LV-IES0101F Series

2-port Unmanaged Industrial Ethernet Switch, with 1 100Base-FX Fiber Port and 1 10/100Base-TX Ethernet Port

Features

➢Support 1 100Base-FX fiber port and 1 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.

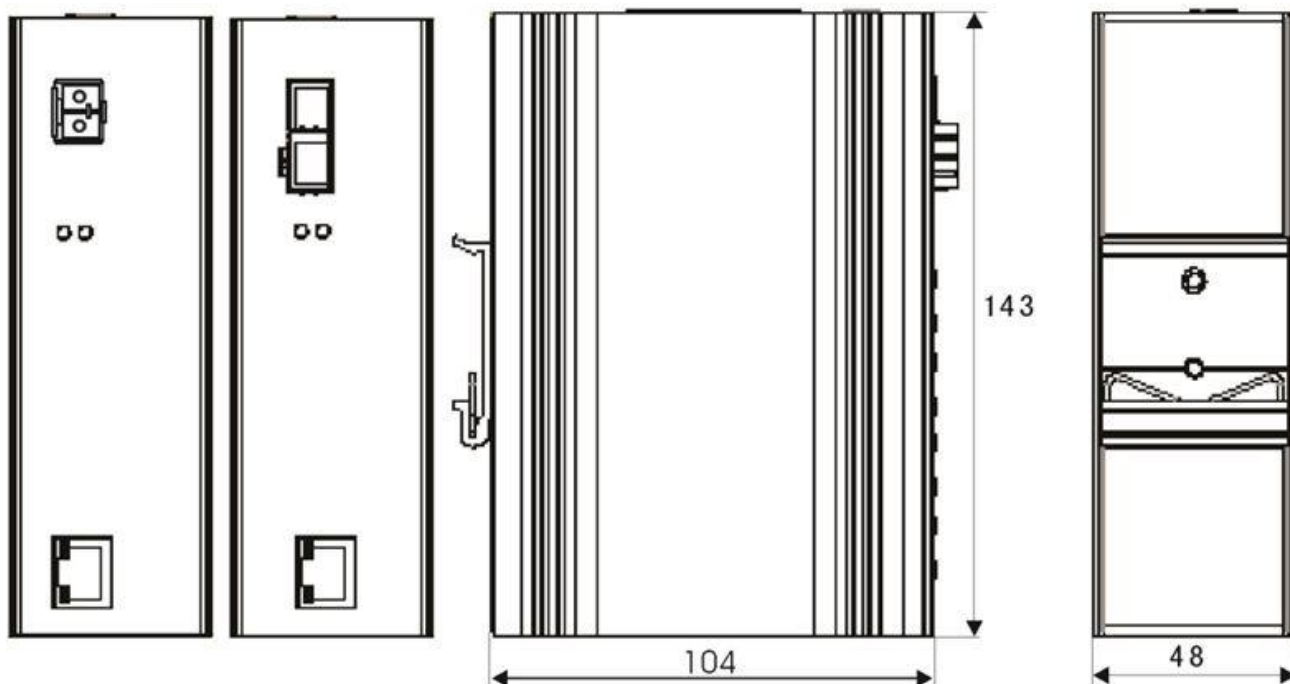➢IP40 rated aluminum alloy housing, DIN-Rail mounted.

Introduction

LV-IES0101F 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-IES0101F support 1 100Base-FX fiber port and 1 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

Protocol Standard	IEEE802.3, IEEE802.3u, IEEE802.3x
Flow Control	IEEE802.3x flow control, back press flow control
Switching Performance	Forwarding Rate: 0.744Mpps Transmission Mode: Store and Forward Packet Buffer Size: 512K Backplane Bandwidth: 1Gbps MAC Table Size: 1K Delay Time: < 3µs
Ethernet Port	10/100Base-TX auto speed control, full/half duplex and MDI/MDI-X auto-adaptation
Fiber Port	100Base-FX fiber port
LED Indicator	Power Indicator: PWR Port Indicator: LINK / ACT
Power Supply	Input Voltage: 10-58VDC Connector: 6 bit 5.08mm removable terminal block Full Load: <3W Protection Mechanism: overload protection, reverse connection protection, redundancy protection
Mechanical Structure	Shell: IP40 protection, aluminum alloy housing Dimension: 143*104*48mm(L*W*H) Weight: 500g Installation: DIN-Rail mounting, wall mounting
Operating Environment	Operating Temperature: -40-85°C Storage Temperature: -40-85°C Ambient Relative Humidity: 5%-95% (non-condensing)
Industry Standards	EMI:FCC Part 15 Subpart B Class A, EN 55022 Class A EMS:EN61000-4-2 (ESD), Level 4 at 15kV(Air), 8kV(Contact) EN61000-4-3 (R/S), Level 3 at 10V/m EN61000-4-4 (EFT), Level 4 at 4kV(Power Port), 2kV(Date Port) EN61000-4-5 (Surge), Level 4 at 4kV EN61000-4-6 (CS), Level 3 at 10V/m EN61000-4-8, Level 5 at 100A/m Shock:IEC 60068-2-27 Free Fall:IEC 60068-2-32 Vibration:IEC 60068-2-6
Certification	CE, FCC, RoHS
MTBF	>100,000 Hours
Warranty	5-years

Dimension

Order Information

Model No.	Description of Goods
LV-IES0101F-SC-M	Unmanaged Industrial Ethernet Switch, 1 100Base-FX and 1 10/100Base-TX, SC Connector, Multimode, Dual Fiber, 2Km, DIN-Rail, 10-58VDC, -40-85°C Operating Temperature
LV-IES0101F-SC-20	Unmanaged Industrial Ethernet Switch, 1 100Base-FX and 1 10/100Base-TX, SC Connector, Single Mode, Dual Fiber, 20Km, DIN-Rail, 10-58VDC, -40-85°C Operating Temperature
LV-IES0101FW-SC-20	Unmanaged Industrial Ethernet Switch, 1 100Base-FX and 1 10/100Base-TX, SC Connector, Single Mode, Single Fiber, 20Km, DIN-Rail, 10-58VDC, -40-85°C Operating Temperature
LV-IES0101F-SFP	Unmanaged Industrial Ethernet Switch, 1 100Base-X SFP Slot and 1 10/100Base-TX, DIN-Rail, 10-58VDC, -40-85°C Operating Temperature

Fiber Connector: SC/ST/FC/LC(SFP Slot), Single Mode/Multimode, Dual Fiber/Single Fiber, 2Km/20Km/40Km/60Km/80Km/100Km/120Km is Optional.
Power Supply: 24VDC DIN-Rail Power Supply or Power Adapter is Optional.

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