

LV-IMC0102G Series

3-port Industrial Media Converter, with 1 1000Base-X SFP Slot and 2 10/100/1000Base-TX Ethernet Port

Features



- Support 1 1000Base-X SFP slot and 2 10/100/1000Base-TX Ethernet port.
- Support IEEE802.3, IEEE802.3u, IEEE802.3x.
- Plug-and-play, 10/100/1000Base-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

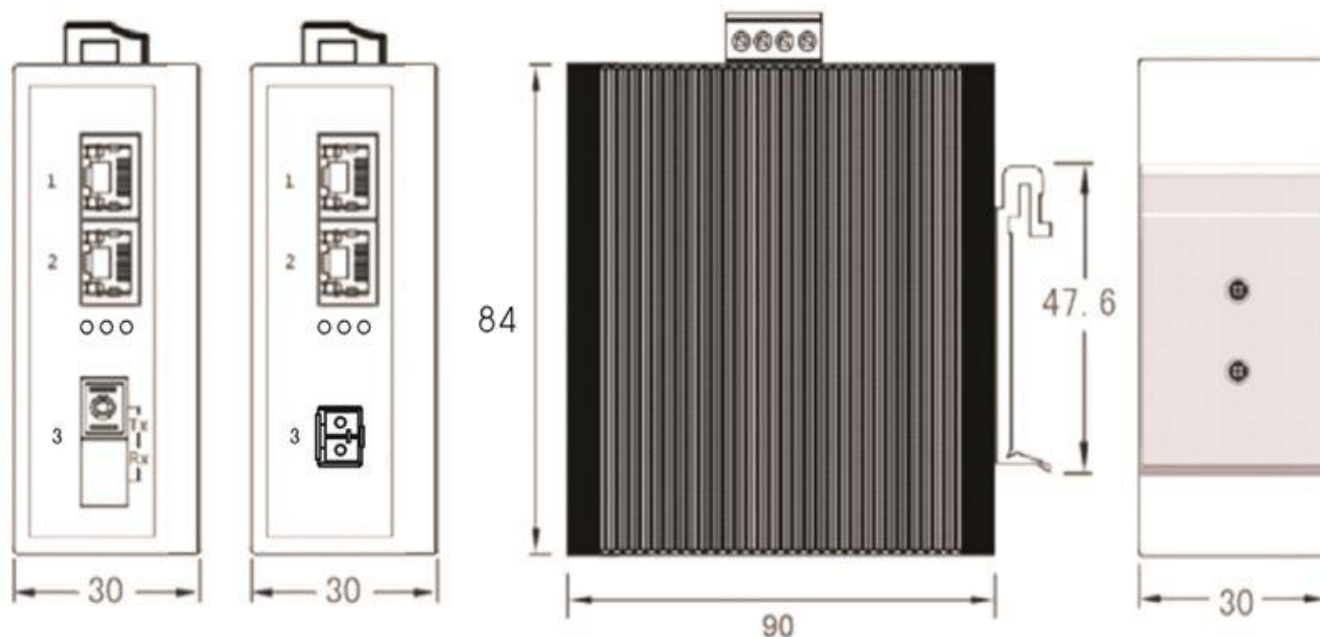
LV-IMC0102G is a plug-and-play industrial media converter, which can provide economical solution for your Ethernet. Its dust-proof fully sealed structure(IP40 protection grade), over-current, over-voltage and EMC protected, redundant double power input as well as built-in intelligent alarm design can help system maintenance personnel monitor the network operation, which can work reliably in harsh and dangerous environment.

LV-IMC0102G support 1 1000Base-X SFP slot and 2 10/100/1000Base-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 10/100/1000Base-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: 4.46Mpps Transmission Mode: Store and Forward Packet Buffer Size: 1M System Exchange Bandwidth: 6Gbps MAC Table Size: 8K Delay Time: < 4μs
Ethernet Port	10/100/1000Base-TX auto speed control, half/full duplex and MDI/MDI-X auto-adaptation
Fiber Port	1000Base-X SFP slot
LED Indicator	Power Indicator: P1, P2 Port Indicator: LINK / ACT
Power Supply	Input Voltage: 10-58VDC Connector: 4 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: 90*84*30mm(L*W*H) Weight: 300g 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(Data 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-IMC0102G-SFP	Industrial Media Converter, 1 1000Base-X SFP Slot and 2 10/100/1000Base-TX, DIN-Rail, 10-58VDC, -40-85°C Operating Temperature
LV-IMC0102G-SC-M	Industrial Media Converter, 1 1000Base-FX and 2 10/100/1000Base-TX, SC Connector, Multimode, Dual Fiber, 550m, DIN-Rail, 10-58VDC, -40-85°C Operating Temperature
LV-IMC0102G-SC-20	Industrial Media Converter, 1 1000Base-FX and 2 10/100/1000Base-TX, SC Connector, Single Mode, Dual Fiber, 20Km, DIN-Rail, 10-58VDC, -40-85°C Operating Temperature
LV-IMC0102GW-SC-20	Industrial Media Converter, 1 1000Base-FX and 2 10/100/1000Base-TX, SC Connector, Single Mode, Single Fiber, 20Km, DIN-Rail, 10-58VDC, -40-85°C Operating Temperature

Fiber Connector: SC/ST/FC/LC(SFP Slot), Single Mode/Multimode, Dual Fiber/Single Fiber, 550m/2Km/20Km/40Km/60Km/80Km/100Km/120Km is Optional.

Power Supply: 24VDC DIN-Rail Power Supply or Power Adapter is Optional.