LA-IS7M-G0010P-USB

Industrial Managed Switch GE 8RJ45 PoE, Uplink GE 2RJ45, with USB

Introduction

LA-IS7M-10G0010P-USB is an innovative Management Industrial PoE Ethernet Switch, with 8port 10/100/1000Base-T RJ45 port and uplink 2port 10/100/1000Base-T RJ45 port. It is customized with USB for easy upgrading and bring-up. The switch supports PoE, through fanless cooling circuit design, wide range of working environment temperature, high protection level and other technologies, providing high and low temperature, lightning protection and other excellent industrial quality; and integrated switching, security and other rich protocols, while supporting public Ethernet multi-ring protection technology (ERPS), greatly improving the flexibility of networking, And enhance the reliability and security of industrial networks.

The switch uses high performance Marvell mainchip 98DX225S, PHY 88E1685, and PSE chip RTL8238B-VB-GR. It can better meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.

▌ Features

- **Input Voltage:** DC12-58V(Non-PoE); DC48-58V(PoE)
- **Shell:** IP40 protection, fan-less design
- **Anti-static:** 8KV-15KV
- **Operating Temperature:** -40℃ ~ +85℃
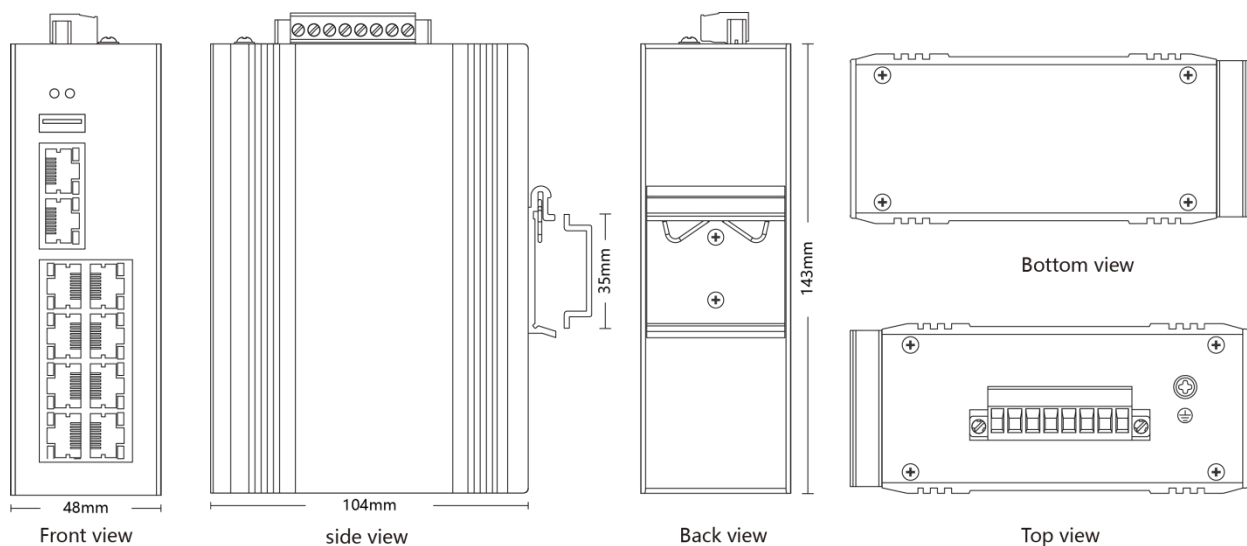- **Test Report:** RoHS, FCC, CE
- **MTBF:** 100000 Hours

▌ Specifications

PART NO	LA-IS7M-G0010P-USB
Provider Mode Ports	
Fixed Port	2 x 10/100/1000Base-T, 8 x 10/100/1000Base-T
Management Port	Support console & USB
Power Interface	Phoenix terminal, dual power redundancy
LED Indicators	PWR, Link/ACT LED
Cable Type & Transmission Distance	
Twisted-pair	0-100m (CAT5e, CAT6)
Network Topology	
Ring Topology	Support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Hybrid Topology	Support
Electrical Specifications	
Input Voltage	DC12-58V (Non-PoE); DC48-58V (PoE)
Total Power Consumption	<10W (non-PoE); <250W (PoE+)
PoE	
PoE Port	1-8
PoE Protocol	802.3af, 802.3at
Pin Assignment	1, 2, 3, 6
PoE Management	Support
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	Support
Flow Control	Support
Jumbo Frame	10Kbytes
Spanning Tree	Support STP/RSTP/MSTP

Ring Protocol	Support ERPS
Link Aggregation	Support 12 groups
Multicast	Support IGMP Snooping
Port Mirroring	Support
Storm Control	Support
Interface Counters	Support
QINQ	Support
Watch Dog	Support
802.1X	Support
MAC Authentication	Support
Port Isolation	Support
Rmon	Support
NTP Client	Support
DHCP Client	Support
DHCP Snooping	Support
DHCP CLIENT	Support
PING/TRACEROUT	Support
Dying Gasp	Support
DDM	Support
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	Support
Console	Support
Management IP	Support IPv4/IPv6
Telnet / SSH	Support
WEB Management	Support
SNMP	Support SNMPv1/v2c/v3
User Management	Support
System Log	Support
Configuration File Download/Upload	Support
Upgrade Firmware	Support
Environment	
Operating Temperature	-40℃ ~ +85℃
Storage Temperature	-40℃ ~ +85℃

Relative Humidity	5% ~ 95% (non-condensing)
Thermal Methods	Fan-less, natural cooling
MTBF	100,000 hours
Mechanical Dimensions	
Product Size	143X104X48mm (W×H×D)
Installation Method	DIN-rail
Net Weight	0.58KG around
Packaging Info	30PCS/CTN, Carton Dim. 51*39.5*36cm, 23KGS/CTN
EMC & Ingress Protection	
IP 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 61000-4-3 Level 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 61000-4-11 Level 3 (10V)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free Fall	0.5m
Authentication	
Authentication	CE/FCC/RoHS

▌ Dimensions

48mm	104mm		
Front view	side view	35mm / 143mm Back view	Bottom view / Top view

▌ Ordering Information

PART NO	DESCRIPTION
LA-IS7M-G0010P-USB	Industrial Managed PoE Switch, 8 x 10/100/1000M RJ45 Port (8 x PoE+, 240w) Uplink 2 x 10/100/1000Mbps RJ45 Port, Support Console & USB

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