LA-IS7M-FFG040416(P)-Z

Industrial Managed (PoE) Switch 16x10/100M Base-TX RJ45

4x1000M Base-X, 4x100M Base-FX

Overview

LA-IS7M-FFG040416(P)-Z is Industrial Managed Ethernet Switch support 4x1000M Base-X, 4x100M Base-FX, 16x10/100Base-T, support 802.3af/at PoE/PoE+, with fan-less cooling circuit design, wide range working environment temperature, high protection level, lightning protection, integrated switching, safety and various rich protocols. The multi ring protection technology (ERPS) has greatly enhanced the flexibility of the network and enhanced the reliability and security of the industrial network. It can 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)
- Operating Temperature: -40℃~+75℃(non-PoE), -40℃~+70℃(PoE)
- Shell: IP40 protection, fan-less design
- Anti-static: 8KV-15KV

Specifications

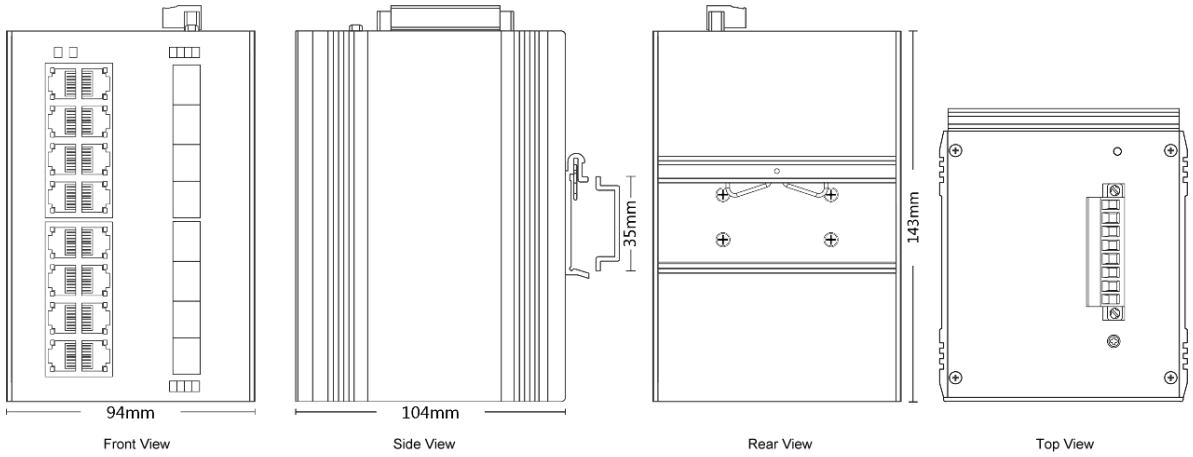
Fixed Port	16x10/100M Base-TX RJ45, 4x1000M Base-X, 4x100M Base-FX
Management Port	Support console
Power Interface	Phoenix terminal, redundant dual power supply
LED Indicators	PWR, Link/ACT LED
Cable Type & Transmission Distance	
Twisted-pair	0-100m (CAT5e, CAT6)
Single Mode Optical Fiber	20/40/60/80/100KM
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	DC12-58V(non-PoE)/DC48-58V(PoE)
Total Power Consumption	<26W(non-PoE), <386W(PoE)
PoE Optional	
PoE Port	1-16
PoE Protocol	802.3af, 802.3at
Pin Assignment	1,2,3,6
PoE Management	Support
Layer 2 Switching	
Switching Capacity	68G
Packet Forwarding Rate	50.59Mpps

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/Tracert Detection	Support
Dying Gasp	Support
DDM	Support
Port Security	Support
IP Source Guard	Support
Device Scan	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 engress 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	-40℃~+75℃(non-PoE), -40℃~+70℃(PoE)
Storage Temperature	-40℃~+85℃
Relative Humidity	5%~95% (non-condensing)
Thermal Methods	Fan-less design
MTBF	100,000 hours
Mechanical Dimensions	
Product Size	94*104*143mm
Installation Method	DIN-rail
Weight	1KG
EMC & Ingress Protection	
IP Level	IP40
Surge Protection of Power	IEC 61000-4-5 Level X(6KV/6KV) (8/20us)
Surge Protection of Ethernet Port	IEC 61000-4-5 Level 4(4KV/4KV) (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 Level 4(30A/m)

DIP	IEC 61000-4-11 Level 3(10V)
ESD	IEC 61000-4-2 Level 4(8K/15K)
Free Fall	0.5m
Certification	
Certificates	CE/FCC/RoHS

Dimension



Ordering Information

PART NO	DESCRIPTION
LA-IS7M-FFG040416-Z	Industrial Managed Ethernet Switch 16x10/100M Base-TX RJ45, 4x1000M Base-X, 4x100M Base-FX
LA-IS7M-FFG040416P-Z	Industrial Managed PoE Ethernet Switch 16x10/100M Base-TX RJ45(PoE), 4x1000M Base-X, 4x100M Base-FX

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