LA-IS4N-F0104-M

# 1\*100Base-X, 4\*10/100Base-T Unmanaged Industrial Switch (PoE Optional)

***Highlight Information***

LA-XXX/LAM-XXX Series

For LA-XXX Series

For LA-XXX Series

**Introduction**

This device 1\*100Base-X, 4\*10/100Base-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.

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:** 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-IS4N-F0104-M |
| Provider Mode Ports |
| Fixed Port | 1\*100Base-X, 4\*10/100Base-T |
| Power Interface | Phoenix terminal, dual power supply |
| LED Indicators | P1/P2, OPT |
| DIP Switch |
| 1 LFP | Remote PD Reset |
| 2 LGY | LEGACY (Standard & Non-standard PoE) |
| 3 VLAN  | Port Isolation |
| 4 BSR | Storm Control Configuration |
| 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 |
| Electrical Specifications |
| Input Voltage | DC12-58V |
| Total Power Consumption | <5W |
| Layer 2 Switching |
| Switching Capacity | 1G |
| Packet Forwarding Rate | 0.744Mpps |
| MAC Address Table | 2K |
| Buffer | 768K |
| Forwarding Delay | <5us |
| MDX/MIDX | Support |
| Flow Control  | Support |
| Jumbo Frame | 2K bytes |
| Storm Control | Support |
| Port Isolation | Support |
| Remote PD Reset | Unsupported |
| Environment |
| Operating Temperature | -40℃~+75℃ |
| Storage Temperature  | -40℃~+75℃ |
| Relative Humidity  | 10%~90% （non-condensing） |
| Thermal Methods  | Fanless, natural cooling |
| MTBF  | 100,000 hours |
| Mechanical Dimensions |
| Product Size | 91\*118\*31mm (W×H×D) |
| Installation Method  | DIN-rail |
| Weight  | 0.36KG 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） |
| 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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Bottom view

Front view Side view Back view Top view

**Ordering Information**

|  |  |
| --- | --- |
| PART NO | DESCRIPTION |
| LA-IS4N-F0104-M | 1\*100Base-X SFP fiber port, 4\*10/100M RJ45 Port, PoE support 802.3af & at |
| LA-IS4N-F0104-SC-M | 1\*100Base-X SC fiber port, 4\*10/100M RJ45 Port, PoE support 802.3af & at |
| LA-IS4N-F0104-FC-M | 1\*100Base-X FC fiber port, 4\*10/100M RJ45 Port, PoE support 802.3af & at |
| LA-IS4N-F0104-ST-M | 1\*100Base-X ST fiber port, 4\*10/100M RJ45 Port, PoE support 802.3af & at |

**Accessories**

|  |  |
| --- | --- |
| PART NO | DESCRIPTION |
| LA-IS4N-F0104-M | device, terminals, specification, certificateadapter(optional) |