USR-ISG series Switch Specifications

5/8/16-Port Unmanaged Industrial Switch

Build a Smarter IOT world, Your Trustworthy Partner

The USR-ISG Series Switch is designed to meet power, size, weight and environmental endurance requirements for industrial applications. Built with rugged metal housing and protective coating, the ISG series Din Rail type industrial Ethernet switch is compression and corrosion resistant. It features fan-less cooling and IP40 protection rating, dust and dirt proof, enterprise-level wire-speed forwarding performance and works in a wide temperature range of -40℃~+85℃. Its EMC reaches level 3. It is equipped with industrial-grade redundant DC power supply and a wide range of voltage input. USR-ISG Series Layer 2 unmanaged industrial Ethernet switch consists of ISG005,ISG008,ISG008P,ISG 016 gigabit models. Plug and play to meet the needs of harsh industrial environments. Basically meet the needs of electric power, transportation, industrial control and other different industrial sites.

Features

- Supports 12-52V wide voltage input, with reverse polarity protection,Overload Protection.

- 10/100/1000M Base-T(X) Adaptive Port Support Full/Half Duplex, MDI/MDIX Auto Connection

- Compliant with EMC industry level 3 standards

- -40℃ ~85℃ Operating Temperature

- MTBF is over 300000 hours

- Strong metal cabinet with corrosion-proof coating

- Redundant power and wide voltage input ensure stable communications in severe environments

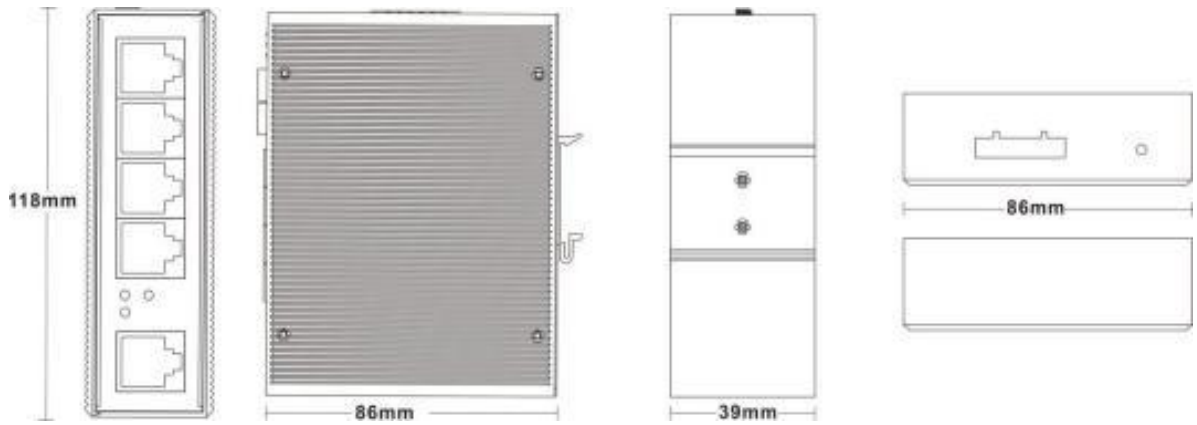- Plug and play, enables fast deployment
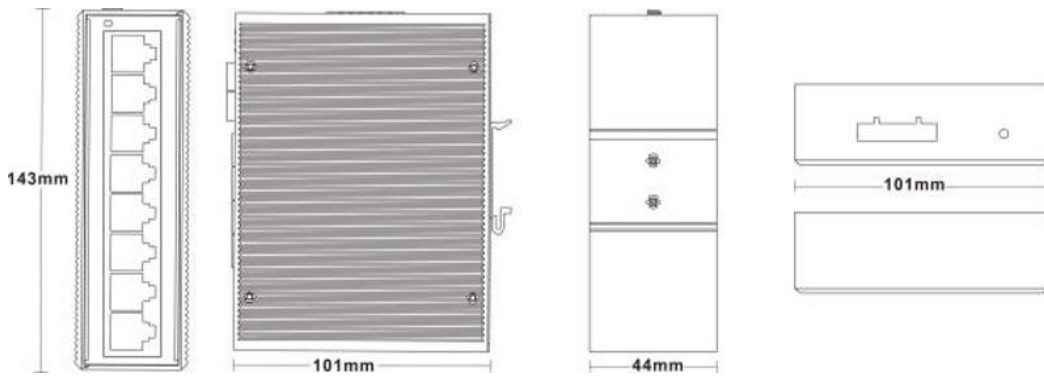
Dimensions(mm)

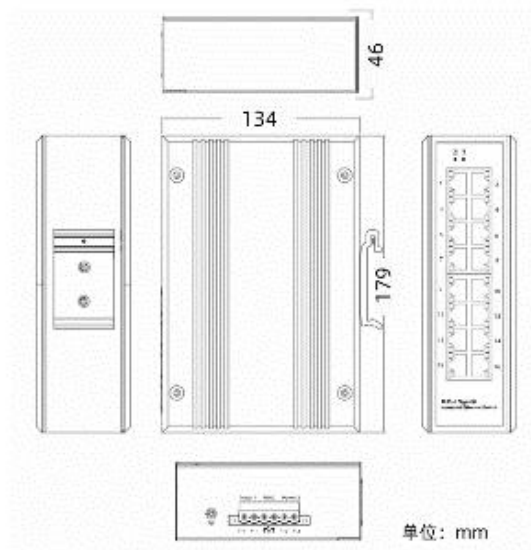Fig. 1   USR-ISG005

Fig. 2   USR-ISG008/008P

Fig. 3   USR-ISG016

Specifications

Model	USR-ISG005	USR-ISG008	USR-ISG008P	USR-ISG016
Port numbers	5	8	8	16
Protocol Standard	IEEE 802.3 for 10Base-T IEEE 802.3i for 10Base-T IEEE 802.3u for 100Base-TX and 100BaseFX IEEE 802.3z for 1000Base-X IEEE 802.3ab for 1000Base-T IEEE 802.3x for Flow Control IEEE 802.3af for PoE IEEE 802.3at for PoE+			
Interface	Gigabit copper port: 10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/MDI-X Autotunning			
POE	/	/	The maximum power of PoE port: 30W(IEEE 802.3at) 15.4W(IEEE 802.3af) The power supply pin of PoE: V+, V+, V-, V- correspond to Pin 1, 2, 3, 6	/
MAC address table	1K			8K
Backplane bandwidth	10Gbps	20Gbps		56Gbps
Switch Latency	<5 µs			<10 µs
Forwarding Rate	7.4Mpps	11.9Mpps		23.80Mpps
Packet Cache	512Kb			4Mb
Transfer Distance	Twisted cable: 80M (standard CAT5e/CAT6 cable)			
Power supply	DC12-52V	DC12-52V	DC48-57V(POE)	DC12-52V
Interface Terminal	6-pin pluggable screw terminal block			
Power Consumption	<3W	<3W	<3W(disable POE)	<15W
Dimension	130x95x33.5mm	156x113x48mm	156x113x48mm	191x144x46mm
Weight	0.35kg	0.55kg	0.55kg	0.9kg
Installation	Standard 35mm DIN-rail Mounting			
Shell	IP40 protection, metal			
Operating temperature	-40℃~85℃			
Storage temperature	-40℃~85℃			

Ambient humidity	5% ~ 95% (no condensation)
MTBF	300000 hours
Warranty	5 Years
Certification	CE, FCC, RoHS

Ordering Guide

Model	Ethernet Port
USR-ISG005	5 * 10/100/1000 Base-T(X) adaptive RJ45 ports
USR-ISG008	8 * 10/100/1000 Base-T(X) adaptive RJ45 ports
USR-ISG008P	8 * 10/100/1000 Base-T(X) adaptive RJ45 PoE ports
USR-ISG016	16 * 10/100/1000 Base-T(X) adaptive RJ45 ports

Purchase & Support

For more information please visit our websites:

- Official website： https://pusr.com

- Official shop： https://shop.usriot.com

- Technical support： http://h.usriot.com/