

LV-IMC0102F Series

3-port Unmanaged Industrial Media Converter, with 1-port 100Base-FX and 2-port 10/100Base-T(X)

Features



- Support 1 100Base-FX and 2 10/100Base-T(X) Ethernet ports.
- Support IEEE802.3, IEEE802.3u, IEEE802.3x.
- Plug-and-play, 10/100Base-T(X), F/H duplex, MDI/MDI-X auto negotiation.
- Industrial lightning chip design. Lightning Protection up to 8kV, Electronic Static Discharge up to 15kV.
- DC10-58V redundancy power, Reverse polarity protection.
- Industrial grade 4 design, -40-85°C operating temperature.
- IP40 Rated Aluminum Alloy Housing, DIN-Rail mounted.

Introduction

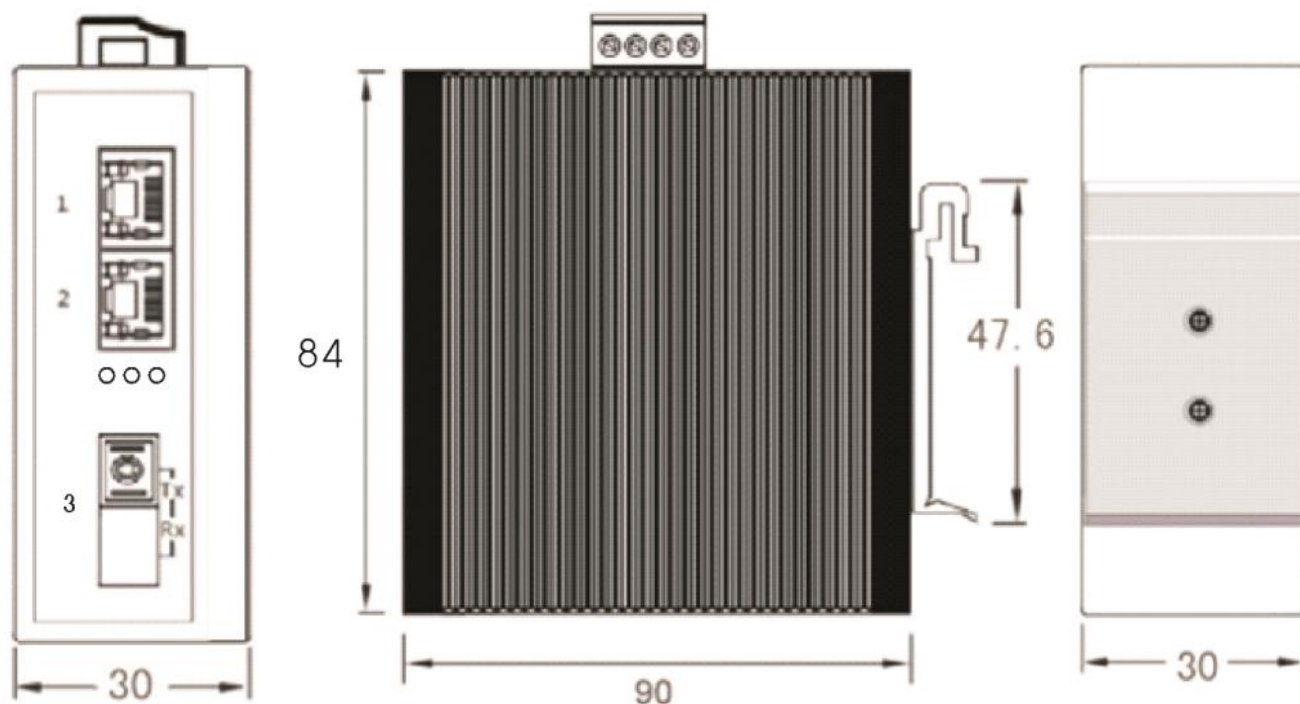
LV-IMC0102F is a smart plug-and-play industrial media converter, which can provide economical solution for your Ethernet. Its dustproof fully sealed structure(IP40 protection grade), over-current, over-voltage and EMC protected, redundant double power input as well as built-in intelligent alarm design can help system main tenancy personnel monitor the network operation, which can work reliably in harsh and dangerous environment.

LV-IMC0102F supports 1 port 100Base-FX and 2 port 10/100Base-T(X), Full/Half duplex mode, and auto MDI/MDI-X connection. It supports CE, FCC, RoHS standard, rugged high-strength metal case, power supply input (10-58VDC). The switch support IEEE802.3/ IEEE802.3u/ IEEE802.3x with 10/100Base-T(X), full/half-duplex, and MDI/MDI-X auto-sensing, the -40~85°C working 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
Exchange Attribute	Forwarding Rate: 0.446Mpps Transmission Mode: Store and Forward Packet Buffer Size: 512K System Exchange Bandwidth: 0.6Gbps MAC Table Size: 1K Delay Time: < 3μs
Ethernet Port	10/100Base-T(X) auto speed control, Half/full duplex and MDI/MDI-X auto detect
Fiber Port	100Base-FX fiber port
LED Indicator	Power Indicator: P1, P2 Port Indicator: LINK / ACT
Power Supply	Input Voltage: DC10-58V Connector: 4 bit 5.08mm Removable terminal block Full Load: <2.5W Protection Mechanism: Overload Protection / Reverse Connection Protection / Redundancy Protection
Mechanical Structure	Shell: IP40 protection, Aluminum-alloy shell Dimension: 90*84*30mm(L*W*H) Weight: 500g Installation: DIN-rail mounting, wall mounting
Working Environment	Operating Temperature: -40 to 85°C Storage Temperature: -40 to 85°C Ambient Relative Humidity: 5% to 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, UL
MTBF	>100,000 Hours
Warranty	5-years

Dimension



Order Information

Model No.	Description of Goods
Dual Fiber	
LV-IMC0102F	Multimode, Dual Fiber, 2Km, SC/ST/FC/LC connector, -40-85°C operating temperature
LV-IMC0102F-20	Single Mode, Dual Fiber, 20Km, SC/ST/FC/LC connector, -40-85°C operating temperature
LV-IMC0102F-40	Single Mode, Dual Fiber, 40Km, SC/ST/FC/LC connector, -40-85°C operating temperature
LV-IMC0102F-60	Single Mode, Dual Fiber, 60Km, SC/ST/FC/LC connector, -40-85°C operating temperature
LV-IMC0102F-80	Single Mode, Dual Fiber, 80Km, SC/ST/FC/LC connector, -40-85°C operating temperature
LV-IMC0102F-100	Single Mode, Dual Fiber, 100Km, SC/ST/FC/LC connector, -40-85°C operating temperature
Single Fiber	
LV-IF12WM-20	Single Mode, Single Fiber, 20Km, SC/ST/FC/LC connector, -40-85°C operating temperature
LV-IF12WM-40	Single Mode, Single Fiber, 40Km, SC/ST/FC/LC connector, -40-85°C operating temperature
LV-IF12WM-60	Single Mode, Single Fiber, 60Km, SC/ST/FC/LC connector, -40-85°C operating temperature
LV-IF12WM-80	Single Mode, Single Fiber, 80Km, SC/ST/FC/LC connector, -40-85°C operating temperature
LV-IF12WM-100	Single Mode, Single Fiber, 100Km, SC/ST/FC/LC connector, -40-85°C operating temperature