8 *10/100Base-T RJ45 Managed Industrial Ethernet Switch
LT-IS6208F-8TX

Overview:

SmartByte's LT-IS6208F-8TX is a 8*10/100Base-T RJ45 ports managed industrial Ethernet fast switch. Through the fan-less cooling design, wide range working environment temperature -40℃ ~ +75℃, high protection level and industry quality, it is   one of the most reliable choice for easy managed Fiber Ethernet application under harsh environment. Meanwhile, it supports the public Ethernet multi ring protection technology (ERPS), which can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. It can meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.
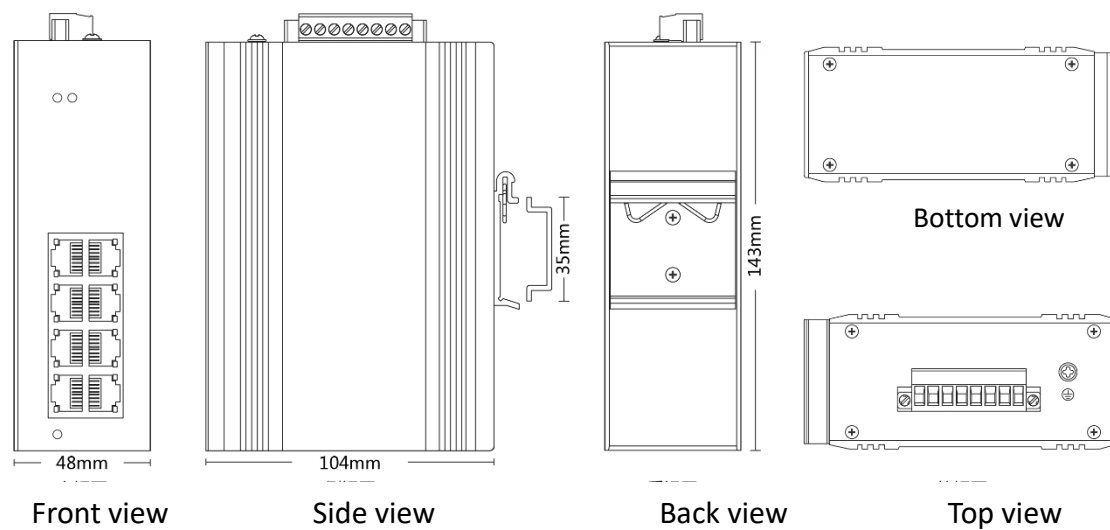
Picture

Features:

- 8*10/100Base-TX RJ45 ports

- IP40 industrial case protection level and fan-less design

- Industrial Marvell chipset to make sure the high performance and quality

- Redundant power supply with polarity reverse protection function

- Layer 2 features: Support flow control, 10K bytes Jumbo frame, VLAN; ERPS, STP/RSTP/MSTP; Link aggregation, IGMP snooping, port mirroring, storm control, QINQ, 802.1X, port isolation, RMON, NTP client, DHCP snooping/client, Ping/Tracert test, Dying gasp , ACL, QoS and SFP DDM function

- Management and maintenance: IPv4 and IPv6 dual stack management; Support Web, SNMP, CLI, Telnet/SSH management method; Support user management, system log, configuration upload/download through web interface, firmware upgrade via HTTP/TFTP

- Support watchdog function, which can make the equipment work again if it is frozen

- Support ring, star, bus, tree and hybrid network topology

- Support 6KV surge protection and ESD: Air-15kV, Contact-8kV protection

- Support Din-rail installation

- Operation temperature: -40℃~+75℃

- 5 years warranty

Technical specification

Ports Interface	
Fixed port	8*10/100 Base-T RJ45 ports
Management Port	Support console
Power interface	Phoenix terminal, dual power input
LED Indicators	PWR，Link/ACT LED

Cable Type & Transmission Distance	
Twisted-pair	0-100m （CAT5e,CAT6）

Network Topology	
Ring topology	√
Star topology	√
Bus topology	√
Tree Topology	√
Hybrid topology	√

Electrical Specifications	
Input voltage	DC12~58V
Total Power consumption	< 10W

Layer 2 Switching	
Switching capacity	36G
Packet forwarding rate	26.78Mpps
MAC address table	16K
VLAN	Support 4K
Buffer	12M
Forwarding delay	<10us
MDX/MIDX	√
Flow control	√
Jumbo Frame	Support 10Kbytes
Spanning Tree	Support STP/RSTP/MSTP
Ring Protocol	Support ERPS
Link Aggregation	Support 12 group
Multicast	Support IGMP Snooping
Port Mirroring	√
Storm Control	√
Interface Counters	√
QINQ	√
802.1X	√
MAC Authentication	√
Port Isolation	√
RMON	√
NTP Client	√
DHCP CLIENT	√
DHCP snooping	√
Ping/tracert test	√
Dying gasp	√
DDM	√

Convergence

ACL	Support ACL 500 Support IP standard ACL Support MAC expand ACL Support IP expand ACL
QoS	Support QoS re-marking, priority mapping Support SP, WRR queue scheduling Support engress rate-limited, egress rate-limit Support Policy-based QoS

Management

CLI	√
Console	√
Management IP	Support IPv4/IPv6
Telnet/SSH	√
WEB management	√
SNMP	Support SNMPv1/v2c/v3
User Management	√
System Log	√
Configuration File Download/Upload	√
Upgrade Firmware	√

Environment

Operating temperature	-40℃~+75℃
Storage temperature	-40℃~+85℃
Relative humidity	5%~95% （non-condensing）
Thermal methods	Fan-less, natural cooling
MTBF	100,000 hours

Mechanical Specification

Dimension	48X104X143mm
Installation method	DIN-rail
Weight	Net weight 0.58KG

Protection & Certification

Case protection level	IP40
Surge protection of Power	IEC 61000-4-5　Level X（6KV/6KV）（8/20us）
Surge protection of Ethernet port	IEC 61000-4-5　Level 4（4KV/4KV）（10/700us）
RS	IEC 61000-4-3Level 3（10V/m）
EFI	IEC 61000-4-4　Level 3（1V/2V）
CS	IEC 61000-4-6　Level 3（10V/m）
PFMF	IEC 61000-4-8　Level 4（30A/m）
DIP	IEC 61000-4-11Level 3（10V）
ESD	IEC 61000-4-2 Level 4（8K/15K）
Free fall	0.5m
Certification	CE/FCC/RoHS/CCC

Warranty	5 years

Appearance diagram

Front view   Side view   Back view   Top view

Bottom view

48mm   104mm   35mm   143mm

Order information

Model	Description
LT-IS6208F-8TX	8 ports 10/100M RJ45 managed industrial switch, DC12-58V, Phoenix terminal, redundant dual power supply, Din-rail installation. Operation temperature: -40℃～+75℃