LA-IS6N-G0101

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

***Highlight Information***

LA-XXX/LAM-XXX Series

For LA-XXX Series

For LA-XXX Series

**Introduction**

This device is 1\*1000Base-X & 1\*10/100/1000Base-T Industrial Ethernet Switch, PoE is optional. Through the fanless heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, it provides excellent industrial quality with high/low temperature resistance and lightning protection, and enhances 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, FCC, CE

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

**Specifications**

|  |  |
| --- | --- |
| PART NO  | LA-IS6N-G0101 |
| Provider Mode Ports |
| Fixed Port | 1\*1000 Base-X SFP, 1\*10/100/1000Base-T PoE |
| Power Interface | Phoenix terminal, redundant dual power supply |
| LED Indicators | PWR，OPT ,NMC，ALM |
| DIP Switch |
| 1 C/D | Remote PD Reset |
| 2 LGY | Stand/Non-standard PoE Mode |
| 3 VLAN  | / |
| 4 RST | Reset |
| 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 |
| Layer 2 Switching |
| Switching Capacity | 14G |
| Packet Forwarding Rate | 10.416Mpps |
| MAC Address Table | 8K |
| VLAN | Unsupported |
| Buffer | 1M |
| Forwarding Delay | <5us |
| MDX/MIDX | Support |
| Flow Control  | Support |
| Jumbo Frame | 10K bytes |
| Watch Dog | Support |
| Port Isolation | Support |
| Environment |
| Operating Temperature | -40℃~+75℃The device is tested for 4 hours at temperatures in 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  | 0.6KG 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 Level 4（30A/m） |
| DIP | IEC 61000-4-11 Level 3 （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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Bottom View

Front view Side view Back view Top view

**Ordering Information**

|  |  |
| --- | --- |
| PART NO | DESCRIPTION |
| LA-IS6N-G0101 | 1\*1000Mbps SFP Port, 1\*10/100/1000Mbps RJ45 Port |
| LA-IS6N-G0101-SC | 1\*1000Mbps SC Port, 1\*10/100/1000Mbps RJ45 Port, PoE 802.3af & at |
| LA-IS6N-G0101-FC | 1\*1000Mbps FC Port, 1\*10/100/1000Mbps RJ45 Port, PoE 802.3af & at |
| LA-IS6N-G0101-ST | 1\*1000Mbps ST Port, 1\*10/100/1000Mbps RJ45 Port, PoE 802.3af & at |

**Accessories**

|  |  |
| --- | --- |
| PART NO | DESCRIPTION |
| LA-IS6N-G0101 | device, terminals, specification, certificateadapter(optional) |