# 8*10/100Base-TX Industrial Ethernet Switch

## LT-IS3008F-8TX-AD



## Features:

- 8*10/100Base-TX RJ45 ports

- 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 ℃ ~+75℃

## Overview

The SmartByte LT-IS3008F-8TX is the unmanaged industrial grade Ethernet switch with 8-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-IS3008F-8TX 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 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
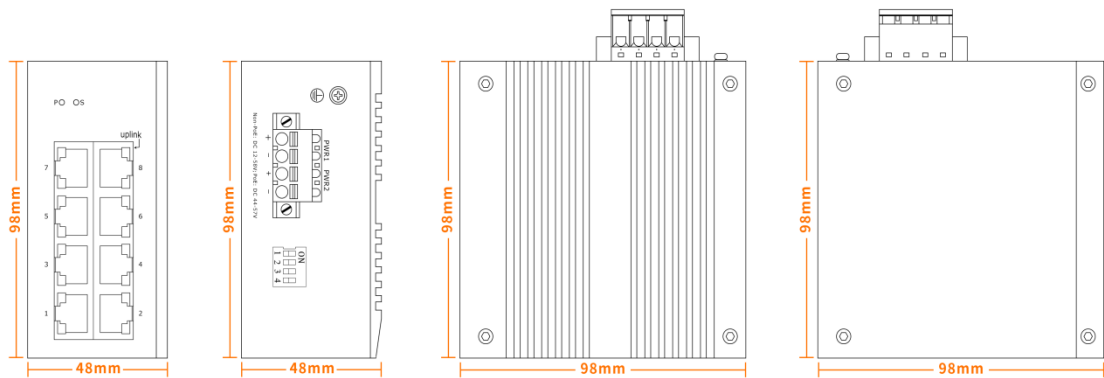
## Technical specification

| Model No. | LT-IS3008F-8TX-AD | |
|---|---|---|
| **Interface** | Fiber port | Copper RJ45 ports |
| | 0 | 8 |
| **Ethernet** | 8*10/100Base-TX RJ45 | |
| **Standard** | IEEE 802.3 10Base-T Ethernet<br>IEEE 802.3u Fast Ethernet<br>IEEE 802.3x Full-Duplex Flow Control<br>IEEE 802.3az Energy Efficient Ethernet | |
| **Dip Switch** | 1. Port Isolation<br>2. Flow control<br>3. QoS(1-2 ports)<br>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 | |

| **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 | 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 | 48*98*98mm |
| Weight | 0.58 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-IS3008F-8TX | 8-port 10/100Base-TX RJ45 industrial Ethernet switch , DC12-58V input, redundant dual power supply, Din-rail installation. Operation temperature: -40℃～+75℃ |