

G-A12R4080 DIN-Rail Unmanaged

Industrial Switch



G-A12R4080 DIN-Rail Unmanaged Industrial Switch supports 4 100/1000BaseX SFP ports + 8 10/100/1000BaseT ports, which is specially designed for harsh industrial environments, providing economic solutions for industrial Ethernet connections. The working temperature of the switch is $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$.

G-A12R4080 DIN-Rail Unmanaged Industrial Switch adopts redundant dual power inputs, 9.6~60VDC and 18~30VAC, DIN-Rail mounted. With rugged aluminum alloy housing, IP40 protection class, the switch passed the high level tests of EMI/EMC, and has gone through strict aging test, meeting the requirements of security industry.

Features and Benefits

- Multiple port options
- Backplane bandwidth 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 $\pm 4\text{KV}$, RJ45 port $\pm 4\text{KV}$
- IP40 protection class
- Small and easy to install, plug and play without configuring

- Fanless design, wide working temperature and quiet operation
- MTBF ≥ 300,000h

Switch Properties

Backplane Bandwidth:	52Gbps
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 Protection:	Current	Supported
Reverse Protection	Polarity	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-all:	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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Electromagnetic Characteristics

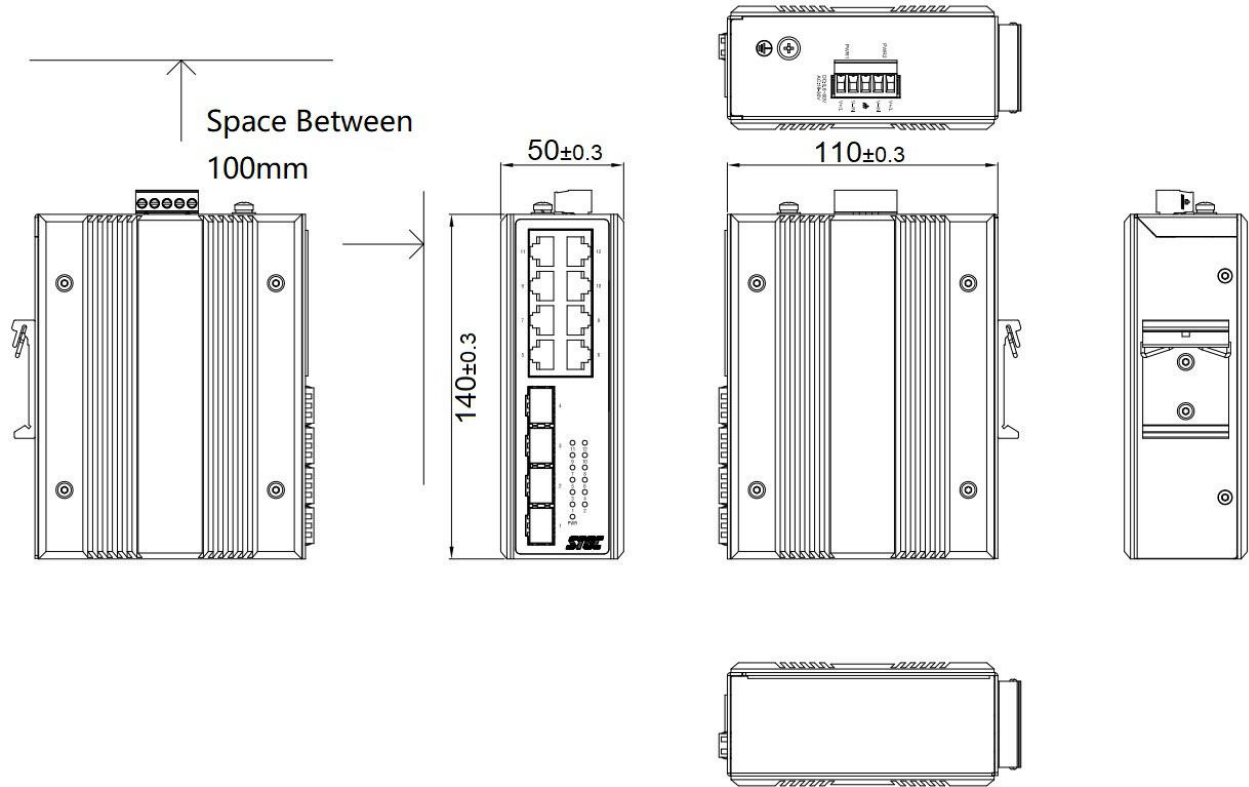
EMI:	FCC 47 CFR Part 15 Class A
	EN55032 Class A
	EN55035 Class A
EMC:	IEC(EN)61000-4-2, Class 4
	IEC(EN)61000-4-3, Class 3
	IEC(EN)61000-4-4, Class 4
	IEC(EN)61000-4-5, Class 4
	IEC(EN)61000-4-6, Class 3
	IEC(EN)61000-4-8, Class 5

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
G-A12R4080	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.