LA-IS7M2-G0424

# 4\*1000Base-X, 24\*10/100/1000Base-T Managed Industrial Ethernet Switch (PoE Optional)

***Highlight Information***

LA-XXX/LAM-XXX Series

For LA-XXX Series

For LA-XXX Series



**Introduction**

This device is equipped with 4 1000Base-X & 24 10/100/1000Base-T Ethernet port-managed industrial Ethernet fast switch. It is designed with fanless cooling circuit design, wide operating temperature range and high protection level. Excellent industrial grade quality such as high/low temperature and lightning protection; and integrated protocols such as exchange and security, and support for public Ethernet multi-ring protection technology (ERPS), which greatly enhances network flexibility and enhances industry. Network reliability and security.

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℃

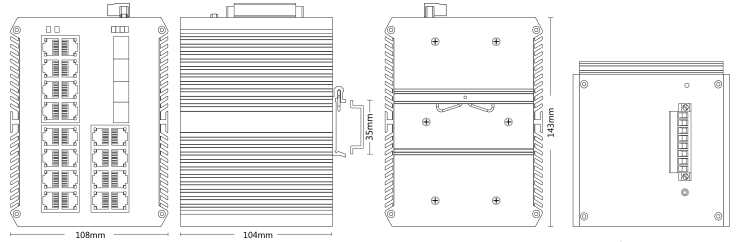
**Shell:** IP40 protection, fanless design **Test Report:** CCC, RoHS, FC, CE, ISO

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

**Specifications**

|  |  |
| --- | --- |
| PART NO | LA-IS7M2-G0424 |
| Provider Mode Ports | |
| Fixed Port | 4\*1000 Base-X, 24\*10/100/1000 Base-T |
| Management Port | Support console |
| Power Interface | Phoenix terminal, redundant dual |
| LED Indicators | PWR, Link/ACT LED |
| 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 | Support |
| Star Topology | Support |
| Bus Topology | Support |
| Tree Topology | Support |
| Hybrid Topology | Support |
| Electrical Specifications | |
| Input Voltage | DC12-58V |
| Total Power Consumption | PoE <26W |
| 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 group |
| Multicast | Support IGMP Snooping |
| Port Mirroring | Support |
| Storm Control | Support |
| Interface Counters | Support |
| QINQ | Support |
| 802.1X | Support |
| Radius/Mac Certification | Support |
| Port Isolation | Support |
| Rmon | Support |
| NTP Client | Support |
| DHCP Client | Support |
| DHCP Snooping | Support |
| Ping/Tracert Detection | Support |
| Dying Gasp | Support |
| Optical Module DDM | 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 | Support |
| WEB Management | Support |
| 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℃~+85℃ |
| Relative Humidity | 5%~95% （non-condensing） |
| Thermal Methods | Fanless, natural cooling |
| MTBF | 100,000 hours |
| Mechanical Dimensions | |
| Product Size | 108\*104\*143mm (W×H×D) |
| Installation Method | DIN-rail |
| Weight | 1.3KG 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 Top view

**Ordering Information**

|  |  |
| --- | --- |
| PART NO | DESCRIPTION |
| LA-IS7M2-G0424 | 4\*1000Mbps SFP Port, 24\*10/100/1000M RJ45 Port (PoE is optional) |

**Accessories**

|  |  |
| --- | --- |
| PART NO | DESCRIPTION |
| LA-IS7M2-G0424 | device, terminals, specification, certificate  adapter(optional) |