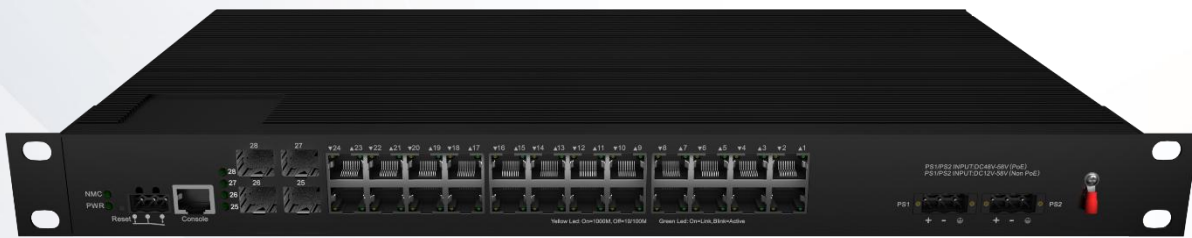# LA-IS8M-G0424P-2DC-Z

Industrial Rackmount L2 Managed PoE Switch 24x10/100/1000M RJ45, Uplink 4x1G SFP

Overview

LA-IS8M-G0424P-2DC-Z is a managed industrial Ethernet switch featuring 4x 1G optical ports and 16x10/100/1000Base-T ports, with PoE supported via DC power. Built for industrial-grade performance, it offers high/low-temperature resistance, lightning protection, and a fan-less heat dissipation design, ensuring reliable operation across a wide temperature range and harsh conditions. Equipped with advanced protocols for switching and security, it supports Ethernet Ring Protection Switching (ERPS), greatly enhancing network flexibility, reliability, and security. This makes it ideal for deployment in rail transit, smart cities, intelligent transportation, outdoor monitoring, and other demanding environments.

Features

- Input voltage: DC12-58V(non-PoE), DC48-58V(PoE)
- Operating Temperature: -40℃ ~ +75℃
- Shell: IP40 protection, fan-less design
- Anti-static: 8KV-15KV
- MTBF: 100000 Hours

Specifications

Provider Mode Ports	
Fixed Port	4x1000Base-X, 24x10/100/1000Base-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)
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	<25W(non-PoE), <385W(PoE)
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	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	10Kbytes
Spanning Tree	Support STP/RSTP/MSTP
Ring Protocol	Support ERPS
Link Aggregation	Support 12 groups
Multicast	Support IGMP Snooping
Port Mirroring	Support
Storm Control	Support
Interface Counters	Support
QINQ	Support
802.1X	Support
Radius/MAC Authentication	Support
Port Isolation	Support
RMON	Support
NTP Client	Support
DHCP Client	Support
DHCP Snooping	Support
Ping/Tracert	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℃
Storage Temperature	-40℃~+75℃
Relative Humidity	5%~95% (non-condensing)
Thermal Methods	Fan-less, natural cooling
MTBF	100,000 hours
Mechanical Dimensions	
Product Size	440x245x44mm
Installation Method	Rackmount
Weight	3.6KG
EMC & Ingress Protection	
IP Level	IP40
Surge Protection of Power	DC: IEC 61000-4-5 Level X (8KV/8KV) (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 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

Dimensions

Top View

Front View

245mm

45mm

440mm
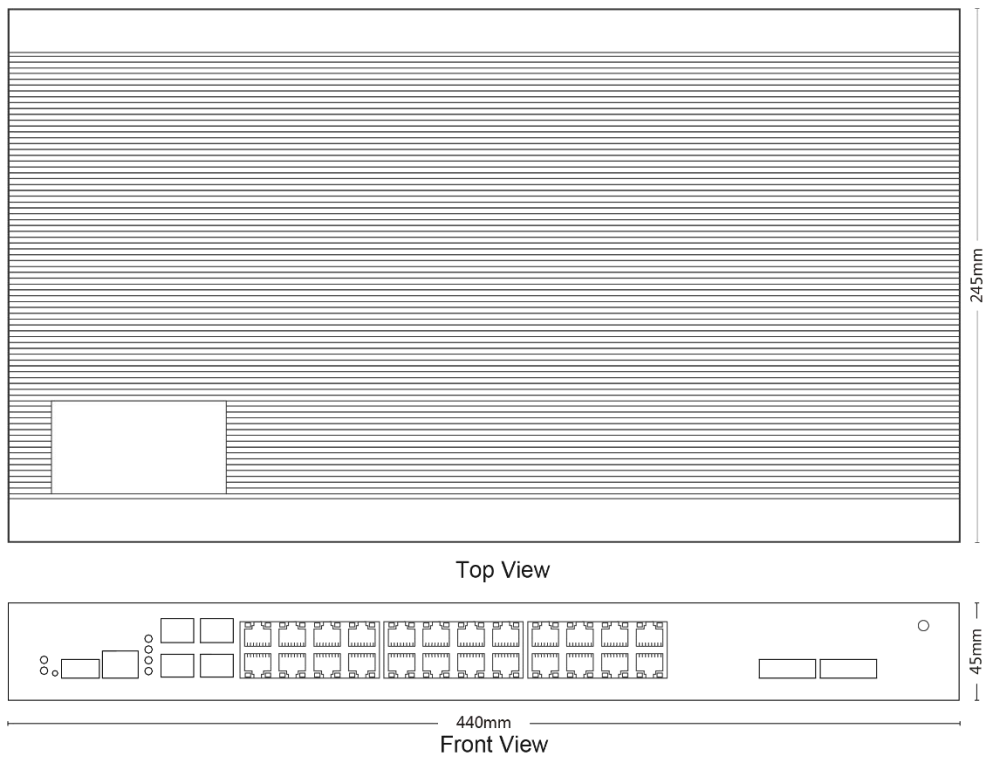
Ordering Information

P/N	Description
LA-IS8M-G0424P-2DC-Z	Industrial Rackmount L2 Managed PoE Switch 24x10/100/1000M RJ45, Uplink 4x1G SFP DC12-58V(non-PoE), DC48-58V(PoE)

https://www.lanaotek.com

Specifications & design are subject to change without prior notice.

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