LA-IS7M2-G0101

# 1\*1000Base-X, 1\*10/100/1000Base-T Managed Industrial Ethernet Switch (PoE Optional)

***Highlight Information***

LA-XXX/LAM-XXX Series

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For LA-XXX Series

For LA-XXX Series



**Introduction**

This device is a Gigabit light & 1 10/100/1000 Base-T managed industrial Ethernet fast switch, providing high resistance by fanless cooling circuit design, wide range of working environment temperature, high protection level and other technologies. Excellent industrial quality such as low temperature and lightning protection; and a variety of rich protocols such as integrated switching and security, which enhance the reliability and safety of industrial networks.

It can better meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.

**Features**

**Input Voltage:** DC12~58V **Operating Temperature:** -40℃ ~ +75℃

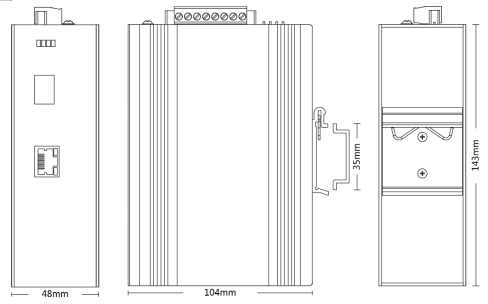
**Shell:** IP40 protection, fanless design **Test Report:** CCC, RoHS, FC, CE, ISO

**Anti-static:** 8KV-15KV **MTBF:** 100000 Hours

**Specifications**

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| PART NO | LA-IS7M2-G0101 |
| Provider Mode Ports | |
| Fixed Port | 1\*1000 Base-X, 1\*10/100/1000 Base-T |
| Management Port | Support console |
| Power Interface | Phoenix terminal, redundant dual |
| LED Indicators | PWR, Link/ACT LED |
| Reset | Dial reset |
| Dialing Instructions | |
| 1 C/D | Reserved |
| 2 LGY | Standard/non-standard PoE selection |
| 3 VLAN | Reserved |
| 4 RST | Reset & restore factory |
| 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 | Unsupported |
| Star Topology | Support |
| Bus Topology | Support |
| Tree Topology | Support |
| Hybrid Topology | Support |
| Electrical Specifications | |
| Input Voltage | DC12-58V |
| Total Power Consumption | <6W |
| Voltage Alarm | Support |
| PoE (Support Optional） | |
| PoE Port | 1-4 |
| PoE Protocol | 802.3af，802.3at |
| Pin Assignment | 1,2,3,6 |
| PoE Management | Support |
| Layer 2 Switching | |
| Switching Capacity | 14G |
| Packet Forwarding Rate | 10.416Mpps |
| MAC Address Table | 8K |
| VLAN | Support 64K |
| Buffer | 1M |
| Forwarding Delay | <5us |
| MDX/MIDX | Support |
| Flow Control | Support |
| Jumbo Frame | 10Kbytes |
| Interface Counters | Support |
| WatchDog | Support |
| LFP | Support |
| Management | |
| Console | Support |
| Telnet | Unsupported |
| WEB | Support |
| SNMP | Support |
| SSH | Unsupported |
| Environment | |
| Operating Temperature | -40℃~+75℃ |
| Storage Temperature | -40℃~+75℃ |
| Relative Humidity | 5%~95% （non-condensing） |
| Thermal Methods | Fanless, natural cooling |
| MTBF | 100,000 hours |
| Mechanical Dimensions | |
| Product Size | 143X104X48mm (W×H×D) |
| Installation Method | DIN-rail |
| Weight | 0.6KG 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） |
| ESD | IEC 61000-4-2 Level 4 （8K/15K） |
| Free Fall | 0.5m |
| Authentication | |
| Authentication | CCC/CE/FCC/RoHS |

**Dimensions**

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Front view Side view Back view

**Ordering Information**

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| PART NO | DESCRIPTION |
| LA-IS7M2-G0101 | 1\*1000Mbps SFP Port, 1\*10/100/1000M RJ45 Port |
| LA-IS7M2-G0101-SC | 1\*1000Mbps SC Port, 1\*10/100/1000M RJ45 Port |
| LA-IS7M2-G0101-FC | 1\*1000Mbps FC Port, 1\*10/100/1000M RJ45 Port |
| LA-IS7M2-G0101-ST | 1\*1000Mbps ST Port, 1\*10/100/1000M RJ45 Port |

**Accessories**

|  |  |
| --- | --- |
| PART NO | DESCRIPTION |
| LA-IS7M2-G0101 | device, terminals, specification, certificate  adapter(optional) |