

LA-IS7M2R-G0408P-CR-Z

Industrial Layer 2+ Managed PoE Switch 8x10/100/1000M RJ45, 4x1000M SFP



Overview

LA-IS7M2R-G0408P-CR-Z, 4-port Gigabit fiber and 8-port 10/100/1000Base-T managed industrial Ethernet switch, featuring a fanless cooling circuit design, wide operating temperature range, and high protection level, provides excellent industrial-grade quality such as high/low temperature resistance and lightning protection. It integrates a variety of rich protocols for switching and security, and supports Ethernet Ring Protection Switching (ERPS) technology, greatly enhancing network flexibility and improving the reliability and security of industrial networks. It is well-suited for deployment in harsh environments such as rail transit, safe city initiatives, intelligent transportation, outdoor surveillance, and other demanding applications.

Features

- Input voltage: DC12-58V(non-PoE); DC48-58V(PoE)
- Operating Temperature: -40°C ~ +75°C
- Shell: IP40 protection, fanless design
- Test Report: RoHS, FCC, CE
- Anti-static: 8KV-15KV
- MTBF: 100,000 Hours

Specifications

Fixed Port	8x10/100/1000M RJ45, 4x1000M SFP
Management Port	1xRJ45 console port
Power Interface	Phoenix terminal, dual power supply redundancy
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 Fibre	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<10W PoE<250W
PoE Support	
PoE Port	1-8
PoE Protocol	802.3af, 802.3at
Pin Assignment	1, 2, 3, 6
PoE Management	Support
Layer 2 Switching	
Switching capacity	56Gbps
Packet Forwarding Rate	17.85Mpps
MAC Address Table	8K
Buffer	4.1M
Forwarding Delay	<10us
MDI/MDIX	Support

VLAN	256
GVRP	Support
Protocol VLAN	Support
Voice VLAN	Support
Surveillance VLAN	Support
MAC VLAN	Support
Ether Channel/ 802 .3ad	Support
LACP	Support
Interface Speed	Support
Duplex Mode	Support
Flow Control	Support
Jumbo Frame	Support
DHCP Client	Support
SNTP Client	Support
Port Statistics	Support
Protected Ports	Support
EEE	Support
ERPS (Ethernet Ring Protection Switching)	Support
LLDP	Support
LLDP 802.1 TLV	Support
MSTP / RSTP / STP	Support
STP BPDU Filter	Support
STP BPDU Guard	Support
STP Port Fast	Support
IGMP Snooping	Support
MLD Snooping	Support
MVR	Support
DHCP	Support
Device Scanning	Support
Layer 3 Function	
IPV4	Support

IPV6	Support
Static Routes IPv4	Support 32
Static Routes IPv6	Support 32
ARP	Support
Loopback Interface	Support
DHCP Server	Support
DNS Server	Support
Convergence	
ACL	Supports MAC standard/extended ACL Supports IPv4 standard/extended ACL Supports IPv6 standard/extended ACL
QOS	Supports QoS remarking Supports port trust Supports port rate limiting Supports egress queue rate limiting Supports SP and WRR scheduling algorithms Supports CoS mapping, DSCP mapping, and IP priority mapping
Management	
User Management	Support
System Log	Support
Upgrade Firmware	Support
Configuration File Download/Upload	Support SNMP V1/V2/V3
SNMP	Support
WEB	Support
CLI	Support
Telnet/SSH	Support
RMON	Support
Security	
Management Channel Configuration	Support
AAA Authentication	Support
802.1X Authentication	Support
MAC-based Authentication	Support
Web-Based authentication	Support
DoS (Denial of Service) Attack Prevention	Support

Dynamic ARP Inspection	Support
DHCP Snooping	Support
IP Source Guard	Support
Port Security	Support
Protected Ports	Support
Storm Control	Support

Equipment diagnosis

RAM	Support
Flash	Support
Port Mirroring	Support
Ping	Support
Trace Route	Support
Port Testing	Support
Optical Module DDM Information	Support
UDLD Protocol	Support

Mechanical Dimensions

Product Size	48X104X143mm
Installation Method	Din-rail
Weight	0.58KG

Environment

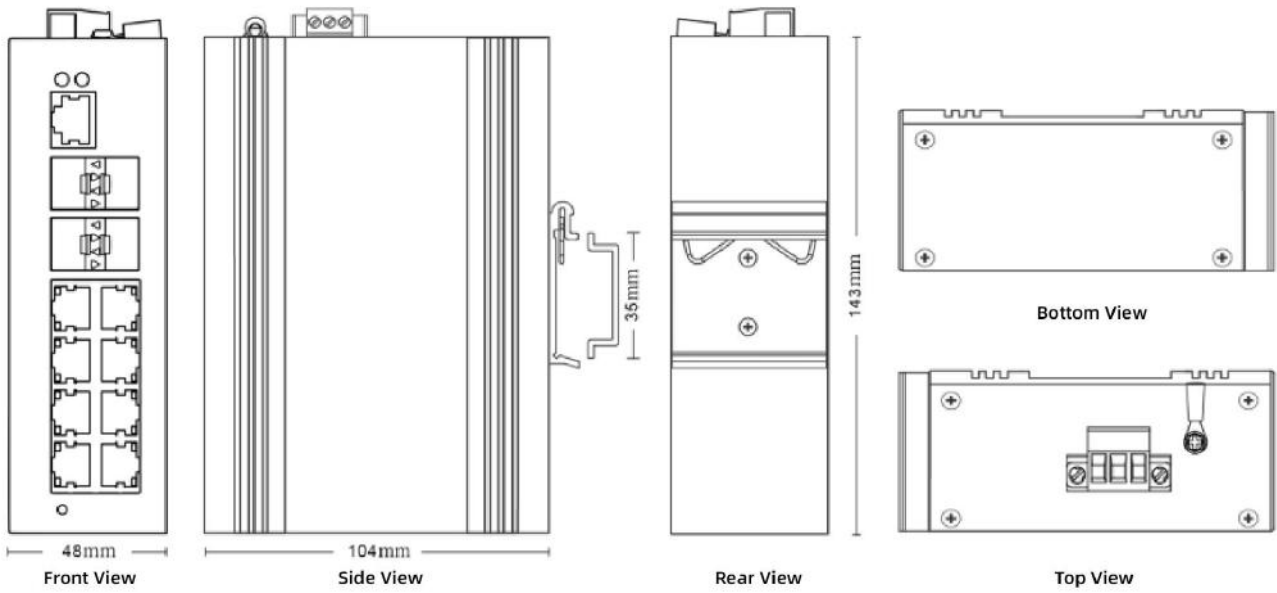
Operating Temperature	-40°C~+75°C
Storage Temperature	-40°C~+85°C
Relative Humidity	5%~95% non-condensing)
Thermal Methods	Fanless design, natural cooling
MTBF	100, 000 hours

EMC & INGRESS PROTECTION

Surge Protection of Power	Common mode 4KV, differential mode 2KV
Surge Protection of Ethernet port	Common mode 4KV, differential mode 2KV
ESD	Contact 8K, air 15K
Free Fall	0.5m

Certification

Dimension



Ordering Information

PART NO	DESCRIPTION
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Specifications & design are subject to change without prior notice.

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