IGS-C3042GP

6 port Industrial Gigabit Managed Ethernet Switch

Features

- Supports **O-Ring** (recovery time < 30ms over 250 units of connection), MSTP/RSTP/STP (IEEE 802.1s/w/D) for Ethernet Redundancy
- **Open-Ring** support the other vendor's ring technology in open architecture
- **O-Chain** allow multiple redundant network rings
- Supports IPV6 new internet protocol version
- Support Modbus TCP protocol
- Support IEEE 802.3az **Energy-Efficient Ethernet** technology
- Provided HTTPS/SSH protocol to enhance network security
- Supports SSH/Https security function
- IGMP v2/v3 (IGMP snooping support) for filtering multicast traffic
- Supports SNMP v1/v2c/v3, RMON and 802.1Q VLAN Network Management
- Support ACL, TACACS+ and 802.1x User Authentication for security
- Multiple notification for warning of unexpected event
- Windows utility (**Open-Vision**) support centralized management and configurable by Web-based interface, Telnet and Console (CLI)
- Support LLDP Protocol

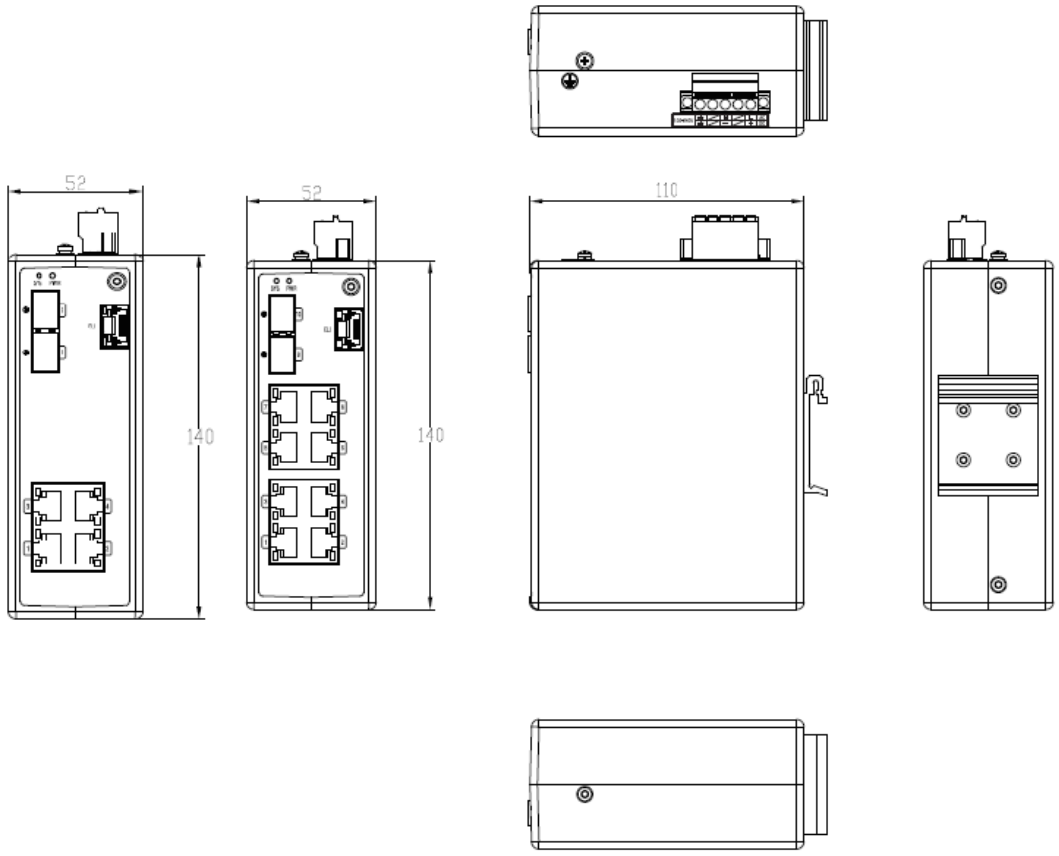


Introduction

IGS-C3042GP Series are managed redundant ring Ethernet switch with up to 8x10/100/1000 Base-T(X) ports and 2x100/1G/2.5G Base-X, SFP socket which is specifically designed for the toughest. IGS-C3042GP Series support wide operating temperature from -40℃ to 75℃ which can fulfill most of the requirement of operation environment. Therefore, the IGS-C3042GP Series switch is one of the most reliable choices for highly-managed Ethernet application.

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Dimensions



Specifications

ORing Switch Model	IGS-C3042GP	IGS-C3082GP
Physical Ports		
10/100/1000Base-T(X) Ports Auto MDI/MDIX	**4**	**8**
100/1G/2.5GBase-X, SFP socket	**2**	
Technology		
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow control IEEE 802.3ad for LACP (Link Aggregation Control Protocol) IEEE 802.1D for STP (Spanning Tree Protocol) IEEE 802.1p for COS (Class of Service) IEEE 802.1Q for VLAN Tagging IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol) IEEE 802.1x for Authentication IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)	
MAC Table	8k	
Priority Queues	8	
Processing	Store-and-Forward	

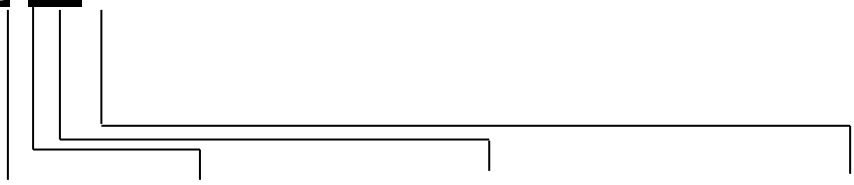
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Switch Properties	Switching latency: 7 us Switching bandwidth: 18Gbps Max. Number of Available VLANs: 4096 IGMP multicast groups: 128 for each VLAN Port rate limiting: User Define	
Jumbo frame	Up to 9.6K Bytes	
Security Features	Dynamic ARP inspection Enable/disable ports, MAC based port security Port based network access control (802.1x) VLAN (802.1Q) to segregate and secure network traffic Radius centralized password management SNMPv3 encrypted authentication and access security Https / SSH enhance network security	
Software Features	STP/RSTP/MSTP (IEEE 802.1D/w/s) Redundant Ring (O-Ring) with recovery time less than 30ms over 250 units TOS/Diffserv supported Quality of Service (802.1p) for real-time traffic VLAN (802.1Q) with VLAN tagging IGMP Snooping IP-based bandwidth management Application-based QoS management DOS/DDOS auto prevention Port configuration, status, statistics, monitoring, security DHCP Server/Client/Relay SMTP Client	
Network Redundancy	O-Ring Open-Ring O-Chain MSTP (STP / RSTP compatible)	
Power		
Power Input	Dual 24~48 VDC on 5-pin terminal block	
Power Consumption (Typ.)	<10W	
Overload Current Protection	Present	
Physical Characteristic		
Enclosure	IP-40	IP-40
Dimension (W x D x H)	52 (W) x 110 (D) x 140 (H)mm	
Weight (g)	<700 g	
Environmental		
Storage Temperature	-40 to 85°C	
Operating Temperature	-40 to 75°C	
Operating Humidity	5% to 95% Non-condensing	
Regulatory approvals		
EMI	FCC Part 15, CISPR (EN55032) class A	
EMS	EN61000-4-2 (ESD) EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11	
Shock	IEC60068-2-27	
Free Fall	IEC60068-2-31	
Vibration	IEC60068-2-6	
MTBF	>400,000 Hours	
Warranty	5 years	

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Ordering Information

IGS-C3ABC-DD



Code Definition	10/100/1000Base-T(X) Port Number	Additional Port Number	Additional Port Type	Power
Option	**- 04:** 4ports **- 08:** 8ports	**- 2:** 2 port**s**	**- GP:**100/1000 Base-X ,SFP port	**-HV :** 100-240V AC/DC power inputs

	Model Name	Description
Available Model	**IGS-C3042GP**	Industrial 6-port managed Gigabit Ethernet switch with 4x10/100/1000Base-T(X) ports and 2x100/1G/2.5G Base-X SFP socket , dual 24-48VDC power inputs
	IGS-C3082GP	Industrial 10-port managed Gigabit Ethernet switch with 8x10/100/1000Base-T(X) ports and 2x100/1G/2.5G Base-X SFP socket , dual 24-48VDC power inputs

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