LA-IS8M-G1216

# 12\*1000 Base-X, 16\*10/100/1000 Base-T Managed Industrial Switch (PoE Optional)

***Highlight Information***

LA-XXX/LAM-XXX Series

****

For LA-XXX Series

For LA-XXX Series

**Introduction**

This LA-IS8M-G1216, management industrial Ethernet fast switch, PoE is optional, providing excellent industrial quality such as high/low temperature resistance, lightning protection, etc., through the design of fanless cooling circuit, wide range working environment temperature, high protection grade and other technologies. Besides, various rich protocols, such as integrated switching and security, support public Ethernet multi-ring protection technology (ERPS), greatly improve network flexibility and enhance the reliability and security of industrial networks.

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

**Features**

**Input Voltage:** DC：36~75V/AC：100~240V 50/60Hz **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-IS8M-G1216 |
| Provider Mode Ports |
| Fixed Port | 12\*1000 Base-X, 16\*10/100/1000 Base-T |
| Management Port | Support console |
| Power Interface | Phoenix terminal, dual power supply redundancy |
| 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 | DC36-75V/AC 100-240V 50-60HZ |
| Total Power Consumption | Non POE <36W，with POE<276W |
| PoE Support |
| PoE Port | 1-16 |
| PoE Protocol | 802.3af，802.3at |
| Pin Assignment | 1,2,3,6 |
| PoE Management | Support |
| Layer 2 Switching |
| Switching Capacity | 160G |
| Packet Forwarding Rate | 95.23Mpps |
| 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 Authentication | Support |
| Layer 3 Route |
| Static Route | Support 256 static route |
| 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℃~+75℃ |
| Storage Temperature  | -40℃~+75℃ |
| Relative Humidity  | 5%~95% （non-condensing） |
| Thermal Methods  | Fanless, natural cooling |
| MTBF  | 100,000 hours |
| Mechanical Dimensions |
| Product Size | 440\*245\*44mm (W×H×D) |
| Installation Method  | Rack mounted |
| Weight  | 3.6KG 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） |
| EMI | CLASS A |
| ESD | IEC 61000-4-2 Level 4 （8K/15K） |
| Free Fall | 0.5m |
| Authentication |
| Authentication | CCC/CE/FCC/RoHS |

**Dimensions**

****

Rear view

****

 Front view

**Ordering Information**

|  |  |
| --- | --- |
| PART NO | DESCRIPTION |
| LA-IS8M-G1216 | 12\*1000 Base-X, 16\*10/100/1000 Base-TDC power supply |

**Accessories**

|  |  |
| --- | --- |
| PART NO | DESCRIPTION |
| LA-IS8M-G1216 | equipment, terminals, power adapter(optional),instructions, product certification |