



## Industrial Gigabit Switch

### AK-S1600 Series

#### General Description

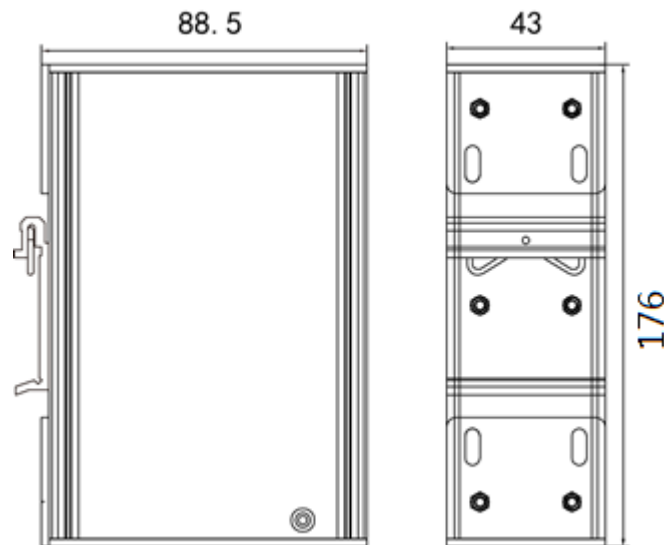
AK-S1600 series is a kind of industrial gigabit fiber switch, it supports two or four 10/100/1000Base-T ports and one 1000Base-X SFP port. It supports up to 10K Byte Jumbo frames. It is easy to check the network connection status, it also support CE, FCC standard, AK-S1600 series adopt industry standard design, IP30 protection, rugged high-strength metal case, power supply input DC 24~48V, -40 to 85 °C working temperature.

#### Outline



#### Key Features

- ☑ IEEE802.3/802.3u/802.3x/802.3z/802.1p/802.1q/802.3az,store and forward;
- ☑ Support two or four 10/100/1000M ports and one 1000Base-X SFP port;
- ☑ Support telnet/web GUI/SNMP V1/V2C;
- ☑ Support IEEE 802.1Q tag-based VLAN, Port VLAN;
- ☑ Support Wall-Mount, DIN-Rail;
- ☑ DC 24~48V power input;
- ☑ IP30 protect grade, high strength iron shell, DIN Rail installation.


**Structure Diagram (Unit:mm)**

**Technical Parameter**

<b>Protocol</b>	<b>Standard:</b> IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z; <b>Flow control:</b> IEEE802.3x, back pressure control.
<b>Interface</b>	<b>Two or four ethernet ports:</b> 10/100/1000M auto negotiation; <b>One fiber port:</b> 1000Base-X SFP.
<b>Transmission</b>	<b>Twisted pair:</b> 100m (Standard CAT5/CAT5e cable) <b>Multi mode fiber or Single mode fiber:</b> depends on the optical module transmission performance
<b>Exchange of attribute</b>	<b>100M forward speed:</b> 148810pps; <b>1000M forward speed:</b> 1488100pps; <b>Transmission:</b> Store and forward; <b>Memory:</b> 1Mbits; <b>MAC address:</b> 1K
<b>Power supply</b>	<b>Power input:</b> 24VDC(24~48VDC) <b>Terminal block:</b> 3 bits 7.62mm terminal block <b>No-load power consumption:</b> 1.512W 24VDC <b>Full-load power consumption:</b> 3.600W 24VDC Support reverse connection protection
<b>Mechanical</b>	<b>Shell:</b> IP30, high strength iron shell; <b>Installation:</b> DIN Rail; <b>Weight:</b> 520g <b>Dimension (W×D×H) :</b> 43mm×88.5mm×176mm
<b>Environmental</b>	<b>Operating Temperature:</b> -40 to 85 ℃ <b>Storage Temperature:</b> -45 ℃ to 85 ℃ <b>Ambient Relative Humidity:</b> 10 to 95% (non-condensing)
<b>Standard</b>	<b>EMI:</b> FCC Part 15, CISPR (EN55022) class A <b>EMS:</b> EN61000-4-2 (ESD), Level 1 EN61000-4-4 (EFT), Level 4



	EN61000-4-5 (Surge), Level 3 <b>Shell:</b> IEC 60068-2-27
<b>Certification</b>	CE, FCC, RoHS, PAL

## Ordering Information

Product	Description
AK-S1612	With two 10/100/1000M ports and one 1000Base-X SFP ports,supports 9K Bytes Jumbo frame; supports DC 24-48V input.
AK-S1613	With two 10/100/1000M ports and one 1000Base-X SFP ports,supports 9K Bytes Jumbo frame; supports DC 24-48V input. Supports Web/SNMP/Telnet management.
AK-S1614	With four 10/100/1000M ports and one 1000Base-X SFP ports,supports 9K Bytes Jumbo frame; supports DC 24-48V input.
AK-S1615	With four 10/100/1000M ports and one 1000Base-X SFP ports,supports 9K Bytes Jumbo frame; supports DC 24-48V input. Supports Web/SNMP/Telnet management.