8*10/100/1000Base-T Industrial Ethernet Switch

LT-IS3008G-8GT

Features:

➤ 8*10/100/1000M RJ45 ports(No.8 is uplink 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 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-IS3008G-8GT is a unmanaged industrial grade Ethernet switch with 8-port 10/100/1000Base-T RJ45 ports (No.8 can be uplink port). It is featuring with port isolation, flow control, QoS(1-2 ports) and broadcast storm restrain, which all can be configured by the Dip switch on the top panel.

LT-IS3008G-8GT 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℃ ~+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
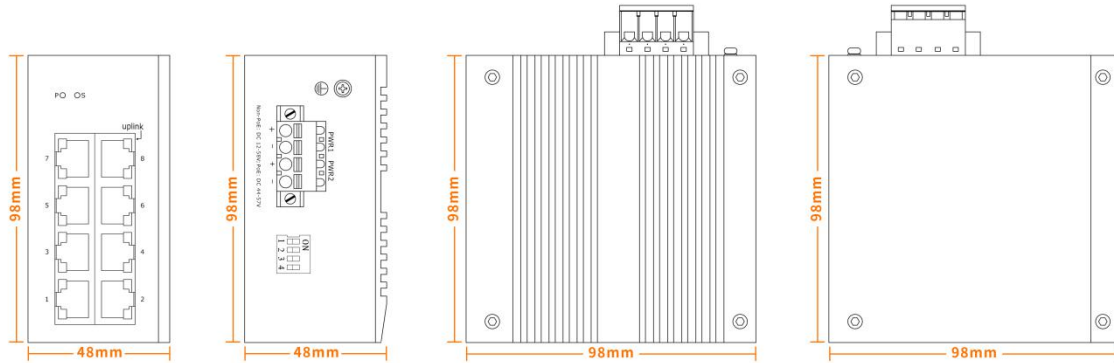
Technical specification

(Model No.	LT-IS3008G-8GT		
Interface	Fiber ports		Copper RJ45 ports
	0		8
Ethernet	8*10/100/1000Base-T RJ45 ports		
Standard	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy Efficient Ethernet		
Dip Switch	1. Port Isolation (No.8 is the uplink port) 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 10/100M
		On: ports link up	On: port speed is 1000M
		Blinking: data on TX/RX	
Power parameters			
Input voltage	12-58 VDC, redundant power input		
Input current	0.6A Max		
Total consumption	Full loading without PoE ≤5W		
Connector	Removable 4-pin terminal block		
Reverse polarity protection	Support		
Over-voltage protection	Support		
Switching features			
Switching capacity	16G		
Packet forwarding rate	23.8 Mpps		
MAC address table	16K		
VLAN	4K		
Buffer	2M		
Forwarding delay	<5us		
Jumbo Frame	Support 10Kbytes		
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*98mm		

Weight	0.58 kg
Operating environment	
Operating temperature	-40℃~+75℃
Storage/transportation temperature	-40℃~+85℃
Relative humidity	5%~95% （non-condensing）
Industry 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-IS3008G-8GT	8-port 10/100/1000Base-T unmanaged industrial Ethernet switch, DC12-58V, redundant dual power supply, Din-rail installation. Operation temperature: -40℃ ～ +75℃