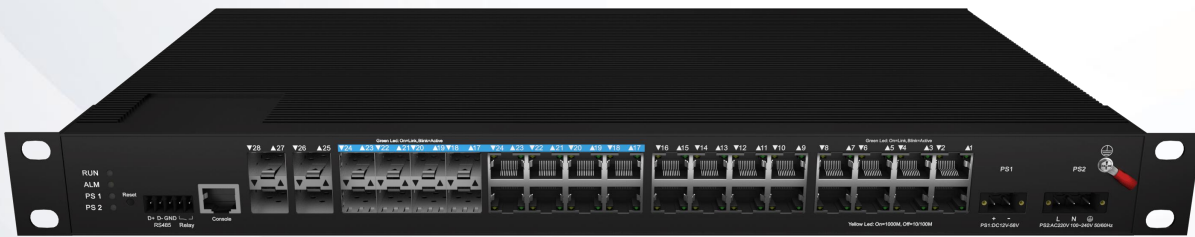


# LA-IS8M3-G04C0816

Industrial Rackmount L3 Managed Ethernet Switch

16x10/100/1000M RJ45, 8x1000M Combo, 4x1000M SFP



## Overview

LA-IS8M3-G04C0816-AD-Z is L3 managed industrial Ethernet fast switch, features 4 Gigabit optical ports, 8 Gigabit combo ports, and 16x10/100/1000Base-X ports. It supports PoE only in DC mode. The switch offers exceptional industrial-grade quality, including resistance to high and low temperatures, lightning protection, and fan-less heat dissipation circuit design. It operates in a wide range of temperatures and has a high protection level, making it suitable for various harsh environments.

Additionally, the switch integrates a variety of rich protocols, including switching and security features. It supports Ethernet Ring Protection Switching (ERPS), significantly enhancing networking flexibility and improving the reliability and security of industrial networks. This makes it ideal for deployment in rail transit, safe cities, intelligent transportation, outdoor monitoring, and other demanding applications.

## Features

- Input voltage: DC12~58V, AC100~240V 50/60Hz
- Operating Temperature: -40°C ~ +75°C
- Shell: IP40 protection, fan-less design
- Anti-static: 8KV-15KV
- MTBF: 100000 Hours

## Specifications

### Provider Mode Ports

Fixed Port	4x1000Base-X, 8x1000M combo, 16x10/100/1000Base-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)
Mono-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, AC100~240V 50/60HZ
Total Power Consumption	<36W(non-PoE);

### 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 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
<b>Layer 3 Function</b>	
Static Routing	Support 1K static routing
ARP	ARP entry aging
Equal-cost Routing	Equal-cost routing
	Configurable maximum next-hop number of ECMP
	Support traffic balancing configuration
VRRP	Virtual Router Redundancy Protocol
RIP	Support
OSPFv2	Support
DHCP server	Support
<b>Convergence</b>	

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
<b>Management</b>	
CLI	Support
Console	Support
Management IP	Support IPv4/IPv6
Telnet/SSH	Support
WEB Management	Support
SNMP	Support SNMPv1/v2c/v3
User Management	Support
System Log	Support
Configuration File Download/Upload	Support
Upgrade Firmware	Support
<b>Environment</b>	
Operating Temperature	-40°C~+75°C
Storage Temperature	-40°C~+75°C
Relative Humidity	5%~95% (non-condensing)
Thermal Methods	Fan-less, natural cooling
MTBF	100,000 hours
<b>Mechanical Dimensions</b>	
Product Size	440x245x44mm
Installation Method	Rackmount
Weight	3.6KG
<b>EMC &amp; Ingress Protection</b>	
IP Level	IP40
Surge Protection of Power	AC: IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us) 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 Level4(30A/m)

DIP IEC 61000-4-11 Level3 (10V)

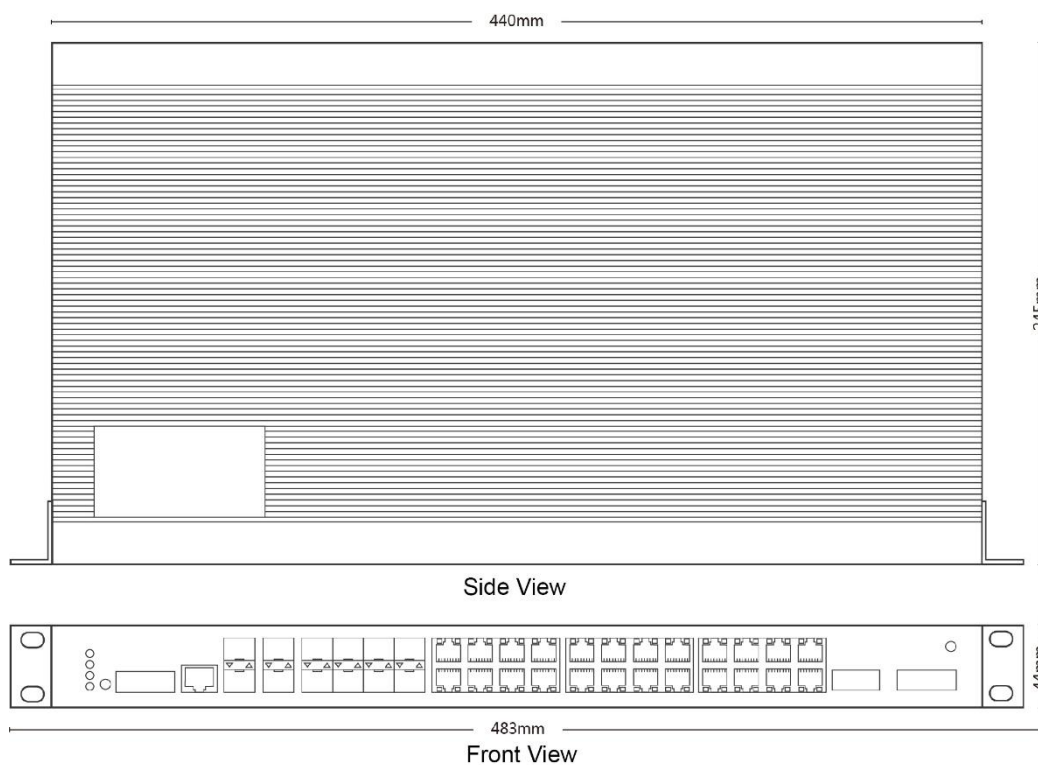
ESD IEC 61000-4-2 Level 4 (8K/15K)

Free Fall 0.5m

**Certification**

Certificates CE/FCC/RoHS


**Dimensions**



**Ordering Information**

P/N	Description
LA-IS8M3-G04C0816-AD-Z	Industrial Rackmount L3 Managed Ethernet Switch 16x10/100/1000M RJ45, 8x1000M Combo, 4x1000M SFP DC12-58V, AC100~240V 50/60HZ



<https://www.lanaotek.com> 

Specifications & design are subject to change without prior notice.

For more details, please email to [info@lanaotek.com](mailto:info@lanaotek.com). Copyright©2024 lanaotek.com All Rights Reserved