

# **IRSL3LM-04X48GP-2D-Z8**

Rackmount Industrial L3 Lite Managed PoE Switch  
48x10/100/1000M RJ45 PoE+, Uplink 4x10G SFP+



## **Overview**

The Rackmount Industrial L2 Managed PoE Switch features 48x10/100/1000M RJ45 PoE+ ports for high-power device connectivity and 4x10G SFP+ uplinks for high-speed backbone links. Designed for harsh environments, it offers advanced L2 management, robust PoE+ support (30W per port), and industrial-grade durability. With fan-less cooling circuit design, wide range working temperature -40 ° C to +75 ° C, lightning protection, integrated switching, it delivers robust networking for mission-critical applications in harsh environments. With rich protocols, ERPS has greatly enhanced the flexibility of the network and enhanced the reliability and security of the industrial network. It ensures reliable, high-performance connectivity with enhanced security and QoS features.

## **Features**

- Input Voltage: Redundant DC48-58V input
- Operating Temperature: -40°C ~ +75°C
- Shell: IP40 protection, fanless design
- Test Report: RoHS, FCC, CE
- Anti-static: 8KV-15KV
- MTBF: 100,000 Hours

## Specifications

Fixed Port	48x10/100/1000M RJ45, 4x10G SFP+
Management Port	1xRJ45 console port
Power Interface	Phoenix terminal, redundant dual power supply
LED Indicators	PWR, Link/ACT LED
<b>Cable Type &amp; Transmission Distance</b>	
Twisted-pair	0-100m (CAT5e, CAT6)
Single Mode Optical Fiber	20/40/60/80/100KM
Multimode Optical Fiber	550m
<b>Network Topology</b>	
Ring Topology	Support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Hybrid Topology	Support
<b>Electrical Specifications</b>	
Input Voltage	Redundant DC48-58V input
Total Power Consumption	PoE<400w
<b>PoE Interface</b>	
PoE Port	1-48
PoE Protocol	IEEE802.3af PoE 15.4w IEEE802.3at PoE+ 30w
Pin Assignment	1, 2+, 3, 6-
PoE Management	Support
<b>Layer 2 Switching</b>	
Switching Capacity	336G
Packet Forwarding Rate	144Mpps
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 64 groups
Multicast	Support IGMP Snooping
Port Mirroring	Support SPAN and RSPAN
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
<b>Layer 3 Function</b>	
Static Routes IPv4/IPv6	Support 256
ARP	ARP entry aging
DHCP Server	Support
<b>Convergence</b>	

ACL	Support ACL 240
	Support IP standard ACL/ACLv6
	Support MAC expand ACL/ACLv6
	Support IP expand ACL/ACLv6
QoS	Support QoS re-marking, priority mapping
	Support SP, WRR queue scheduling
	Support ingress rate-limited, egress rate-limit
	Support Policy-based QoS
DDoS Attack	Support
<b>Management</b>	
CLI	Support
Console	Support
Telnet/SSH	Support
WEB Management	Support
IP Management	Support IPV4/IPV6
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 design
MTBF	100,000 hours
<b>Mechanical Dimensions</b>	
Product Size	440*245*44mm
Installation Method	Rack mount
Net Weight	3.8KG
<b>EMC &amp; Ingress Protection</b>	
IP Level	IP40
Surge Protection of Power	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**

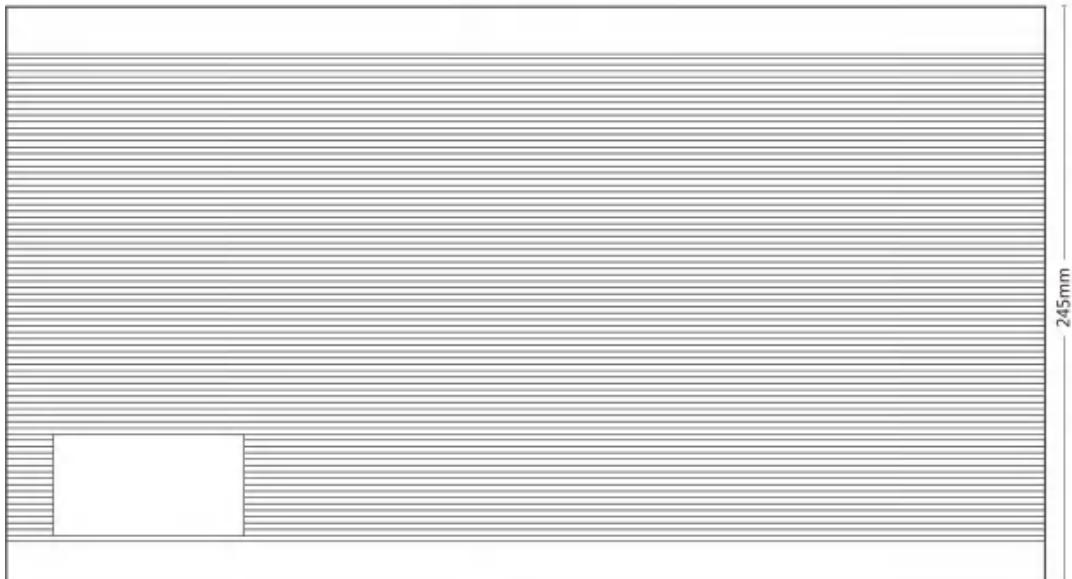
Certificates	CE/FCC/RoHS
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**Warranty**

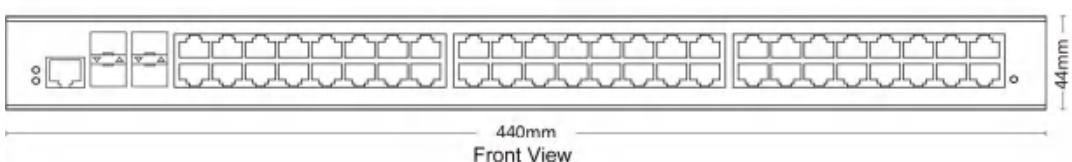
Warranty	3-Year
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**Dimension**

Back View



Top View



Front View

## Ordering Information

PART NO	DESCRIPTION
IRSL3LM-04X48GP-2D-Z8	Rackmount Industrial L3 Lite Managed PoE Switch 48x10/100/1000M RJ45 PoE+, Uplink 4x10G SFP+ Redundant DC48-58V input



<https://www.lanaotek.com>



Specifications & design are subject to change without prior notice.

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