

Industry Unmanaged Industrial Switch

Product Introduction

Security Industry DIN-Rail Unmanaged Industrial Switches can at most support 4 100/1000BaseX SFP ports + 8 10/100/1000BaseT ports, which are specially designed for harsh industrial environments, providing economic solutions for industrial Ethernet connections. The working temperature of these switches is -40°C~ +85°C.

Security Industry DIN-Rail Unmanaged Industrial Switches adopt redundant dual power inputs, 9.6~60VDC and 18~30VAC, DIN-Rail mounted. With rugged aluminum alloy housing, IP40 protection class, these switches passed the high level tests of EMI/EMC. And all the models have gone through strict aging test, meeting the requirements of security industry.

Features and Benefits

- Multiple port options
- Backplane bandwidth can be up to 52Gbps
- Wide and varied power supply range
- Non-rust aluminum alloy housing and torx screws
- All ports support wire-speed forwarding and automatic turnover, supporting long-distance transmission
- Lightning protection: power supply $\pm 4KV$, RJ45 port $\pm 4KV$
- IP40 protection class
- Small and easy to install, plug and play without configuring
- Fanless design, wide working temperature and quiet operation
- MTBF $\geq 300,000h$

Switch Properties

Backplane Bandwidth:	52Gbps (12 ports, 4 100/1000BaseX SFP + 8 10/100/1000BaseT ports)
Switch Architecture:	Store-Forward
MAC Table Size:	8K
Buffer Size:	4.1Mbit
Exchange Rate:	148,800 pps/100M port; 1,488,000 pps/1000M port

Power Parameters

Connection:	5-PIN terminal block
Input Voltage:	9.6 ~ 60VDC & 18 ~ 30VAC, dual inputs
Overload Current Protection:	Supported
Reverse Polarity Protection	Supported

Physical Performance

Installation:	DIN-Rail Mounted
Housing:	Aluminum Alloy Housing
Protection Class:	IP40
Dimensions (W x H x D)	50mm x 140mm x 110mm
Weight:	< 0.75kg

Mechanical Characteristics

Vibration:	IEC 60068-2-6
Shock:	IEC 60068-2-27
Free-fall:	IEC 60068-2-31
Circuit Board:	Approved by IPC

Environment Limits

Storage Temperature:	-40°C ~ +85°C
Operating Temperature:	-40°C ~ +85°C

Ambient Humidity:	Relative	5% ~ 95% (Non-condensing)
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Industrial Switch

Electromagnetic Characteristics

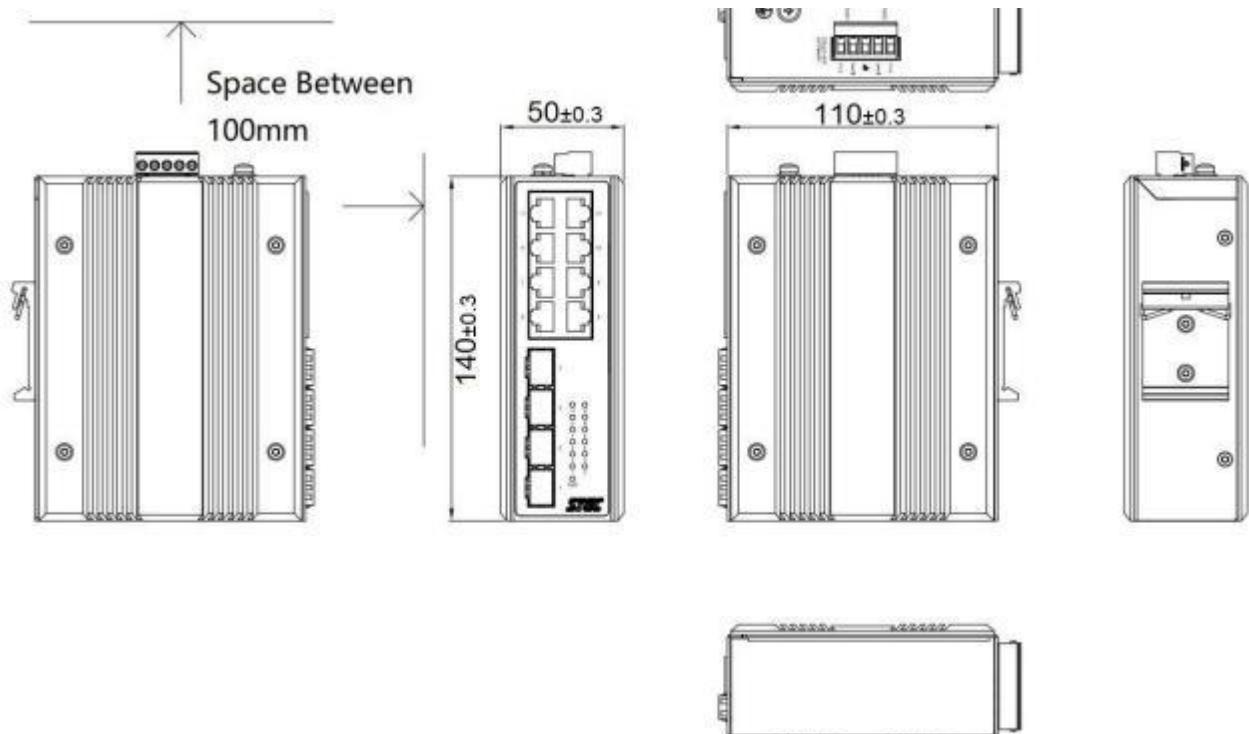
	FCC 47 CFR Part 15 Class A
EMI:	EN55032 Class A EN55035 Class A
	IEC(EN)61000-4-2, Class 4
	IEC(EN)61000-4-4, Class 4
EMC:	IEC(EN)61000-4-5, Class 4
	IEC(EN)61000-4-6, Class 3
	IEC(EN)61000-4-8, Class 5

Industrial Certification and Test

Product Safety:	EN 62368-1
EMC:	EN 55032 EN 55035 EN IEC61000-3-2 EN 61000-3-3 FCC Part 15 Subpart B Class A
Others:	Test Report from Ministry of Public Security, Network Access License, RoHS

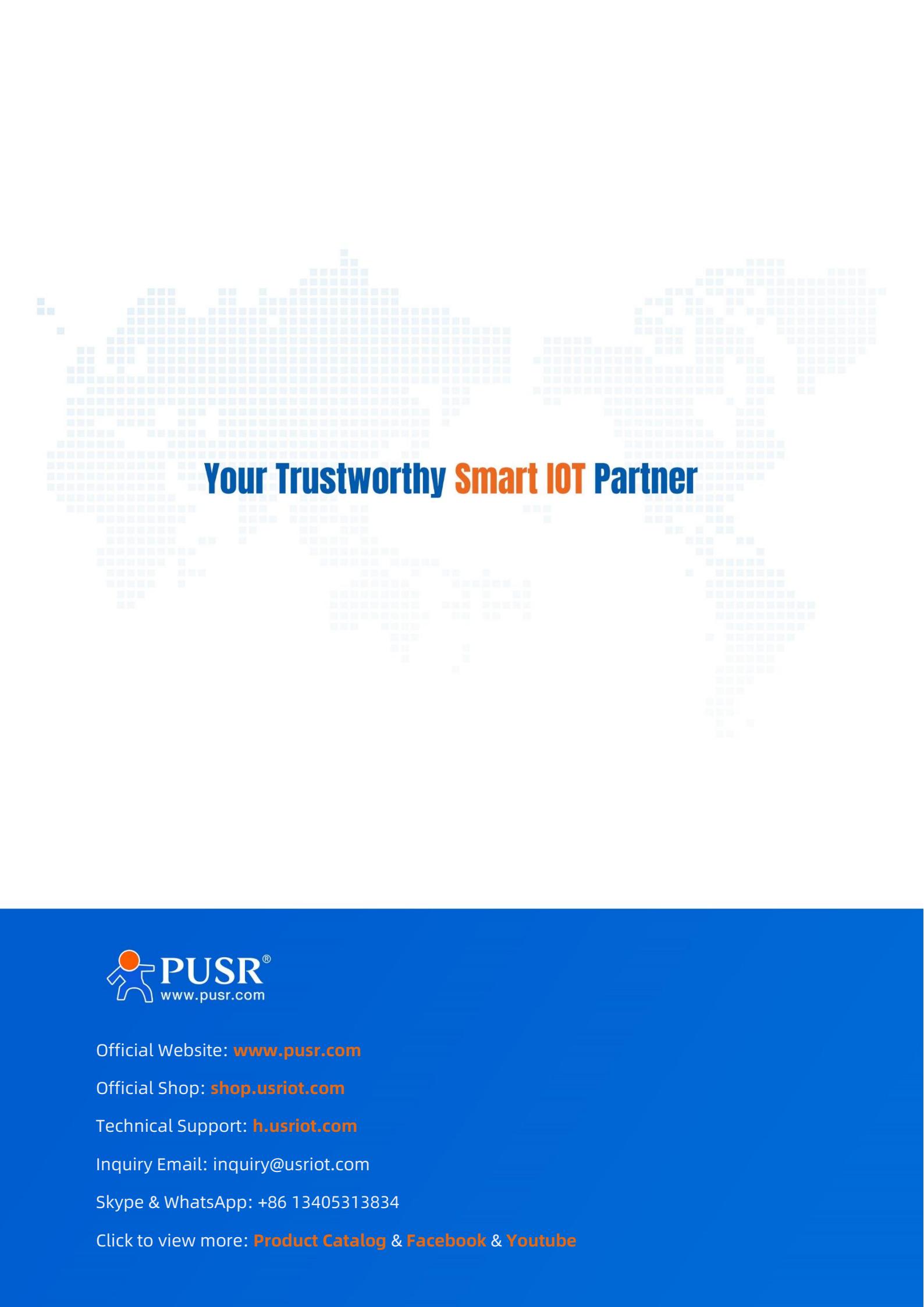
Dimensions

Unit: mm



Ordering Information

P/N	Description
USR-ISG1408-SFP	12-Port DIN-Rail Unmanaged Industrial Switch made from Anti-Corrosion aluminum alloy, support 4 100/1000BaseX SFP ports (SFP module not included) + 8 10/100/1000BaseT ports. DIN-Rail mounted. IP40 protection class. Operating temperature -40 °C ~ +85 °C. Dual redundant power inputs, 9.6~60VDC & 18~30VAC.



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