

# 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  $\leq 15\text{ms}$ ), 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

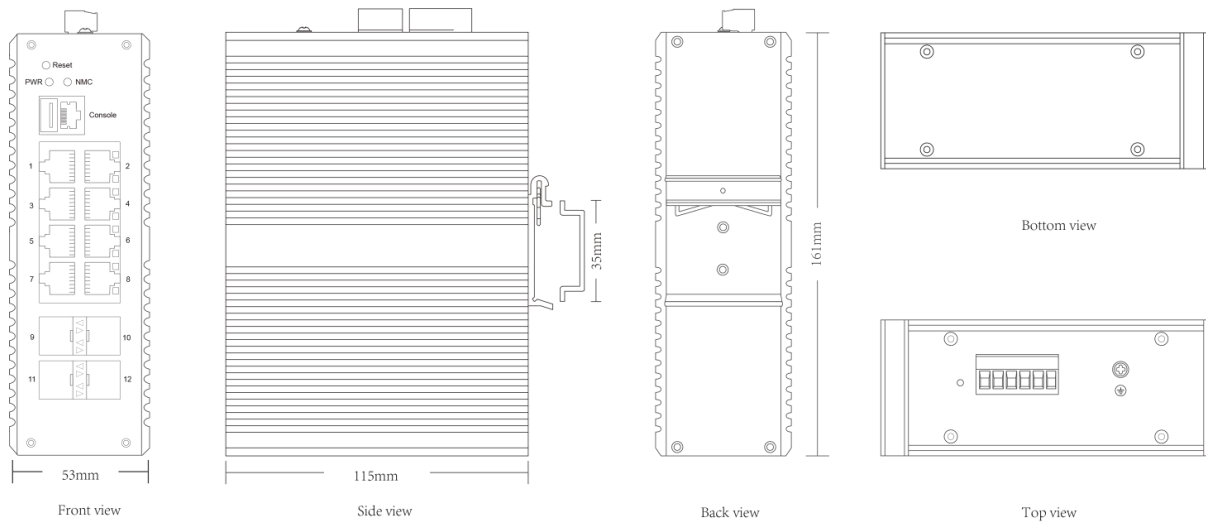
VLAN Support 4K

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 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
Management and Maintenance	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
<b>Environment</b>	
Operating Temperature	-40°C~+75°C
Storage Temperature	-40°C~+85°C
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
<b>EMC &amp; Ingress Protection</b>	
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)
PFFM	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
<b>Certificates</b>	
Certificates	CE/FCC/RoHS/UKCA

## Dimension



## 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



<https://www.lanaotek.com>



Specifications & design are subject to change without prior notice.

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