LA-IS7M2-G0216

# 2\*1000Base-X, 16\*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**

The equipment is 2\*1000 Base-X, 16\*10/100/1000 Base-T Managed Industrial Ethernet fast switch, through the fan cooling circuit design, wide range working environment temperature, high protection level and other technologies, provide high / low temperature, lightning protection and other outstanding industrial quality, and integrated switching, safety and various rich protocols, simultaneously supported The public Ethernet multi ring protection technology (ERPS) has greatly enhanced the flexibility of the network and enhanced the reliability and security of the industrial network.

It can 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

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

**Specifications**

|  |  |
| --- | --- |
| PART NO  | LA-IS7M2-G0216 |
| Provider Mode Ports |
| Fixed Port | 2\*1000 Base-X, 16\*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 | <36W |
| Layer 2 Switching |
| Switching Capacity | 60G |
| Packet Forwarding Rate | 50.59Mpps |
| 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 |
| 802.1X | Support |
| Mac Authentication | Support |
| Port Isolation | Support |
| DHCP CLIENT | Support |
| PING/TRACEROUT | 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/v3 |
| User Management | Support |
| System Log | Support |
| Configuration File Download/Upload | Support |
| Upgrade Firmware | Support |
| 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 | 160X115X52mm (W×H×D) |
| Installation Method  | DIN-rail |
| Weight  | 0.85KG 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**

Bottom View

Front view Side view Back view Top view

**Ordering Information**

|  |  |
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| PART NO | DESCRIPTION |
| LA-IS7M2-G0216 | 2\*1000Mbps SFP Port, 16\*10/100/1000M RJ45 Port |

**Accessories**

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| --- | --- |
| PART NO | DESCRIPTION |
| LA-IS7M2-G0216 | device, terminals, specification, certificateadapter(optional) |