

## 4\*10/100/1000Base-T + 2\*1000Base-X SFP Industrial Ethernet Switch

LT-IS3006G-2GX4GT



### Features:

- 4\*10/100/1000M RJ45 ports, 2\*1000Base-X SFP fiber ports
- 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 10K 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 °C ~+75 °C

## Overview

The SmartByte LT-IS3006G-2GX4GT is the unmanaged industrial grade Ethernet switch with 4-port 10/100/1000-T RJ45 and 2-port 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.

LT-IS3006G-2GX4GT is also a high cost-effective easy-to-use device, which provide 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

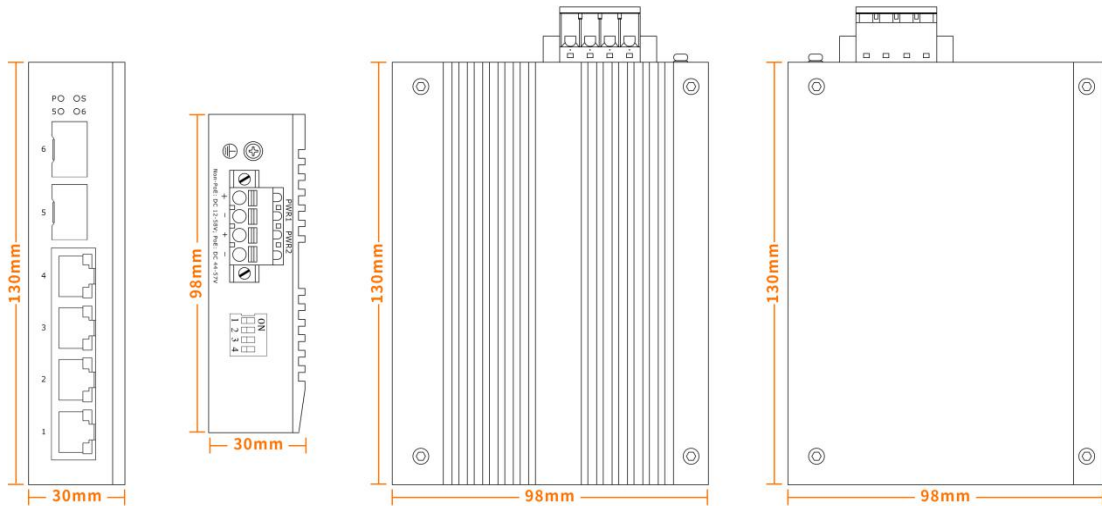
## Technical specification

<b>Model No.</b>	LT-IS3006G-2GX4GT		
<b>Interface</b>	Fiber ports	Copper RJ45 ports	
	2	4	
<b>Ethernet</b>	4*10/100/1000Base-T RJ45 2*1000Base-X SFP		
<b>Standard</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy Efficient Ethernet		
<b>Dip Switch</b>	1. Port Isolation 2. Flow control 3. QoS(1-2 ports) 4. Broadcast storm restrain		
<b>LED Indicators</b>	P(Power indicator) <b>Green</b>	Off: the device is power off or failed	
		On: the device power on is normal	
	S(System indicator) <b>Red</b>	Off: the chip is normal	
		On: the chip read/write is unnormal	
1-4(Copper ports)	<b>Green</b> indicators	<b>Yellow</b> indicators	

		Off: ports link down	Off: port speed is 10/100M
		On: ports link up	On: port speed is 1000M
		Blinking: data on TX/RX	
	5-6 ( Fiber ports) <b>Green</b>	Off: ports link down	
		On: ports link up	
		Blinking: data on TX/RX	
<b>Power parameters</b>			
Input voltage	12-58VDC, redundant power input		
Input current	3A Max		
Total power consumption	Full loading ≤5W		
Connector	Removable 4-pin terminal block		
Reverse polarity protection	Support		
Over-voltage protection	Support		
<b>Switching features</b>			
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		
<b>Network Topology</b>			
Star topology	Support		
Bus topology	Support		

Tree Topology	Support
<b>Mechanical structure</b>	
Case protection	IP40
Installation method	Din-rail
Dimension(W*D*H)mm	30*98*130mm
Weight	0.55kg
<b>Operating environment</b>	
Operating temperature	-40℃~+75℃
Storage/transportation temperature	-40℃~+85℃
Relative humidity	5%~95% (non-condensing)
<b>Industrial Standard</b>	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
<b>Certification</b>	CCC/CE/FCC/RoHS
<b>Warranty</b>	5 years

### Structure diagram



### Order information

Model	Description
LT-IS3006G-2GX4GT	10/100/1000Base-T to 1000Base-X unmanaged industrial Ethernet switch with 4*10/100/1000Base-T RJ45 ports and 2*1000Base-X SFP slots, DC12-58V input, redundant dual power supply, Din-rail installation. Fiber ports transmission distance depending on the SFP module; Operation temperature: -40°C ~ +75°C