

8*10/100Base-TX + 1*100Base-FX Industrial Ethernet Switch

LT-IS3009F-1FX8TX Series



Features:

- 8*10/100Base-TX RJ45 ports, 1*100Base-FX SFP(/SC/ST/FC optional) fiber port
- 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 °C ~+75 °C

Overview

The SmartByte LT-IS3009F-1FX8TX series are unmanaged industrial grade Ethernet switch with 8-port 10/100-TX RJ45 and 1-port 100Base-FX fiber optical interface. They are 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-IS3009F-1FX8TX series are also high cost-effective easy-to-use devices, 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

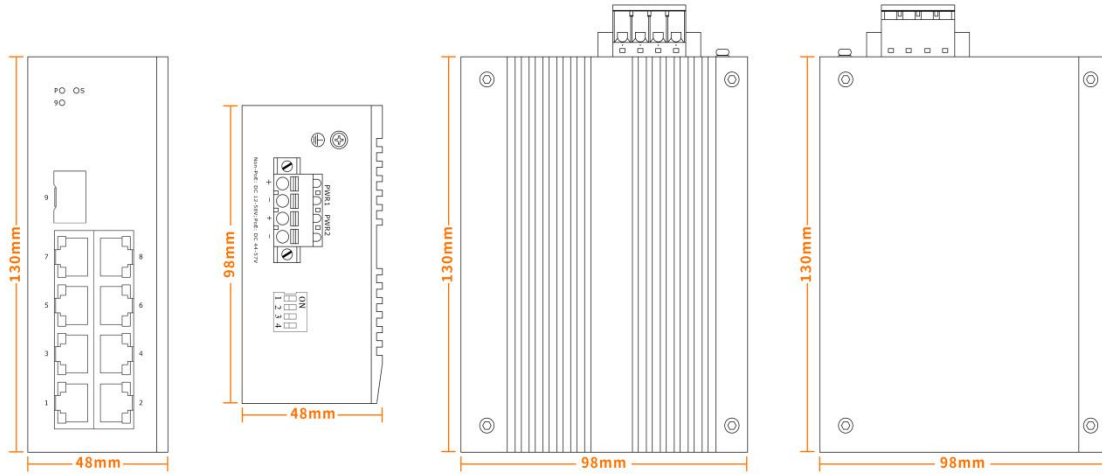
Model No.	LT-IS3009F-1FX8TX			
Interface	Fiber port	Copper RJ45 ports		
	1	8		
Ethernet	8*10/100Base-TX RJ45 1*100Base-FX SFP /SC/ST/FC fiber port			
Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy Efficient Ethernet			
Dip Switch	<ol style="list-style-type: none"> 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		
	1-8(Copper ports)	Green indicators	Yellow indicators	
		Off: ports link down	Off: port speed is 10M	

		On: ports link up	On: port speed is 100M
		Blinking: data on TX/RX	
	9 (Fiber port) Green	Off: ports link down	
		On: ports link up	
		Blinking: data on TX/RX	
Power parameters			
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		
Switching features			
Switching capacity	1.8G		
Packet forwarding rate	2.67 Mpps		
MAC address table	2K		
VLAN	2K		
Buffer	2Kbits		
Forwarding delay	<100us		
Jumbo Frame	Support 9Kbytes		
MDX/MIDX	Support		
Watchdog	Support		
Network Topology			
Star topology	Support		
Bus topology	Support		
Tree Topology	Support		
Mechanical structure			

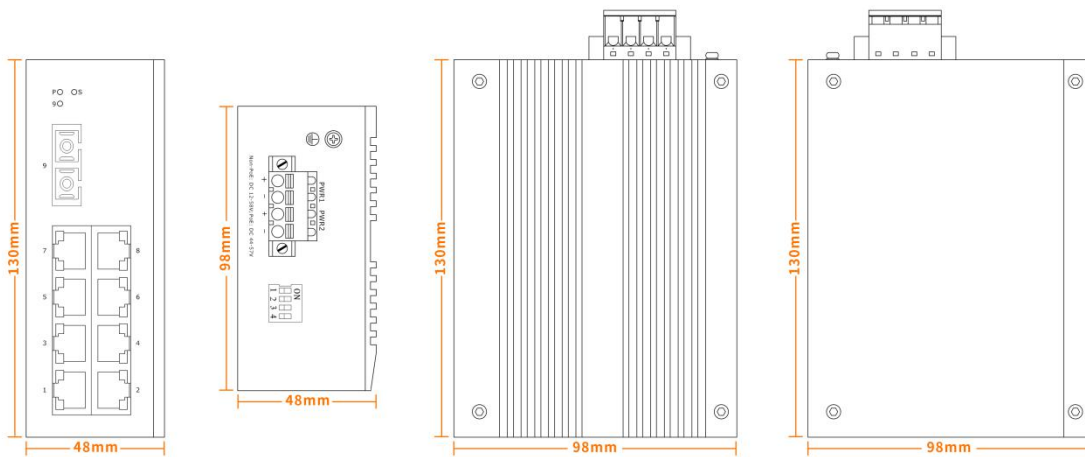
Case protection	IP40
Installation method	Din-rail
Dimension(W*D*H)mm	48*98*130mm
Weight	0.68 kg
Operating environment	
Operating temperature	-40°C~+75°C
Storage/transportation temperature	-40°C~+85°C
Relative humidity	5%~95% (non-condensing)
Industrial Standard	Surge protection of power: IEC 61000-4-5 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

SFP model



SC/ST/FC model



Order information

Model	Description
LT-IS3009F-1FX8TX	10/100Base-TX to 100Base-FX unmanaged industrial Ethernet switch with 8*10/100Base-TX RJ45 ports and 1*100Base-FX SFP slot, DC12-58V input, redundant dual power supply, Din-rail installation. Fiber port transmission distance depending on the SFP module; Operation temperature: -40°C~+75°C
LT-IS3009F-1FX8TX-SC	10/100Base-TX to 100Base-FX unmanaged industrial Ethernet switch with 8*10/100Base-TX RJ45 ports and 1*100Base-FX SC port, DC12-58V input, 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-IS3009F-1FX8TX-FC	10/100Base-TX to 100Base-FX unmanaged industrial Ethernet switch with 8*10/100Base-TX RJ45 ports and 1*100Base-FX FC port, DC12-58V input, 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-IS3009F-1FX8TX-ST	10/100Base-TX to 100Base-FX unmanaged industrial Ethernet switch with 8*10/100Base-TX RJ45 ports and 1*100Base-FX ST port, DC12-58V input, redundant dual power supply, Din-rail installation; Multi-mode/Single mode/ dual fiber/single fiber, 550m -100KM optional; Operation temperature: -40°C~+75°C