

LA-IS4N-G0104P-Z

Industrial Switch 1xGigabit SFP, 4x10/100/1000Base-T PoE



Overview

LA-IS4N-G0104P-Z Industrial Ethernet Gigabit PoE Switch, is fan-less and energy-saving design, provide reliable power solution for SMBs deploying Power over Ethernet networks. It is small, convenient and easy to maintain and offers high reliability and security to guarantee the continuous industrial operation in harsh environments from -40°C ~ $+75^{\circ}\text{C}$, such as control cabinet of transportation, factory floors, outdoors, or other low or high temperature environments.

Features

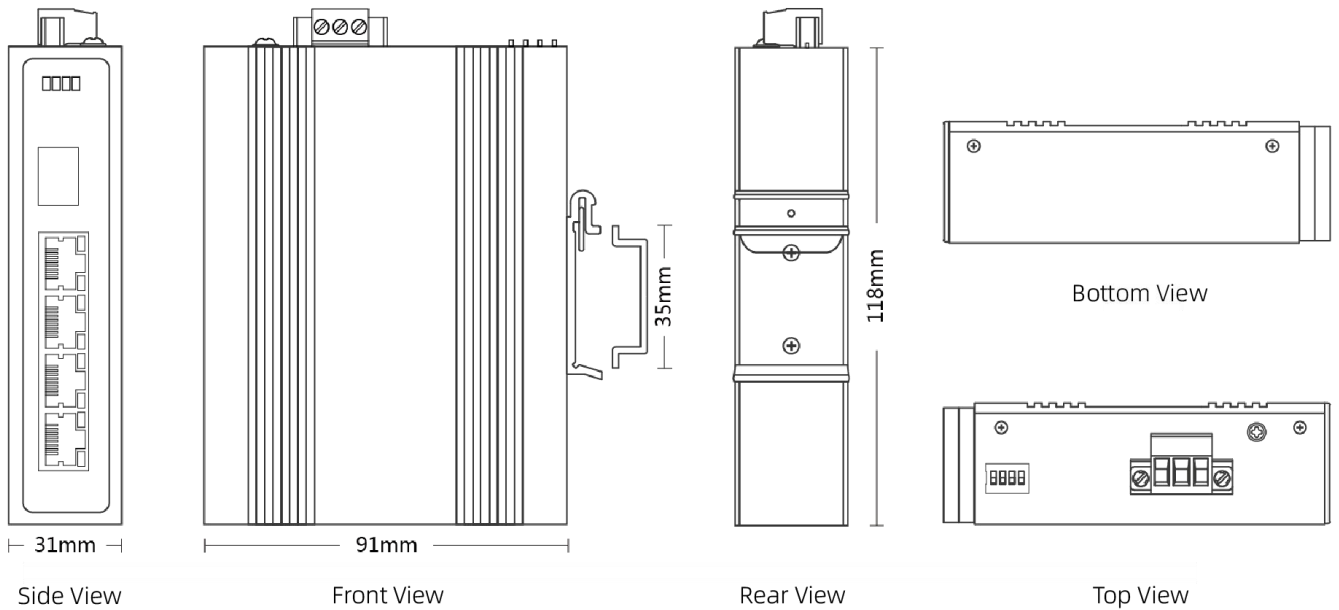
- Complies with the IEEE 802.3, IEEE 802.3u, IEEE 802.3af, IEEE 802.3at
- Auto-MDI/MDI-X detection and negotiation in half/full-duplex modes for 10/100/1000Base-TX RJ-45 port
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- Supports packet size of up to 10K bytes
- Robust IP40 protection, fan-less design, high/low temperature resistance -40°C ~ $+75^{\circ}\text{C}$
- DC48V-58V input
- CSMA/CD protocol
- Automatic source address learning and aging

Specifications

Provider Mode Ports	
Fixed Port	1*1000Base-X, 4*10/100/1000Base-T
Power Interface	Phoenix terminal, Dual power input
LED Indicators	PWR, Link/ACT LED
DIP (non-PoE)	
1	QoS
2	Storm Suppression
3	Port Isolation
4	Flow Control
DIP (PoE)	
1	Remote PD Reset
2	250m Extension
3	Port Isolation
4	Flow Control
Cable Type & Transmission Distance	
Twisted-pair	0-100m (CAT5e, CAT6)
Mono-mode Optical Fiber	20/40/60/80/100KM
Multi-mode Optical Fiber	550m
Network Topology	
Ring Topology	Not support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Hybrid Topology	Support
Electrical Specifications	
Input Voltage	DC12-58V; PoE DC48-58V
Total Power consumption	<5W(non-PoE), <125W(PoE)
PoE Support	
PoE Port	1-4

PoE Standard	802.3af, 802.3at
Pin Assignment	1, 2+, 3, 6-
Layer 2 Switching	
Switching Capacity	12Gbps
Packet Forwarding Rate	8.92Mpps
MAC Address Table	2K
Buffer	1M
Forwarding Delay	<5us
MDX/MIDX	Support
Jumbo Frame	Support 9K bytes
Environment	
Operating Temperature	-40°C~+75°C
Storage Temperature	-40°C~+75°C
Relative Humidity	10%~90% (non-condensing)
Thermal Methods	Fan-less design, natural heat dissipation
MTBF	100,000 hours
Mechanical Dimensions	
Product Size	118x91x31mm
Installation Method	Din-Rail
Net Weight	0.4KG
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)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Certification	
Certificates	CE, FCC, RoHS


Dimensions



Ordering Information

P/N	Description
LA-IS4N-G0104P-Z	Unmanaged Industrial Gigabit PoE Switch 1x1000M SFP, 4x10/100/1000M RJ45 PoE
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Specifications & design are subject to change without prior notice.
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