

## LV-IES01G08F Series

### 9-port Unmanaged Industrial Ethernet Switch, with 1 1000Base-X SFP Slot and 8 10/100Base-TX Ethernet Port

#### Features



- Support 1 1000Base-X SFP slot and 8 10/100Base-TX Ethernet port.
- Support IEEE802.3, IEEE802.3u, IEEE802.3x.
- Plug-and-play, 10/100Base-TX, full/half duplex, MDI/MDI-X auto-adaptation.
- Industrial chip design, 15kV ESD protection, 8kV surge protection.
- 10-58VDC redundancy power, reverse polarity protection.
- Industrial grade 4 design, -40-85°C operating temperature.
- IP40 rated aluminum alloy housing, DIN-Rail mounted.

#### Introduction

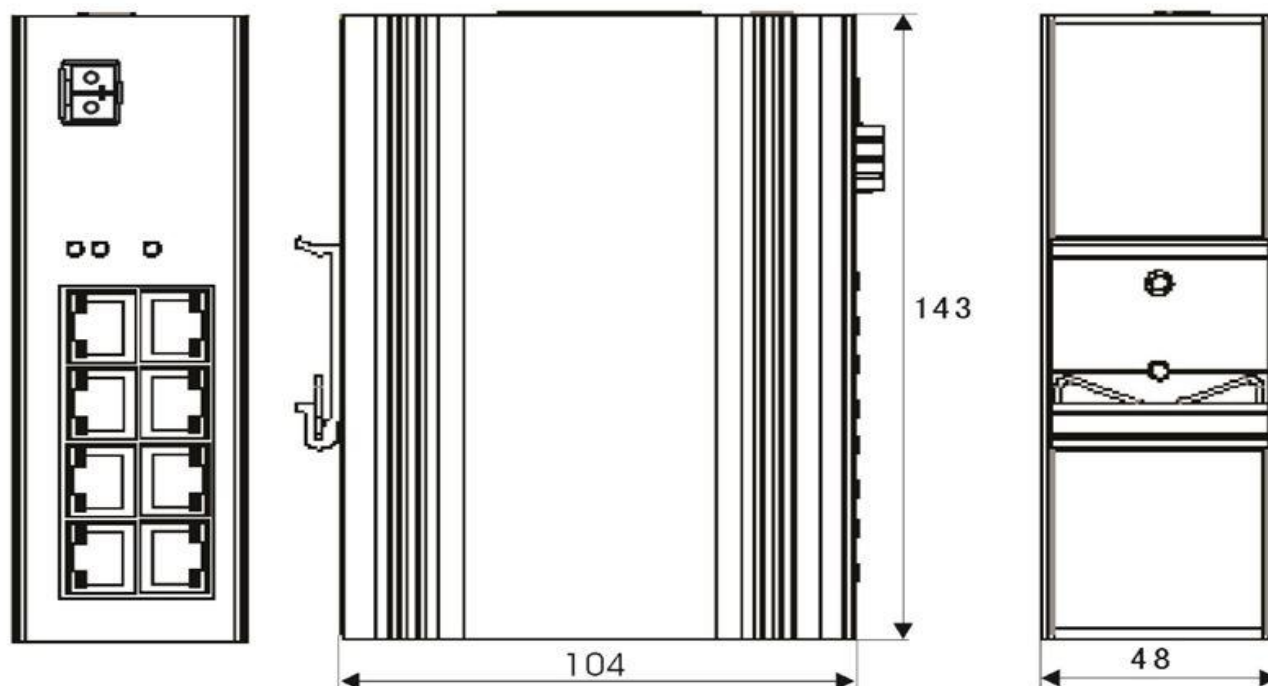
LV-IES01G08F is a plug-and-play unmanaged industrial Ethernet switch, which can provide economical solution for your Ethernet. Its dust-proof fully sealed structure(IP40 protection grade), over-current, over-voltage and EMC protected, redundant double power input as well as built-in intelligent alarm design can help system main tenancy personnel monitor the network operation, which can work reliably in harsh and dangerous environment.

LV-IES01G08F support 1 1000Base-X SFP slot and 8 10/100Base-TX Ethernet port. It support CE, FCC, RoHS standard, rugged high-strength metal case, power input (10-58VDC). The switch support IEEE802.3, IEEE802.3u, IEEE802.3x with 10/100Base-TX, full/half-duplex, and MDI/MDI-X auto-adaptation, the -40-85°C operating temperature can meet all kinds of industrial environment requirement, providing reliable and economic solution for your industrial Ethernet network.

## Specification

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protocol Standard</b>     | IEEE802.3, IEEE802.3u, IEEE802.3x                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Flow Control</b>          | IEEE802.3x flow control, back press flow control                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Switching Performance</b> | Forwarding Rate: 4.16Mpps<br>Transmission Mode: Store and Forward<br>Packet Buffer Size: 1M<br>Backplane Bandwidth: 5.6Gbps<br>MAC Table Size: 8K<br>Delay Time: < 4μs                                                                                                                                                                                                                                                 |
| <b>Ethernet Port</b>         | 10/100Base-TX auto speed control, full/half duplex and MDI/MDI-X auto-adaptation                                                                                                                                                                                                                                                                                                                                       |
| <b>Fiber Port</b>            | 1000Base-X SFP slot                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>LED Indicator</b>         | Power Indicator: PWR<br>Port Indicator: LINK / ACT                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Power Supply</b>          | Input Voltage: 10-58VDC<br>Connector: 6 bit 5.08mm removable terminal block<br>Full Load: <5W<br>Protection Mechanism: overload protection, reverse connection protection, redundancy protection                                                                                                                                                                                                                       |
| <b>Mechanical Structure</b>  | Shell: IP40 protection, aluminum alloy housing<br>Dimension: 143*104*48mm( L*W*H )<br>Weight: 550g<br>Installation: DIN-Rail mounting, wall mounting                                                                                                                                                                                                                                                                   |
| <b>Operating Environment</b> | Operating Temperature: -40-85°C<br>Storage Temperature: -40-85°C<br>Ambient Relative Humidity: 5%-95% (non-condensing)                                                                                                                                                                                                                                                                                                 |
| <b>Industry Standards</b>    | EMI:FCC Part 15 Subpart B Class A, EN 55022 Class A<br>EMS:EN61000-4-2 (ESD), Level 4 at 15kV(Air), 8kV(Contact)<br>EN61000-4-3 (R/S), Level 3 at 10V/m<br>EN61000-4-4 (EFT), Level 4 at 4kV(Power Port), 2kV(Data Port)<br>EN61000-4-5 (Surge), Level 4 at 4kV<br>EN61000-4-6 (CS), Level 3 at 10V/m<br>EN61000-4-8, Level 5 at 100A/m<br>Shock:IEC 60068-2-27<br>Free Fall:IEC 60068-2-32<br>Vibration:IEC 60068-2-6 |
| <b>Certification</b>         | CE, FCC, RoHS                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MTBF</b>                  | >100,000 Hours                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Warranty</b>              | 5-years                                                                                                                                                                                                                                                                                                                                                                                                                |

## Dimension



## Order Information

| Model No.                                                                      | Description of Goods                                                                                                                |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| LV-IES01G08F                                                                   | Unmanaged Industrial Ethernet Switch, 1 1000Base-X SFP Slot and 8 10/100Base-TX, DIN-Rail, 10-58VDC, -40-85°C Operating Temperature |
| <b>Power Supply:</b> 24VDC DIN-Rail Power Supply or Power Adapter is Optional. |                                                                                                                                     |