LA-IS7M2R-10G0408P-U-Z

Industrial Managed PoE Switch 10GE 4xSFP+, GE 8xRJ45 PoE

Support USB for easy upgrading and bring-up

Overview

LA-IS7M2R-10G0408P-U-Z is an innovative and high-performance 10Gigabit Management Industrial PoE Ethernet Switch, certificated with EN55032 Radiated Emission and Conducted Emission Class A. It is customized with USB for easy upgrading and bring-up. The switch supports PoE, through fan-less 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 Recovery Time ≤15ms), greatly improving the flexibility of networking, and enhance the reliability and security of industrial networks.

Features

- Redundant power DC48-58V input with polarity reverse/over-voltage/current protection
- Support USB configuration and upgrading
- Support Layer 2 management function: VLAN/VLAN Classification/QinQ/STP, RSTP,MSTP/Port Mirroring/ DHCP Multicast/ACL/IGMP/QoS/LLDP/802.1X/Dying Gasp/SFP DDM/IPV6/Web/SNMP/Telnet/TFTP management
- Support 6KV surge protection and ESD Air-15kV, Contact-8kV Protection

Specifications

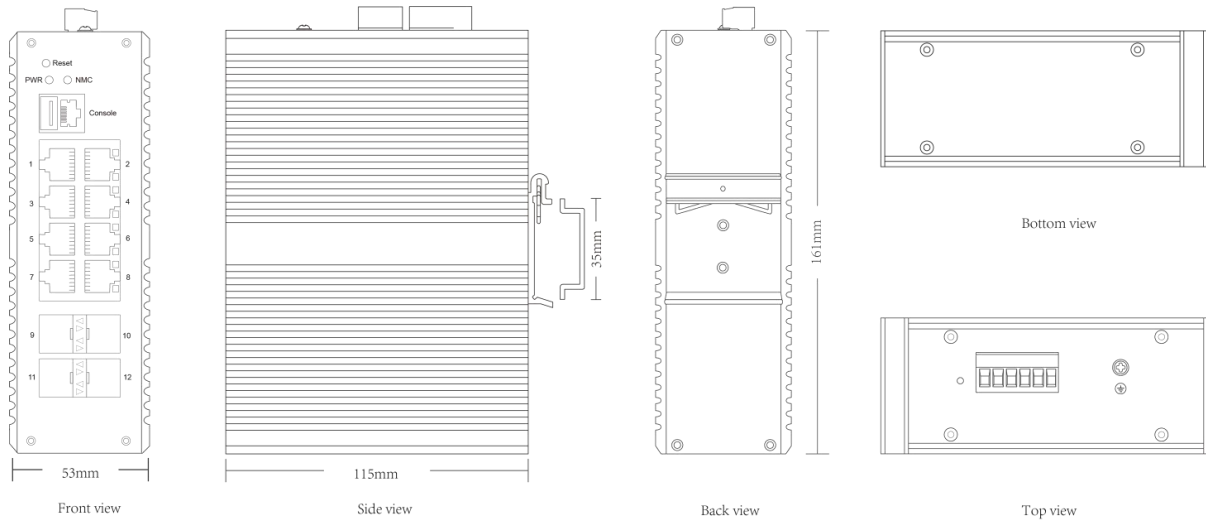| Provider Mode Ports	
Fixed Port	4x1G/2.5G/10G Base-X SFP+, 8x10/100/1000 Base-T PoE
Management Port	Support Console, Support USB
Power Interface	Phoenix terminal, redundant dual power supply
LED Indicators	PWR, Link/ACT LED
Cable Type & Transmission Distance	
Twisted-pair	0-100m (CAT5e, CAT6)
Mono-mode Optical Fiber	20/40/60/80/100KM
Multi-mode Optical Fiber	550m
PoE Support	
PoE	PoE Port: 1-8 PoE Protocol: 802.3af(15.4w/port), 802.3at(30w/port) Pin Assignment: 12+, 36- PoE Management: Support
Electrical Specifications	
Input Voltage	DC48-58V
Total Power Consumption	<260W
Layer 2 Switching	
Switching Capacity	160G
Packet Forwarding Rate	95.23Mpps
MAC Address Table	16K
Buffer	12M
Forwarding Delay	<10us
MDX/MIDX	Support
Flow Control	Support
Jumbo Frame	Support 10Kbytes
Port Aggregation	Support GE port, 2.5GE, 10GE aggregation Support static and dynamic aggregation
Port Features	Support IEEE802.3x flow control, Port traffic statistics, port isolation Support network storm suppression based on port bandwidth percentage
VLAN	Support 4K
VLAN Classification	Mac Based VLAN IP Based VLAN

	Protocol Based VLAN
QinQ	Basic QinQ (Port-based QinQ) Flexible Q in Q(VLAN-based QinQ) QinQ(Flow-based QinQ)
Port Mirroring	Many to one (Port Mirroring)
Spanning Tree	Support STP, RSTP, MSTP
DHCP	DHCP Client DHCP Snooping
Multicast	IGMP snooping
ACL	Support ACL 500 Support IP standard ACL Support MAC expand ACL Support IP expand ACL
QoS	QoS Class, Remarking Support SP, WRR queue scheduling Ingress Port-based Rate-limit Egress Port-based Rate-limit Policy-based QoS
Management and Maintenance	Support LLDP Support user management and login authentication Support SNMPV1/V2C/V3 Support web management, HTTP1.1, HTTPS Support Syslog and alarm grading Support RMON (Remote Monitoring) alarm, event and history record Support NTP Support temperature monitoring Support Ping, Tracert Support optical transceiver DDM function Support TFTP Client Support Telnet Server Support SSH Server Support IPv6 Management Support PoE management Support TFTP, WEB upgrading

Environment

Operating Temperature	-40℃~+75℃
Storage Temperature	-40℃~+85℃
Relative Humidity	5%~95% (non-condensing)
Thermal Methods	Fan-less design, natural heat dissipation
MTBF	100,000 hours
Mechanical Dimensions	

Product Size	53x115x161mm
Installation Method	DIN-rail
Net Weight	0.9KG
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
Certificates	
Certificates	CE/FCC/RoHS/UKCA

Dimension

53mm — Front view

115mm — Side view

35mm

161mm — Back view

Bottom view — Top view

Ordering Information

PART NO	DESCRIPTION
LA-IS7M-10G0408P-USB	Industrial Managed Din-Rail PoE Switch, 8 x 10/100/1000M RJ45 PoE Port Uplink 4 x 10G Base-X SFP+ Port
LA-IS7M-10G0408-USB	Industrial Managed Din-Rail Ethernet Switch, 8 x 10/100/1000M RJ45 Port Uplink 4 x 10G Base-X SFP+ Port

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Specifications & design are subject to change without prior notice.

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