8*10/100Base-TX Industrial PoE Switch

LT-IS3008FP-8TX

Features:

➤ 8*10/100Base-TX RJ45 PoE 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 ℃ ~+75℃

Overview

The SmartByte LT-IS3008FP-8TX series is the unmanaged industrial grade PoE switch with 8-port 10/100Base-TX PoE. 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, QoS(1-2 ports) and PoE watchdog function, which all can be configured by the Dip switch on the top panel.

LT-IS3008FP-8TX 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.
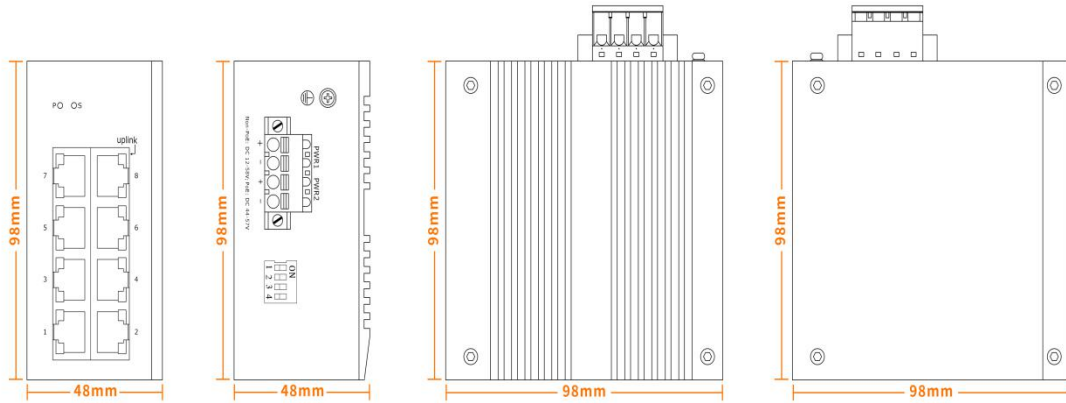
Technical specification

Model No.	LT-IS3008FP-8TX	
Interface	Fiber port	Copper RJ45 ports
	0	8
Ethernet	8*10/100Base-TX RJ45 PoE	
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 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%	
	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	

Power parameters	
Input voltage	44-57VDC, redundant power input
Input current	5.6A Max
Total power consumption	Full loading without PoE ≤4W PoE power budget ≤ 240W
Connector	Removable 4-pin terminal block
Reverse polarity protection	Support
Over-voltage protection	Support

Switching features	
Switching capacity	1.6G
Packet forwarding rate	2.38 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	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

Order information

Model	Description
LT-IS3008FP-8TX	8-port 10/100Base-TX unmanaged industrial PoE switch, complies with IEEE802.3af, IEEE802.3at standard, DC44-57V, redundant dual power supply, Din-rail installation, Operation temperature: -40℃～+75℃