



# IGS-S1082GP

**Industrial 10-port Lite-Managed Gigabit Ethernet Switch with 8x10/100/1000Base-T(X) and 2x100/1000Base-X, SFP socket**

## Features

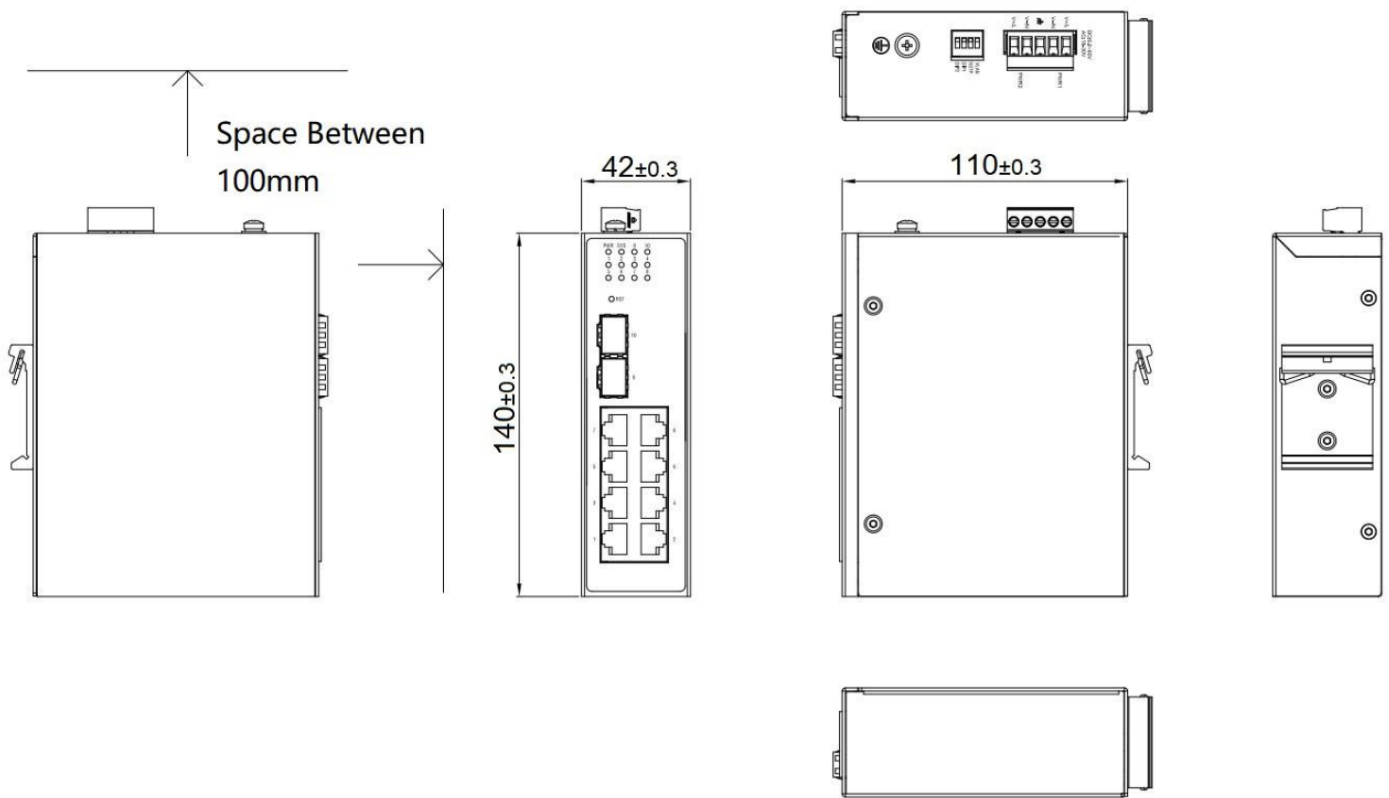
- Fastest Redundant Ethernet Ring : O-Ring (recovery time < 10ms over 250 units of connection)
- Support 8 ports 10/100/1000Base-T(X) ports
- Support 2 ports 100/1000Base-X SFP socket
- Support IEEE 802.3az Energy-Efficient Ethernet technology
- Support Quality of Service (QoS)
- Support Broadcast Storm Protection (BSP)
- Support 802.1Q VLAN
- Provide Web/DIP-Switch function to set configuration
- DIN-rail mounting installation



## Introduction

The IGS-S1082GP is a Lite-managed Ethernet Switch featuring 8x10/100/1000Base-T(X) ports alongside 2x100/1000Base-X SFP ports. Designed for harsh environments, it boasts an extended operating temperature range from -40°C to 75°C, making it an ideal economic solution for industrial Ethernet switches. Featuring redundant dual power inputs of 48~54VDC and DIN-Rail mounting, the IGS-S1082GP offers robust functionality. The switches boast a rugged aluminum alloy housing and IP40 protection class, ensuring durability and resilience. Having successfully passed high-level EMI/EMC tests, they emerge as standout choices for rolling stock and Ethernet applications, offering unmatched reliability.

## Dimensions



## Specifications

ORing Switch Model	IGS-S1082GP
<b>Physical Ports</b>	
10/100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX	8
100/1000Base-X with SFP port	2
<b>Technology</b>	
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow control IEEE 802.3az Energy-Efficient Ethernet IEEE 802.3ad for LACP (Link Aggregation Control Protocol) IEEE 802.1Q for VLAN Tagging
MAC Table	4K
Priority Queues	4
Processing	Store-and-Forward
Jumbo Frame	16K Bytes
Switch Properties	Switching latency: 2 μs Switching bandwidth: 20Gbps Max. Number of Available VLANs: 4094 VLAN ID Range: VID 1 to 4094

	IGMP multicast groups: 128 for each VLAN Port rate limiting: User Define
Security Features	Enable/disable ports VLAN (802.1Q) to segregate and secure network traffic
Software Features	Redundant Ring (O-Ring) with recovery time less than 30ms over 250 units Quality of Service (802.1p) for real-time traffic Port configuration, status, statistics, monitoring, security DHCP Client Port Trunk Loop prevention Port mirroring Storm Control Cable Diagnostic
Network Redundancy	O-Ring slave mode
LED indicators	
Power Indicator (P1/P2)	Green: Power LED
10/100/1000Base-T(X) RJ45 Port Indicator	Port 1~8 LED : Green for port Link/Act
100/1000Base-X SFP Port Indicator	Port 9, 10 : Green for port Link/Act
Power	
Redundant Input power	Dual 48~54VDC
Power consumption (Typ.)	5 Watts
Overload current protection	Present
Physical Characteristic	
Enclosure	IP-40 Metal
Dimension (W x D x H)	42 (W) x 110 (D) x 140 (H) mm
Weight	526 g
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 75°C (-40 to 167°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMC	CE EMC (EN 55035, EN 55032), FCC Part 15 B
Shock	IEC60068-2-27
Free Fall	IEC60068-2-31
Vibration	IEC60068-2-6
Safety	EN 62368-1 (LVD)
Warranty	5 years

## Ordering Information

IGS-S10**A****B****CC**

Code Definition	10/100/1000Base-T (X) Port Number	Additional Port Number	Additional Port Type
<b>Option</b>	- <b>8</b> : 8 ports	- <b>2</b> : 2 port	- <b>GP</b> : Gigabit SFP ports

Available Model	Model Name	Description
	IGPS-S1082GP	Industrial 10-port Lite-Managed Gigabit Ethernet Switch with 8x10/100/1000Base-T(X) and 2x100/1000Base-X, SFP socket
<b>Packing List</b>		<b>Optional Accessories</b>
<ul style="list-style-type: none"> <li>IGS-S1082GP x 1</li> <li>DIN-Rail Kit x 1</li> <li>Quick Installation Guide x 1</li> </ul>		<ul style="list-style-type: none"> <li>DR/SDR/DRP Series DIN-Rail power supply</li> <li>SFP100 series: 100Mbps SFP Optical transceiver</li> <li>SFP 1G series: 1Gbps SFP Optical transceiver</li> </ul>