

# USR-ISG1208-SFP

## DIN-Rail Unmanaged Industrial Switch



### Introduction

USR-ISG1208-SFP can at most support 2 100/1000BaseX 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.

USR-ISG1208-SFP 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 20Gbps
- 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  $\geq 300,000h$

## Power Parameters

Backplane Bandwidth:	20Gbps (10 ports, 2 100/1000BaseX SFP + 8 10/100/1000BaseT ports)
Switch Architecture:	Store-Forward
MAC Table Size:	4K
Buffer Size:	1.5Mbit
Exchange Rate:	1,488,000 pps/1000M port

## Power

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×H×D)	=50mm × 140mm × 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

## Work Temp

Storage Temperature:	-40°C ~ +85°C
Operating Temperature:	-40°C ~ +85°C
Ambient	Relative
Humidity:	5% ~ 95% (Non-condensing)

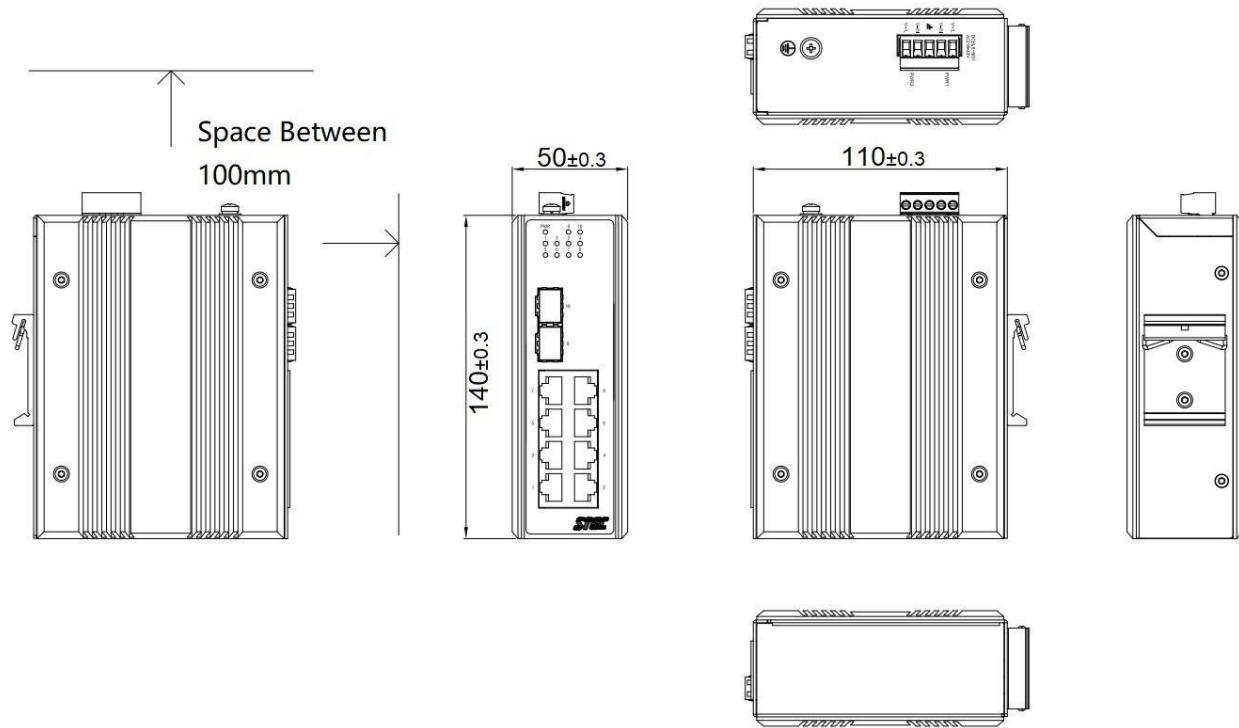
## Electromagnetic Characteristics

	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:	RoHS

## Size



P/N	Description
USR-ISG1208-SFP	10-Port DIN-Rail Unmanaged Industrial Switch made from Anti-Corrosion aluminum alloy, support 2 100/1000BaseX 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.

## For More Information

Official Website: [www.pusr.com](http://www.pusr.com)

Official Shop: [shop.usriot.com](http://shop.usriot.com)

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