

# LA-IS8M-10G0424P-USB

10G Base-X, 24x10/100/1000 Base-T PoE Managed Industrial Switch



## Introduction

LA-IS8M-10G0424P-USB is an innovative Management Industrial Ethernet PoE Switch, support 24 x 10/100/1000 Base-T RJ45 port (24xPoE), and 4 x 10GBase-X SFP+ optical fiber port, 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 is customized with USB for easy upgrading and bring-up.**

The switch uses high performance Marvell mainchip 98DX226S, PHY 88E1685, and PSE chip RTL8238B-VB-GR. It can better 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:** RoHS, FC, CE
- **MTBF:** 100000 Hours

## Specifications

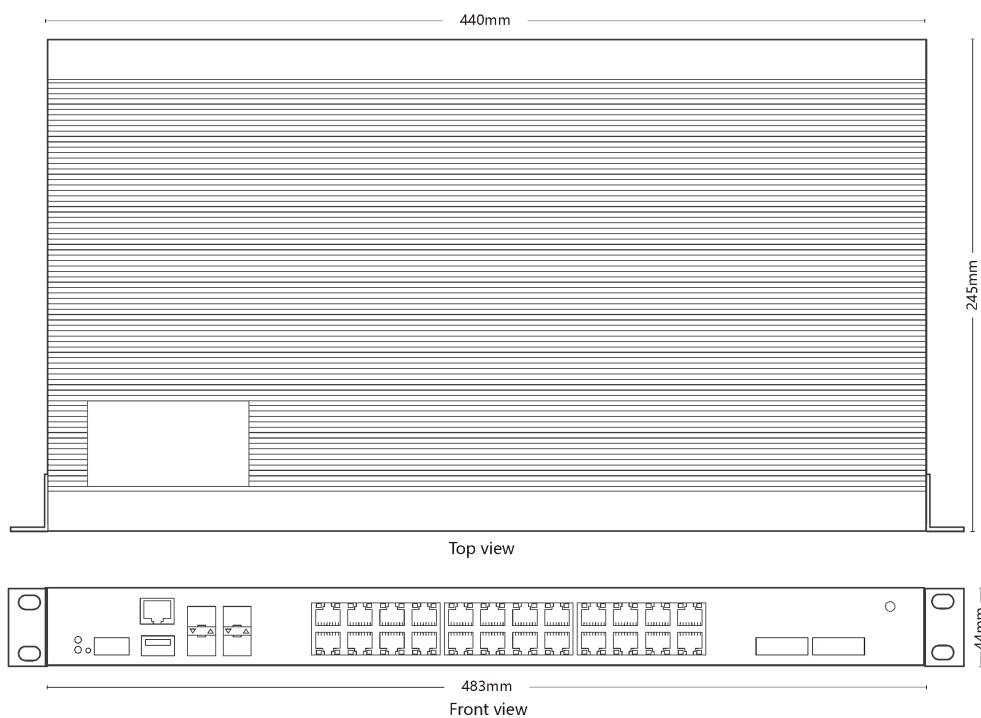
PART NO	LA-IS8M-10G0424P-USB
Provider Mode Ports	
Fixed Port	4 x 10G Base-X, 24 x 10/100/1000 Base-T
Management Port	Support console
Power Interface	Phoenix terminal, dual power supply redundancy
LED Indicators	PWR, Link/ACT LED
Cable Type & Transmission Distance	
Twisted-pair	0-100m (CAT5e, CAT6)

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 < 400W
PoE Support	
PoE Port	1-24
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/v3
User Management	Support
System Log	Support
Configuration File Download/Upload	Support
Upgrade Firmware	Support
Environment	
Operating Temperature	-40°C ~ + 75°C
Storage Temperature	-40°C ~ + 75°C
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
Warranty	
Warranty	3 years
Authentication	
Authentication	CE/FCC/RoHS

## ■ Dimensions



## ■ Ordering Information

PART NO	DESCRIPTION
LA-IS8M-10G0424P-USB	4x10G Base-X, 24x10/100/1000 Base-T PoE Managed Industrial Switch Support USB, Dual Power Input DC 36~ 75V/AC 100~ 240V 50/60Hz
LA-IS8M-10G0424-USB	4x10G Base-X, 24x10/100/1000 Base-T Managed Industrial Switch Support USB, 400W PoE Budget, Dual Power Input DC 36~ 75V/AC 100~ 240V 50/60Hz