LA-IS7M2-G0204

# 2\*1000Base-X, 4\*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 LA-IS7M2-G0204 Industrial Ethernet Switch uses store-forward architecture, fanless and energy-saving design. The advantage of product are small, convenient and easy to maintain. The product design complies with the Ethernet standard, adding lightning protection, anti-static protection measures. It applies to the wide range of operating temperature from -40℃ ~ +75℃ with stable and reliable performance.

The device can be widely applied to various broadband data transmission fields such as intelligent transportation, telecommunications, security, financial securities, customs, shipping, power, water conservancy and oil fields.

**Features**

**Input Voltage:** DC10~58V **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-G0204 |
| Provider Mode Ports |
| Fixed Port | 2\*1000 Base-X, 4\*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 | DC10-58V |
| Total Power Consumption | Non PoE <10W，PoE <132W |
| 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 | 40G |
| Packet Forwarding Rate | 26.7Mpps |
| MAC Address Table | 16K |
| VLAN | Support 4K |
| Buffer | 8M |
| 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 |
| Convergence |
| ACL | Support ACL 500Support IP standard ACLSupport MAC expand ACL Support IP expand ACL |
| QOS | Support QoS re-marking, priority mapping Support SP, WRR queue schedulingSupport engress rate-limited, egress rate-limit Support Policy-based QoS |
| Management |
| CLI | Support |
| Console | Support |
| Telnet | Support |
| WEB Management | Support |
| SNMP | Support SNMPv1/v2c |
| User Management | Support |
| System Log | Support |
| Configuration File Download/Upload | Support |
| Upgrade Firmware | Support |
| Environment |
| Operating Temperature | -40℃~+85℃ |
| Storage Temperature  | -40℃~+85℃ |
| 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  | 0.58KG 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） |
| EMI | CLASS A |
| 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-G0204 | 2\*1000Mbps SFP Port, 4\*10/100/1000M RJ45 Port (PoE is optional) |

**Accessories**

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| PART NO | DESCRIPTION |
| LA-IS7M2-G0204 | device, terminals, specification, certificateadapter(optional) |