



## Industrial 10/100M Switch

### AK-S1900 Series

#### General Description

AK-S1900 is a kind of industrial fast ethernet switch, it supports three 10/100M RJ45 ports and two 100Base-FX SFP ports. It supports ring network, supports PSE function. it also support CE, FCC standard, AK-IC100SFP adopt industry standard design, IP30 protection, rugged high-strength metal case, power supply input(DC24~48V), -40 to 85 °C working temperature.

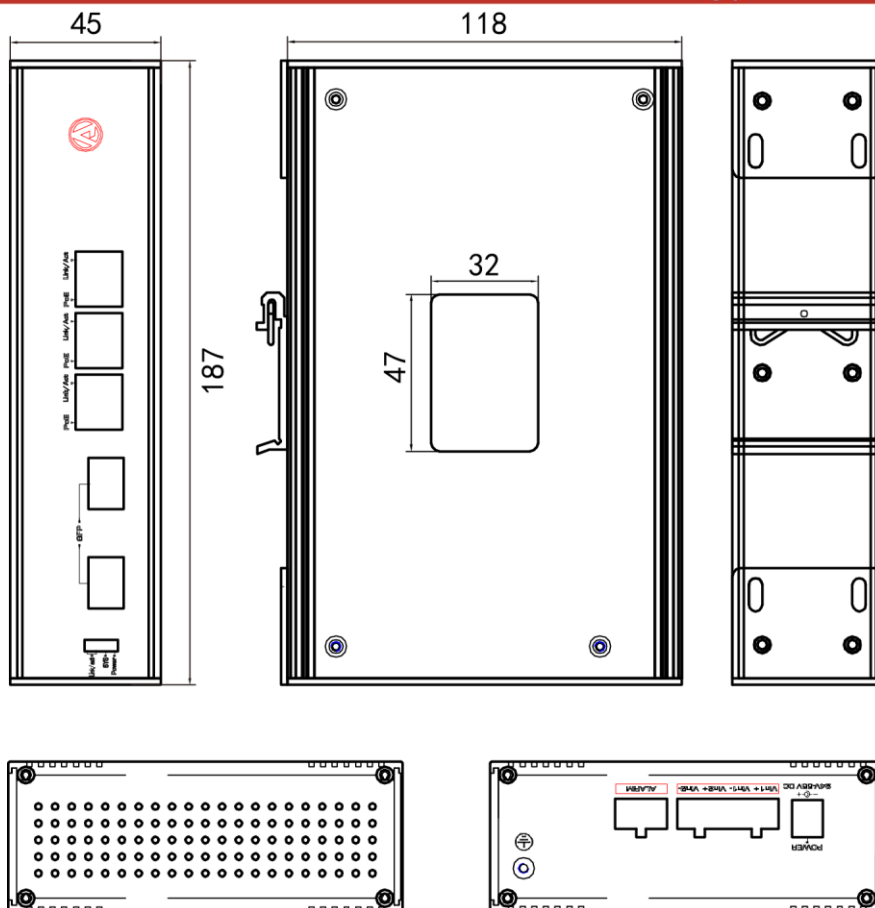
#### Outline



#### Key Features

- ☑ Three 10/100M RJ45 ports and two 100Base-FX SFP ports;
- ☑ IEEE802.3/802.3u/802.3x, store and forward;
- ☑ Supports 2048 Bytes frame;
- ☑ Supports IEEE802.3af POE PSE, providing power for PD equipments via RJ45 interface;
- ☑ Output voltage 48V, output current max.0.35A, output power max.15.4W;
- ☑ Support ring network(recovery time <20ms at full load);
- ☑ 10/100M, F/H duplex, MDI/MDI-X auto negotiation;
- ☑ DC24 ~ 48V wide temperature power input, Support reverse connection protection;
- ☑ Designed for industrial applications. IP30 protection, rugged high-strength metal case;
- ☑ DIN Rail installation.

#### Connection Diagram



## Technical Parameter

<b>Protocol</b>	IEEE802.3 , IEEE802.3u , IEEE802.3x, Flow control: IEEE 802.3x flow control, back pressure flow control
<b>Connector</b>	<b>RJ45 ports:</b> three 10/100M auto negotiation, F/H duplex work mode, and support MDI/MDI-X connection; <b>Fiber Ports:</b> two 100Base-FX SFP ports.
<b>Exchange attribute</b>	100M forward speed: 148810pps; Transmission: store and forward; System exchange bandwidth:400M; Supports 2048 Byte frame; Memory: 64Kbits; Support 2K MAC Address.
<b>Power supply</b>	Input Voltage: 24VDC (24~48VDC); Terminal block: 3 bits 7.62mm terminal block; Un-load power consumption: 1.2W 24VDC; Full-load power consumption: 1.368W 24VDC; Support reverse connection protection.
<b>Mechanical</b>	Dimensions: 95mm×35mm×110mm (W×D×H) Casing: IP30 protection, Metal case Installation: DIN Rail; Weight: 340g
<b>Environmental</b>	Operating Temperature: -40 to 75 ℃ Storage Temperature: -45 to 85 ℃ Ambient Relative Humidity: 10% to 95% (non-condensing)
<b>Approvals</b>	EMI: FCC Part 15, CISPR (EN55022) class A EMS: EN61000-4-2(ESD), level 4



	EN61000-4-3(RS), level 3 EN61000-4-4(EFT), level 4 EN61000-4-5 (Surge), level 4 EN61000-4-6 (CS), level 3 EN61000-4-8(PFM), level 5 Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
<b>Certification</b>	CE、FCC、RoHS

## Ordering Information

Product	Description
AK-S1923	Three 10/100M RJ45 ports, two 100Base-FX SFP ports, DC24~48V, support ring network.
AK-S1925	Three 10/100M RJ45 ports, two 100Base-FX SFP ports, DC12~48V, support ring network, support IEEE802.3af PSE function.