

# G-A6R2040 DIN-Rail Unmanaged Industrial Switch



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G-A6R2040 DIN-Rail Unmanaged Industrial Switch supports 2 100/1000BaseX SFP ports + 4 10/100/1000BaseT ports, which is specially designed for harsh industrial environments, providing economic solutions for industrial Ethernet connections. The working temperature of these switches is  $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$ .

G-A6R2040 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 14Gbps
- 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  $\geq 300,000\text{h}$

## Switch Properties

Backplane Bandwidth:	14Gbps
Switch Architecture:	Store-Forward
MAC Table Size:	2K
Buffer Size:	2Mbit
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 Polarity Protection:	Polarity	Supported

## Physical Performance

Installation:	DIN-Rail Mounted
Housing:	Aluminum Alloy Housing
Protection Class:	IP40
Dimensions (W×H×D)	50mm × 110mm × 105mm
Weight:	< 0.5kg

## 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)

## Electromagnetic Characteristics

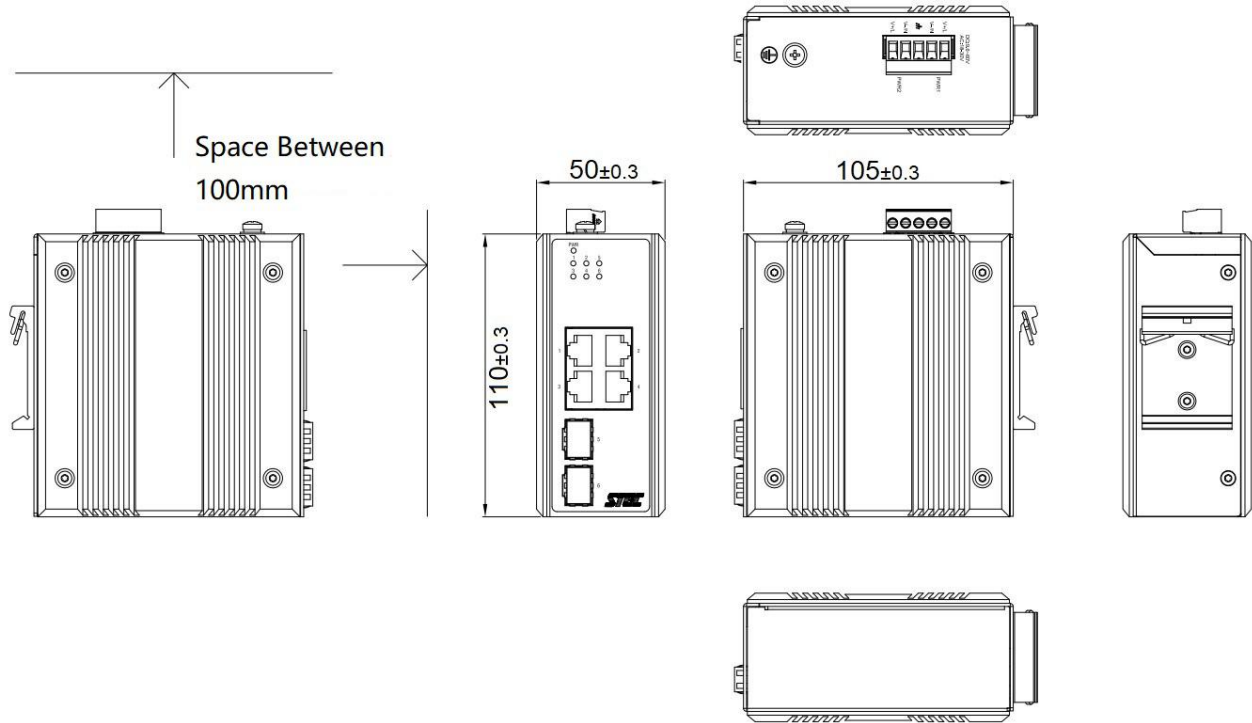
EMI:	FCC 47 CFR Part 15 Class A
	EN55032 Class A
	EN55035 Class A
EMC:	IEC(EN)61000-4-2, Class 4
	IEC(EN)61000-4-3, Class 3
	IEC(EN)61000-4-4, Class 4
	IEC(EN)61000-4-5, Class 4
	IEC(EN)61000-4-6, Class 3
	IEC(EN)61000-4-8, Class 5

## 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-A6R2040	6-Port DIN-Rail Unmanaged Industrial Switch made from Anti-Corrosion aluminum alloy, support 2 100/1000BaseX SFP ports (SFP module not included) + 4 10/100/1000BaseT ports. DIN-Rail mounted. IP40 protection class. Operating temperature $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ . Dual redundant power inputs, 9.6~60VDC & 18~30VAC.