

LA-IS7M-10G0408P-USB

Industrial Managed PoE Switch 10GE 4SFP+, GE 8RJ45 PoE, with USB



Introduction

LA-IS7M-10G0408P-USB is an innovative 10Gigabit Management Industrial PoE Ethernet Fiber Switch, with 8port 10/100/1000Base-T RJ45 port and uplink 4port 10G Base-X SFP+ 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 98DX226S, 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°C ~ +75°C
- **Test Report:** RoHS, FCC, CE
- **MTBF:** 100000 Hours

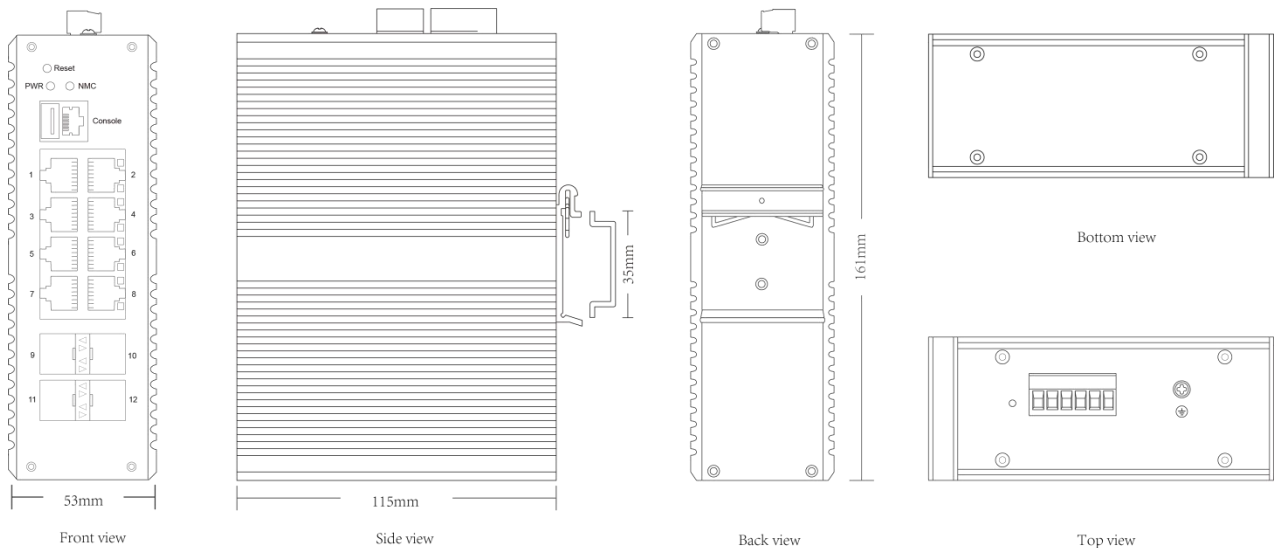
Specifications

PART NO	LA-IS7M-10G0408P-USB
Provider Mode Ports	
Fixed Port	4*10G Base-X SFP+, 8*10/100/1000 Base-T
Management Port	Support Console
	Support USB
Power Interface	Phoenix terminal, redundant dual power supply
LED Indicators	PWR, Link/ACT LED
Cable Type & Transmission Distance	
Twisted-pair	0-100m (CAT5e, CAT6)
Monomode Optical Fiber	20/40/60/80/100KM
Multimode Optical Fiber	550m
Network Topology	
Ring Topology	Support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Hybrid Topology	Support
Electrical Specifications	
Input Voltage	Non-PoE DC12-58V; PoE DC48-58V
Total Power Consumption	Non-PoE<20W; PoE <260W
PoE Support	
PoE Port	1-8
PoE Protocol	802.3af, 802.3at
Pin Assignment	12+, 36-
PoE Management	Support
Layer 2 Switching	
Switching Capacity	128G
Packet Forwarding Rate	101.2Mpps
MAC Address Table	16K
VLAN	Support 4K
Buffer	12M
Forwarding Delay	<10us
MDX/MIDX	Support
Flow Control	Support
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	Support
Storm Control	Support
Interface Counters	Support
QINQ	Support
802.1X	Support
MAC Authentication	Support
Port Isolation	Support
Rmon	Support
NTP Client	Support
DHCP Client	Support
DHCP Snooping	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 egress rate-limited, egress rate-limit Support Policy-based QoS
Management	
CLI	Support
Console	Support
Telnet/SSH	Support
WEB Management	Support
Management IP	Support IPv4/IPv6
SNMP	Support SNMPv1/v2c/v3
User Management	Support
System Log	Support
Configuration File Download/Upload	Support
Upgrade Firmware	Support
Environment	
Operating Temperature	Non-PoE: -40°C ~+75°C PoE: -40°C ~+70°C
Storage Temperature	-40°C ~+85°C
Relative Humidity	5%~95% (non-condensing)
Thermal Methods	Fanless design
MTBF	100,000 hours

Mechanical Dimensions	
Product Size	53*115*161mm
Installation Method	DIN-rail
Net Weight	0.9KG around
Packaging Info	20PCS/CTN, Carton Dim. 51*39.5*36cm, 24KGS/CTN
EMC & Ingress Protection	
IP Level	IP40
Surge Protection of Power	IEC 61000-4-5 Level 4 (4KV/2KV) (8/20us)
Surge Protection of Ethernet Port	IEC 61000-4-5 Level 4 (4KV/2KV) (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 Level4 (30A/m)
DIP	IEC 61000-4-11 Level3 (10V)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free Fall	0.5m
Authentication	
Authentication	CE/FCC/RoHS

Dimensions



Ordering Information

PART NO	DESCRIPTION
LA-IS7M-10G0408P-USB	Industrial Managed PoE Switch, 8 x 10/100/1000M RJ45 Port (8 x PoE+, 240w) Uplink 4 x 10G Base-X SFP+ Port, Support Console & USB (SFP+ module excluded)