

## 8\*10/100Base-TX PoE + 2\*1000Base-X Industrial PoE Switch

### LT-IS3010XFP-2GX8TX Series



#### Features:

- 8\*10/100Base-TX RJ45 PoE ports, 2\*1000Base-X SFP(/SC/ST/FC optional) fiber ports
- DC 44~57V input, redundant power supply with polarity reverse/over-voltage protection
- Complies with IEEE802.3af PoE and IEEE802.3at PoE+ standard
- Dip switch function: 1.Port isolation; 2. 250m long distance; 3. QoS; 4.PoE watchdog
- 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-IS3010XFP-2GX8TX series are the unmanaged industrial grade PoE switch with 8-port 10/100Base-TX PoE and 2-port 1000Base-X fiber optical interfaces. They comply with IEEE802.3af, IEEE802.3at standard PoE protocol, the Max power consumption can reach 30W (PoE+) per port. Moreover, they are featuring with port isolation, 250m long distance transmission mode, QoS(1-2 ports) and PoE watchdog function, which all can be configured by the Dip switch on the top panel.

LT-IS3010XFP-2GX8TX series are also high cost-effective easy-to-use devices, which provide essential industrial Ethernet networking function, such as wide range power input 44-57VDC, 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. They are 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

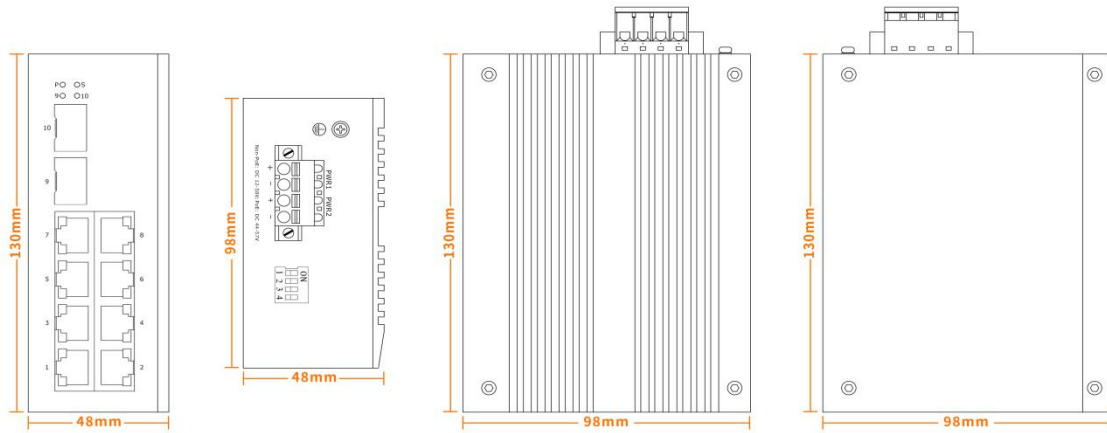
<b>Model No.</b>	LT-IS3010XFP-2GX8TX	
<b>Interface</b>	Fiber ports	Copper RJ45 ports
	2	8
<b>Ethernet</b>	8*10/100Base-TX PoE 2*1000Base-X SFP (SC/ST/FC are optional)	
<b>Standard</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy Efficient Ethernet IEEE 802.3af Power-Over-Ethernet IEEE 802.3at Power Over Ethernet plus PSE	
<b>Dip Switch</b>	<ol style="list-style-type: none"> <li>1. Port Isolation</li> <li>2. 250m long distance mode(1-8 ports)</li> <li>3. QoS(1-2 ports)</li> <li>4. PoE watchdog</li> </ol>	
<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(PoE usage indicator) <b>Red</b>	Off: total PoE usage < rated 50%

		Blinking: rated 50% < total PoE usage < rated 90%	
		On: total PoE usage ≥ rated 90%	
	1-8 (Copper ports)	Green indicators	Yellow indicators
		Off: ports link down	Off: PoE not working
		On: ports link up	On: PoE working
		Blinking: data on TX/RX	
	9-10 (Fiber ports) Green	Off: ports link down	
		On: ports link up	
		Blinking: data on TX/RX	
	<b>Power parameters</b>		
Input voltage	44-57VDC, redundant power input		
Input current	5.6A Max		
Total power consumption	Full loading without PoE ≤ 6W PoE power budget ≤ 240W		
Connector	Removable 4-pin terminal block		
Reverse polarity protection	Support		
Over-voltage protection	Support		
<b>Switching features</b>			
Switching capacity	5.6G		
Packet forwarding rate	8.3Mpps		
MAC address table	8K		
VLAN	8K		
Buffer	2Kbits		
Forwarding delay	<5us		
Jumbo Frame	Support 10Kbytes		
MDX/MIDX	Support		
Watchdog	Support		

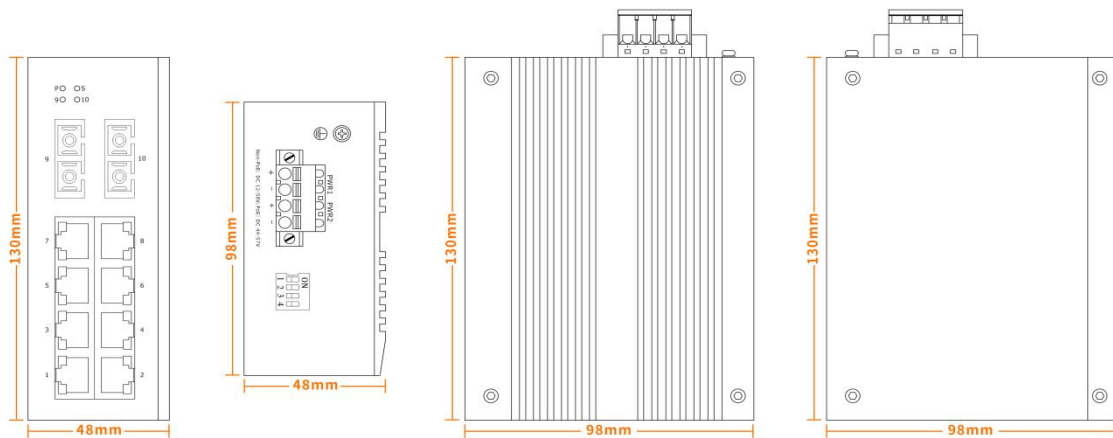
<b>Network Topology</b>	
Star topology	Support
Bus topology	Support
Tree Topology	Support
<b>Mechanical structure</b>	
Case protection	IP40
Installation method	Din-rail
Dimension(W*D*H)mm	48*98*130mm
Weight	0.72 kg
<b>Operating environment</b>	
Operating temperature	-40°C~+75°C
Storage/transportation temperature	-40°C~+85°C
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

### SFP model



### SC/ST/FC model



### Order information

Model	Description
LT-IS3010XFP-2GX8TX	10/100Base-TX to 1000Base-X unmanaged industrial PoE switch with 8*10/100Base-TX PoE ports and 2*1000Base-X SFP slots, complies with IEEE802.3af, IEEE802.3at standard, DC44-57V, redundant dual power supply, Din-rail installation. Fiber port transmission distance depending on the SFP module; Operation temperature: -40°C ~ +75°C
LT-IS3010XFP-2GX8TX-SC	10/100Base-TX to 1000Base-X unmanaged industrial PoE switch with 8*10/100Base-TX PoE ports and 2*1000Base-X SC ports, complies with IEEE802.3af, IEEE802.3at standard, DC44-57V, redundant dual power supply, Din-rail installation; Multi-mode/Single mode/ dual fiber/single fiber, 550m -100KM optional; Operation temperature: -40°C ~ +75°C
LT-IS3010XFP-2GX8TX-FC	10/100Base-TX to 1000Base-X unmanaged industrial PoE switch with 8*10/100Base-TX PoE ports and 2*1000Base-X FC ports, complies with IEEE802.3af, IEEE802.3at standard, DC44-57V, redundant dual power supply, Din-rail installation; Multi-mode/Single mode/ dual fiber/single fiber, 550m -100KM optional; Operation temperature: -40°C ~ +75°C
LT-IS3010XFP-2GX8TX-ST	10/100Base-TX to 1000Base-X unmanaged industrial PoE switch with 8*10/100Base-TX PoE ports and 2*1000Base-X ST ports, complies with IEEE802.3af, IEEE802.3at standard, DC44-57V, redundant dual power supply, Din-rail installation; Multi-mode/Single mode/ dual fiber/single fiber, 550m -100KM optional; Operation temperature: -40°C ~ +75°C