4*10/100Base-TX PoE + 2*100Base-FX   Industrial PoE Switch

LT-IS3006FP-2FX4TX

Features:

➢ 4*10/100Base-TX RJ45 PoE ports, 2*100Base-FX SFP 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

➢   Powerful Dip switch function:

   1.Port isolation; 2. 250m long distance; 3. QoS; 4.PoE watchdog

➢ 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℃

Overview

The SmartByte LT-IS3006FP-2FX4TX is the unmanaged industrial grade PoE switch with 4-port 10/100Base-TX PoE and 2-port 100Base-FX fiber optical interfaces. It complies with IEEE802.3af, IEEE802.3at standard PoE protocol, the Max power consumption can reach 30W (PoE+) per port. Moreover, it is featuring with port isolation, 250m long distance transmission mode(1-4 ports), QoS(1-2 ports) and PoE watchdog function, which all can be configured by the Dip switch on the top panel.

LT-IS3006FP-2FX4TX is also a high cost-effective easy-to-use device, which provides 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℃ ~+75℃ 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.
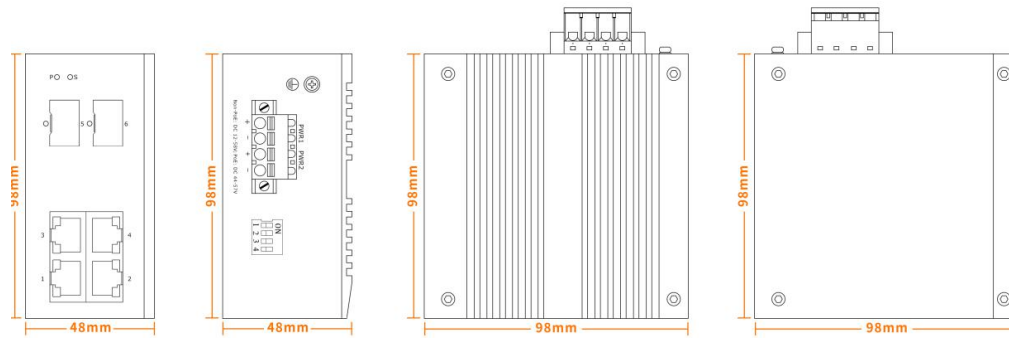
Technical specification

Model No.	LT-IS3006FP-2FX4TX	
Interface	Fiber ports	Copper RJ45 ports
	2	4
Ethernet	4*10/100Base-TX PoE 2*100Base-FX SFP(SC/ST/FC are 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 IEEE 802.3af Power-Over-Ethernet IEEE 802.3at Power Over Ethernet plus PSE	
Dip Switch	1. Port Isolation 2. 250m long distance mode(1-4 ports) 3. QoS(1-2 ports) 4. PoE watchdog	
LED Indicators	P(Power indicator) Green	Off: the device is power off or failed
		On: the device power on is normal
	S(PoE usage indicator) Red	Off: total PoE usage < rated 50%
		Blinking: rated 50% < total PoE usage < rated 90%

		On: total PoE usage≥rated 90%	
		Green indicators	Yellow indicators
	1-4(Copper ports)	Off: ports link down	Off: PoE not working
		On: ports link up	On: PoE working
		Blinking: data on TX/RX	
	5-6 (Fiber ports) Green	Off: ports link down	
		On: ports link up	
		Blinking: data on TX/RX	
Power parameters			
Input voltage	44-57VDC, redundant power input		
Input current	3A Max		
Total power consumption	Full loading without PoE ≤4W PoE power budget ≤ 120W		
Connector	Removable 4-pin terminal block		
Reverse polarity protection	Support		
Over-voltage protection	Support		
Switching features			
Switching capacity	1.2G		
Packet forwarding rate	1.78Mpps		
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	30*98*98mm
Weight	0.6 kg
Operating environment	
Operating temperature	-40℃~+75℃
Storage/transportation temperature	-40℃~+85℃
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
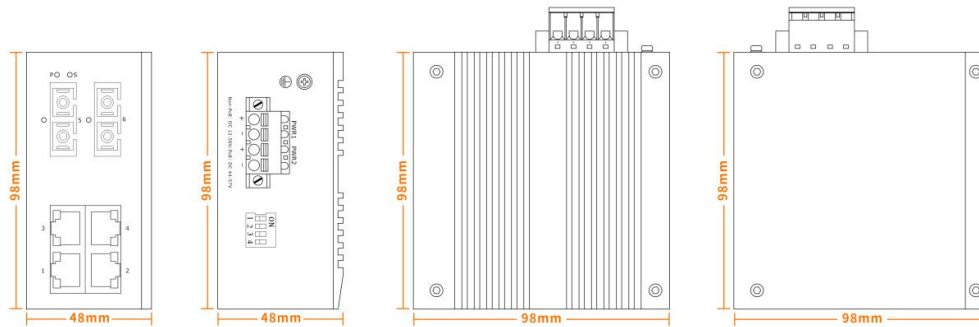
Order information

Model	Description
LT-IS3006FP-2FX4TX	10/100Base-TX to 100Base-FX unmanaged industrial PoE switch with 4*10/100Base-TX PoE ports and 2*100Base-FX SFP slots, complies with IEEE802.3af, IEEE802.3at standard, DC44-57V, redundant dual power supply, Din-rail installation. Operation temperature: -40℃～+75℃
LT-IS3006FP-2FX4TX-SC/ST/FC	10/100Base-TX to 100Base-FX unmanaged industrial PoE switch with 4*10/100Base-TX PoE ports and 2*100Base-FX SC/ST/FC ports, complies with IEEE802.3af, IEEE802.3at standard, DC44-57V, redundant dual power supply, Din-rail installation. Operation temperature: -40℃～+75℃