

LA-IS7M2R-F0016-CR-Z

Industrial Managed Switch 16x10/100M RJ45



Overview

LA-IS7M-F0016-CR-Z is a 16-port 10/100Base-TX managed industrial Ethernet fast switch. Through a fan-less heat dissipation circuit design, a wide range of operating temperatures, and a high protection level, it offers exceptional industrial-grade quality with high/low temperature resistance and lightning protection. Moreover, it integrates various rich protocols such as switching and security, and supports Ethernet Ring Protection Switching (ERPS) technology, greatly enhancing network flexibility and strengthening 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 challenging conditions.

Features

- Input Voltage: DC12-58V(non-PoE)
- Operating Temperature: -20°C~+75°C
- Shell: IP40 protection, fan-less design
- Anti-static: 8KV-15KV

Specifications

Fixed Port	16x10/100M RJ45
Management Port	Support console
Power Interface	Phoenix terminal, redundant dual power supply
LED Indicators	PWR, RUN, Link/ACT
Cable Type & Transmission Distance	
Twisted-pair	0-100m (CAT5e, CAT6)
Single Mode Optical Fiber	/
Multimode Optical Fiber	/
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)
Total Power Consumption	<10W(non-PoE)
Layer 2 Switching	
Switching Capacity	3.2G
Packet Forwarding Rate	2.38Mpps
MAC Address Table	8K
VLAN	256
Buffer	4.1M
Forwarding Delay	<5us

MDX/MIDX	Support
Flow Control	Support
GVRP	Support
Protocol VLAN	Support
Voice VLAN	Support
Surveillance VLAN	Support
MAC VLAN	Support
Etherchannel/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	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
IP Source Guard	Support
Device Scan	Support
Layer 3 Function	

IPv4 Management Address	Support
IPv6 Management Address	Support
Static Routes IPv4	Support 32
Static Routes IPv6	Support 32
ARP	Support
Loopback Interface	Support
DHCP Server	Support
DNS Server	Support
Convergence	
ACL	Support ACL 500 Support IP standard ACL Support MAC expand ACL Support IP expand ACL
QoS	Support QoS re-marking Support port trust Support port speed limit Support egress queue speed limit Support SP, WRR scheduling algorithm Support COS mapping, DSCP mapping, IP priority mapping
Management	
User Management	Support
System Log	Support
Upgrade Firmware	Support
Configuration File Download/Upload	Support
SNMP	Support SNMP V1/V2/V3
CLI	Support
WEB Management	Support
Telnet/SSH	Support
RMON	Support
Security	
Managing Channel Configuration	Support
AAA Certification	Support
802.1X Certification	Support
MAC-Based Certification	Support

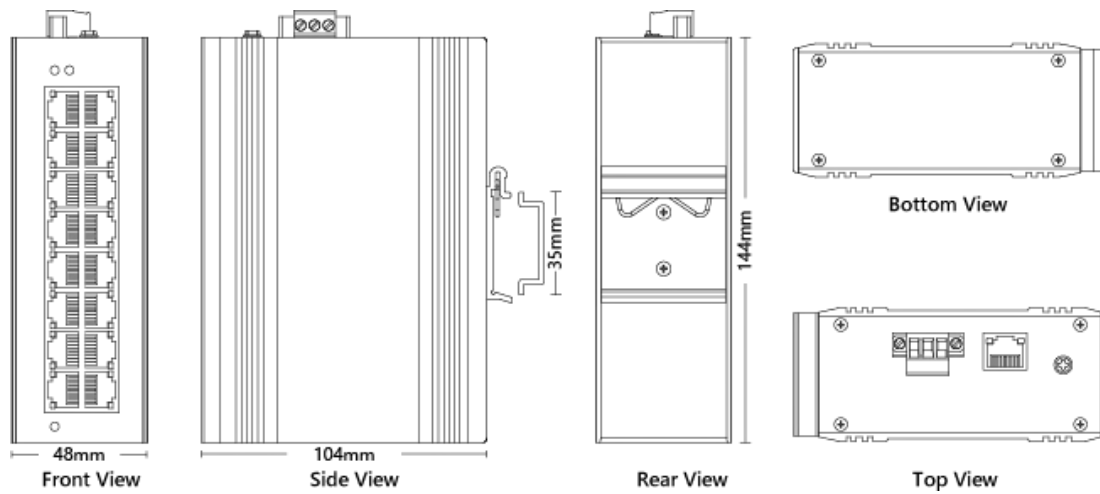
WEB-Based Certification	Support
DoS Attack Prevention	Support
Dynamic ARP Inspection	Support
DHCP Snooping	Support
IP Source Guard	Support
Port Security	Support
Protected Ports	Support
Storm Control	Support
Equipment Diagnosis	
RAM log	Support
Flash log	Support
Port Mirroring	Support 1:1 or M:1
Ping	Support
Traceroute	Support
Copper port test	Support
DDM	Support
UDLD Protocol	Support
Environment	
Operating Temperature	-20°C~+75°C
Storage Temperature	-40°C~+85°C
Relative Humidity	5%~95% (non-condensing)
Thermal Methods	Fan-less design
MTBF	100,000 hours
Mechanical Dimensions	
Product Size	144x104x48mm
Installation Method	DIN-rail
Weight	0.6KG
EMC & Ingress Protection	
Surge Protection of Power	Common mode 4KV, differential mode 4KV
Surge Protection of Ethernet port	Common mode 4KV, differential mode 4KV
ESD	Contact 8K, air 15K

Free Fall	0.5m
-----------	------

Certification

Certificates	CE, FCC, RoHS
--------------	---------------

Dimension



Ordering Information

PART NO	DESCRIPTION
LA-IS7M2R-F0016-CR-Z	Industrial L2+ Managed Ethernet Switch 16x10/100M RJ45



<https://www.lanaotek.com>



Specifications & design are subject to change without prior notice.

For more details, please email to info@lanaotek.com. Copyright©2024 lanaotek.com All Rights Reserved