IS1206-2GX4GE Industrial Switch 2 SFP+4GE

Product Overview

The IS1206-2GX4GE is the unmanaged industrial grade Ethernet switch with 4-ports 10/100/1000Base-T RJ45 and 2-ports 1000Base-X fiber optical interfaces. It is featuring with port isolation, flow control, QoS(1-2 ports) and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

IS1206-2GX4GE is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with Din-rail installation, wide operation temperature from -40°C to 75°C as well as high-level EMI/EMC capability and so on. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications.

Features

- ✓ 4*10/100/1000Base-T RJ45 ports, 2*1000Base-X SFP fiber ports (SC/ST/FC optional)
- ✓ DC 12~58V input, redundant power supply with polarity reverse/over-voltage protection
- ✓ Dip switch function:
    - ■ 1.Port isolation;
    - ■ 2. Flow control;
    - ■ 3. QoS;
    - ■ 4. Broadcast storm restrain
- ✓ Support 9K Bytes Jumbo frame
- ✓ Support 4KV surge protection and ESD: Air-15kV, Contact-8kV Protection
- ✓ IP40 fan-less and Din-rail hardware design
- ✓ Operation temperature: -40 ℃～+75℃

Technical Specifications

Item	Description		
Interface	Uplink: 2 fiber ports Switchport: 4 RJ45 ports		
Ethernet	4*10/100/1000Base-T RJ45 1*1000Base-X SFP (SC/ST/FC optional)		
Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy Efficient Ethernet		
Dip Switch	1. Port Isolation 2. Flow control 3. QoS(1-2 ports) 4. Broadcast storm restrain		
LED Indicators	P(Power indicator) Green	Off: the device is power off or failed	
		On: the device power on is normal	
	S(System indicator) Red	Off: the chip is normal	
		On: the chip read/write is unnormal	

		Green indicators	Yellow indicators
	1-4(Copper ports)	Off: ports link down	Off: speed is 10/100M
		On: ports link up	On: speed is 1000M
		Blinking: data on TX/RX	
	5-6(Fiber port): Green	Off: port link down	
		On: port link up	
		Blinking: data on Tx/Rx	

Power Specifications

Power Feature	Capability
Input voltage	12-58VDC, redundant power input
Input current	0.5A Max
Total power consumption	Full loading ≤5W
Connector	Removable 4-pin terminal block
Reverse polarity protection	Support
Over-voltage protection	Support

Switch Specifications

Feature	Capability
Switching capacity	12G
Packet forwarding rate	17.8 Mpps
MAC address table	2K

VLAN	4K
Buffer	3M
Forwarding delay	<5us
Jumbo Frame	Support 10Kbytes
MDX/MIDX	Support
Watchdog	Support
Network Topology	
Star topology	Support
Bus topology	Support
Tree Topology	Support

Mechanical structure

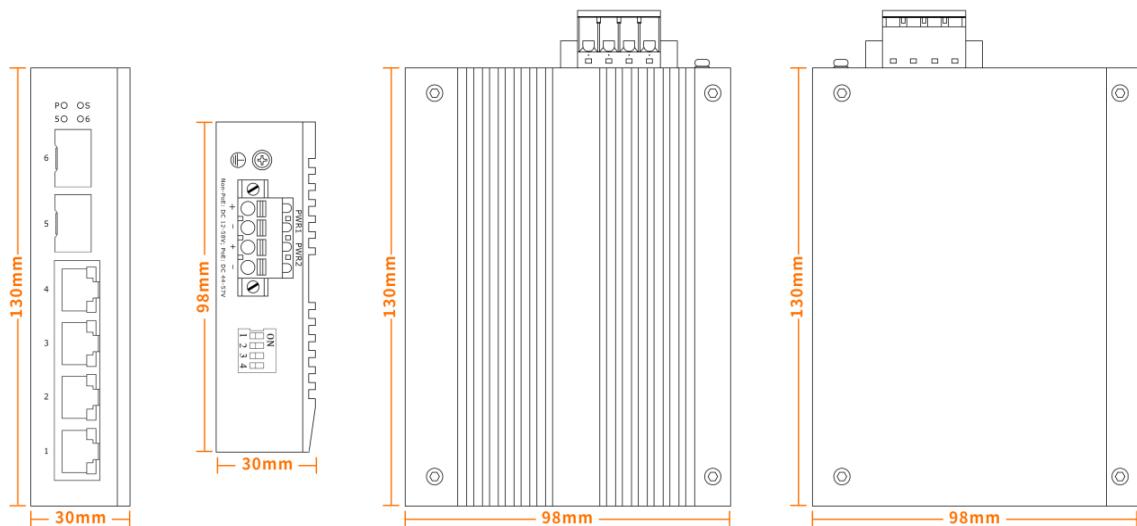| Feature	Capability
Case protection	IP40
Installation method	Din-rail
Dimension(W*D*H)mm	30*98*130mm 48*98*98mm(optional)
Weight	0.6 kg

Operating environment

Feature	Capability
Operating temperature	-40℃~+75℃
Storage/transportation	-40℃~+85℃

temperature	
Relative humidity	5%~95%（non-condensing）
Industrial Standard	Surge protection of power: IEC 61000-4-5　Level 3 (4KV/2KV）（8/20us)
	Surge protection of Ethernet ports: IEC 61000-4-5　Level 3 (4KV/2KV）（10/700us)
	DIP: IEC 61000-4-11　Level 3（10V）
	ESD: IEC 61000-4-2　Level 4（8K/15K）
	Shock：IEC 60068-2-27
	Free fall：IEC 60068-2-32
	Vibration：IEC 60068-2-6
Certification	CCC/CE/FCC/RoHS
Warranty	5 years

Structure diagram

Ordering Information

Model	IS1206-2GX4GE IS1206-2GX4GE-SC IS1206-2GX4GE-ST IS1206-2GX4GE-FC
Product Information	2*1000Base-X SFP or SC/ST/FC 4*10/100/1000Base-T RJ45 unmanaged industrial Ethernet switch DC12-58V input redundant dual power supply Operation temperature: -40℃～+75℃

About Electroline Equipment Inc

Established in 1953, Electroline Equipment Inc., headquartered in Quebec, Canada, boasts over seven decades of experience in designing and manufacturing cutting-edge products for Hybrid Fiber-Coaxial (HFC) and Fiber to the Home (FTTH) networks. As a leading international provider of broadband solutions, the company specializes in DOCSIS®, optical transmission products, return path ingress management technology, Ethernet products, and fiber products.

Over the past five years, Electroline has consistently excelled in Ethernet product Research & Development and sales, demonstrating its prowess in delivering specialized, customized solutions and services tailored to the evolving demands of Operators, Internet Service Providers (ISPs), Multiple System Operators (MSOs), and Enterprises in the digital age.

With a strategic focus on market expansion, Electroline continues to actively engage in marketing efforts across North America, Central America, South America, Europe, and Asia, where the telecommunications industry plays a pivotal role in driving economic growth and innovation.