

5*10/100Base-TX Industrial Ethernet Switch

LT-IS3005F-5TX-E-AD



Features:

- 5*10/100Base-TX RJ45 ports (NO.5 is the uplink port)
- AC 15-40V, 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-IS3005F-5TX-E is the unmanaged industrial grade Ethernet switch with 5-port 10/100Base-TX RJ45. 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-IS3005F-5TX is also a high cost-effective easy-to-use device, which provides 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 ~+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

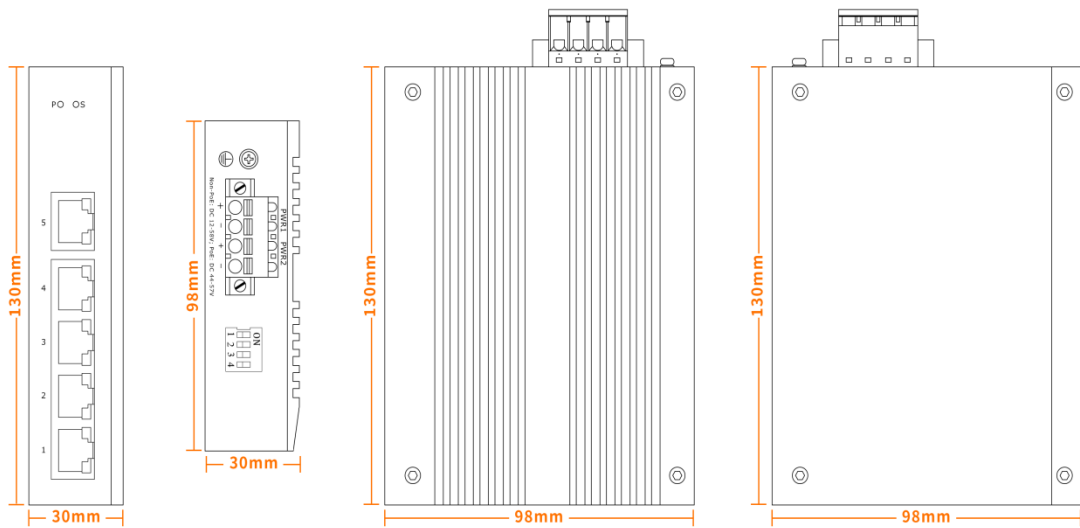
Technical specification

Model No.	LT-IS3005F-5TX-E-AD			
Interface	Fiber port	Copper RJ45 ports		
	0	5		
Ethernet	5*10/100Base-TX RJ45 (NO.5 is the uplink 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	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		
	1-5(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		
Power parameters				
Input voltage	15-40VAC, 12-58VDC, redundant power input			
Input current	0.5A Max			
Total power consumption	Full loading ≤4W			
Connector	Removable 4-pin terminal block			
Reverse polarity protection	Support			

Over-voltage protection	Support
Switching features	
Switching capacity	1G
Packet forwarding rate	1.48 Mpps
MAC address table	2K
VLAN	4K
Buffer	16K
Forwarding delay	<10us
Jumbo Frame	Support 2Kbytes
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*130mm
Weight	0.5 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



Order information

Model	Description
LT-IS3005F-5TX-E	5-port 10/100Base-TX RJ45 industrial Ethernet switch , DC12-58V input, redundant dual power supply, Din-rail installation. Operation temperature: -40°C ~+75°C