

LA-IS8M-G1216

12*1000 Base-X, 16*10/100/1000 Base-T Managed Industrial Switch (PoE Optional)

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LA-XXX/LAM-XXX Series

For LA-XXX Series



For LA-XXX Series

Introduction

This LA-IS8M-G1216, management industrial Ethernet fast switch, PoE is optional, providing excellent industrial quality such as high/low temperature resistance, lightning protection, etc., through the design of fanless cooling circuit, wide range working environment temperature, high protection grade and other technologies. Besides, various rich protocols, such as integrated switching and security, support public Ethernet multi-ring protection technology (ERPS), greatly improve network flexibility and enhance the reliability and security of industrial networks.

It can also meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.

Features

- **Input Voltage:** DC: 36~75V/AC: 100~240V 50/60Hz
- **Shell:** IP40 protection, fanless design
- **Anti-static:** 8KV-15KV
- **Operating Temperature:** -40°C ~ +75°C
- **Test Report:** CCC, RoHS, FC, CE
- **MTBF:** 100000 Hours

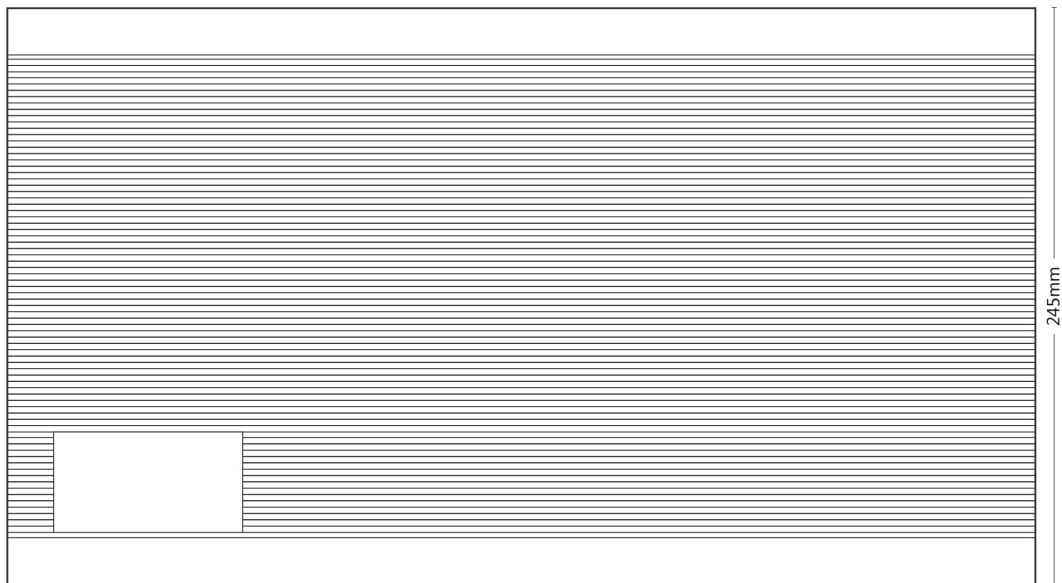
Specification

PART NO	LA-IS8M-G1216
Provider Mode Ports	
Fixed Port	12*1000 Base-X, 16*10/100/1000 Base-T
Management Port	Support console
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 Fiber	550m
Network Topology	
Ring Topology	Support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Hybrid Topology	Support
Electrical Specifications	
Input Voltage	DC36-75V/AC 100-240V 50-60HZ
Total Power Consumption	Non POE <36W, with POE<276W
PoE Support	
PoE Port	1-16
PoE Protocol	802.3af, 802.3at
Pin Assignment	1,2,3,6
PoE Management	Support
Layer 2 Switching	
Switching Capacity	160G
Packet Forwarding Rate	95.23Mpps
MAC Address Table	16K
VLAN	Support 4K
Buffer	12M
Forwarding Delay	<10us
MDX/MIDX	Support
Flow Control	Support
Jumbo Frame	10Kbytes
Spanning Tree	Support STP/RSTP/MSTP
Ring Protocol	Support ERPS

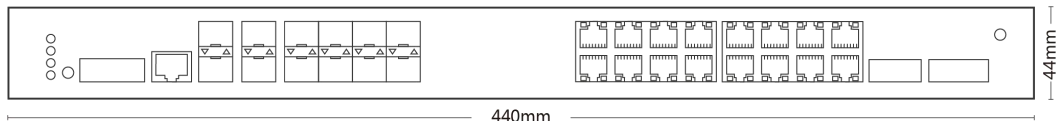
Link Aggregation	Support 12 group
Multicast	Support IGMP Snooping
Port Mirroring	Support
Storm Control	Support
Interface Counters	Support
QINQ	Support
802.1X	Support
Radius/Mac Authentication	Support
Layer 3 Route	
Static Route	Support 256 static route
Convergence	
ACL	Support ACL 500 Support IP standard ACL Support MAC expand ACL Support IP expand ACL
QOS	Support QoS re-marking, priority mapping Support SP, WRR queue scheduling Support egress rate-limited, egress rate-limit Support Policy-based QoS
Management	
CLI	Support
Console	Support
Telnet	Support
WEB Management	Support
SNMP	Support SNMPv1/v2c
User Management	Support
System Log	Support
Configuration File Download/Upload	Support
Upgrade Firmware	Support
Environment	
Operating Temperature	-40℃~+75℃
Storage Temperature	-40℃~+75℃
Relative Humidity	5%~95% (non-condensing)
Thermal Methods	Fanless, natural cooling
MTBF	100,000 hours
Mechanical Dimensions	
Product Size	440*245*44mm (W×H×D)
Installation Method	Rack mounted
Weight	3.6KG around
EMC & Ingress Protection	

IP Level	IP40
Surge Protection of Power	IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us)
Surge Protection of Ethernet Port	IEC 61000-4-5 Level 3 (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)
EMI	CLASS A
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free Fall	0.5m
Authentication	
Authentication	CCC/CE/FCC/RoHS

■ Dimensions



Rear view



Front view

■ Ordering Information

PART NO	DESCRIPTION
LA-IS8M-G1216	12*1000 Base-X, 16*10/100/1000 Base-T DC power supply

■ Accessories

PART NO	DESCRIPTION
LA-IS8M-G1216	equipment, terminals, power adapter(optional), instructions, product certification