAE-IPE460F-MDGFI** can recognize automatically PoE demands of devices, speed, duplex, and cable type using Auto Uplink™.

**SAE-IPE460F-MDGFI** is made with high quality of rigorous screened components, which have superior performance in stability, environmental adaptability. It can work normally in very cold environment to very hot from -40°C to +75 °C. The product is planned in a way to have better resistance against corrosion and electromagnetic interference. Power input also made a suitable and reliable types of power, to get more powerful suitability to environment.

#### Applications

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- Smart Monitoring of IP Camera in CCTV monitoring
- Industrial fields and manufactures
- Digital Radio in transmission systems
- IP telephony in telecom systems
- Intelligent transportation supervisory system (ITS)



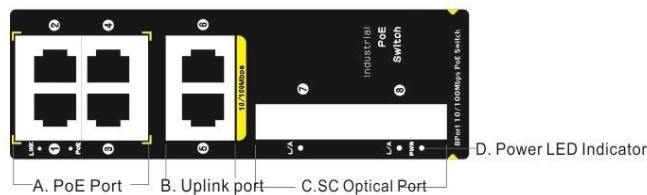
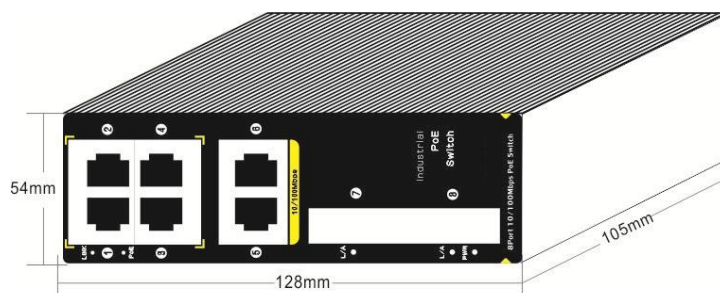
- Intelligent network Tele-Communication System
- Security protection system, TV medical treatment
- Short-distance Multi-media Schooling, Campus monitoring
- Broadcast television transmission system
- Wireless AP layout transmission and power supply

Technical specification

Product name	SAE-IPE460F-MDGFI
Product code	I462
<b>Interface</b>	
Ports	6x 10/100Base-T ports + 2 x SC Fiber Interfaces
<b>PoE Specification</b>	
PoE Standard	Supports both IEEE802.3af and IEEE802.3at
Single PoE Port Power Output	Max. 15.4 watts (IEEE 802.3af) Max. 30 watts (IEEE 802.3at)
4 PoE ports	auto detect AF/AT devices
PoE Port Output Voltage	DC48-57V
Power Pin Assignment	1/2+;3/6-
<b>Switch Processing Scheme</b>	
Store-and-Forward	
<b>Optical Interface</b>	
SFP slot	
<b>Optical Transmission Distance</b>	
1000m, depends on optical module you used	
<b>Performance Specification</b>	
Bandwidth	10Gbps
Packet Buffer Memory	1M
Packet Forwarding Rate	14.88Mbps/port
Address Table	1K
MTBF	300,000 hours
<b>Standards Compliance</b>	
IEEE802.3: CSMA/CD;	IEEE802.3i: 10Base-T;
IEEE802.3u: 100Base-T;	IEEE802.3ab: 1000Base-T;
IEEE802.3z: 1000Base-LX	
<b>LED Indicators</b>	

Power	PWR
Link	PoE, L/A
<b>Power</b>	
Adapter note	Removable industrial 3-pin terminal block (Power adapter is not included in the package, need to order it separately)
<b>Product Size</b>	
WxDxH	128x105x54mm
<b>Environmental Aspects</b>	
Working Temperature	-40~75°C
Storage Temperature	-40~75°C
Working Humidity	5%~95%(non-condensing)
Storage Humidity	5%~95%(non-condensing)
Working high	Altitude of 3000 m(10,000ft)
Storage high	Altitude of 3000 m(10,000ft)
<b>Radiation</b>	
CE mark, commercial	FCC Part 15 Class B
VCCI Class B	EN 55022 (CISPR 22), Class B
<b>Safety</b>	
CE Mark, commercial	CE/LVD EN60950

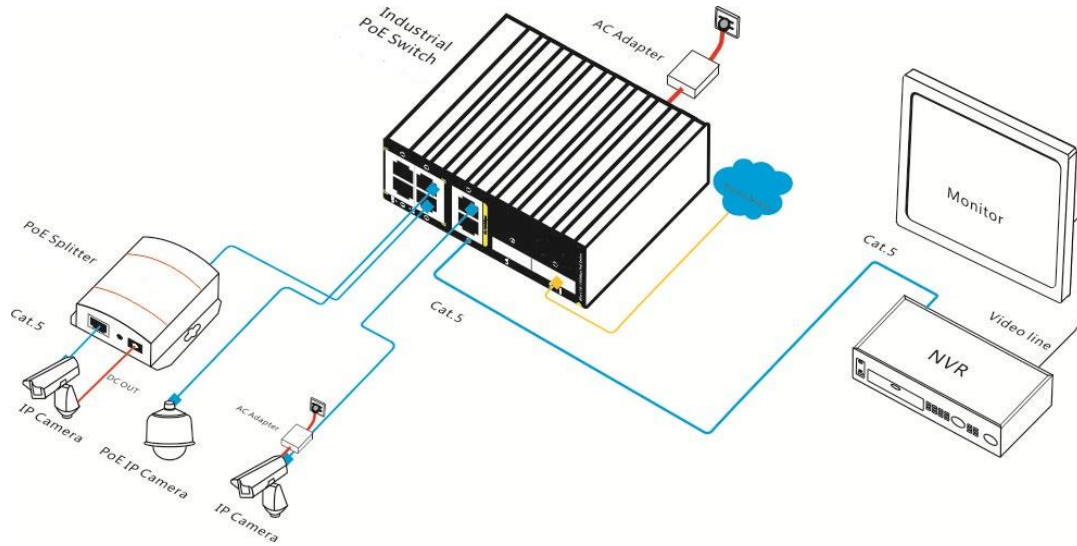
**Product Size Display**



A. 4x 10/100, POE Ports    C. 2x 10/100M SC Optical Ports  
 B. 2x 10/100M Uplink Ports    D. Power LED Indicator



Product Application Display



Technical Specification of:

# SAE-IPE460F-MDGF1