



Industrial Media Converter

IMC201

◆ 1-port 10/100/1000M Ethernet+ 1-port 1000Base-FX Industrial gigabit media converter

➤ Features

- Support 1 10Base-T/100Base-TX/1000 Base-TX port and 1 1000Base-FX port
- Support IEEE802.3/802.3u/802.3x/802.3z, store and forward
- Ethernet port support 10/100/1000M self-adaption
- Support LFP (Link Fault Pass-Through)
- DC12~48V power input, reverse connection protection
- IP40 protect grade, high strength iron shell, DIN Rail installation



➤ Introduction

IMC201 is a kind of industrial gigabit media converter, it support 1 10Base-T/100Base-TX/1000 Base-TX port and 1 1000Base-FX Fiber port. It support LFP function, it is easy to check the network connection status, it also support CE,FCC standard,IMC201 adopt industry standard design, IP40 protection, rugged high-strength metal case, power supply input(12V~48VDC), -40 to 85°C working temperature.

➤ Application

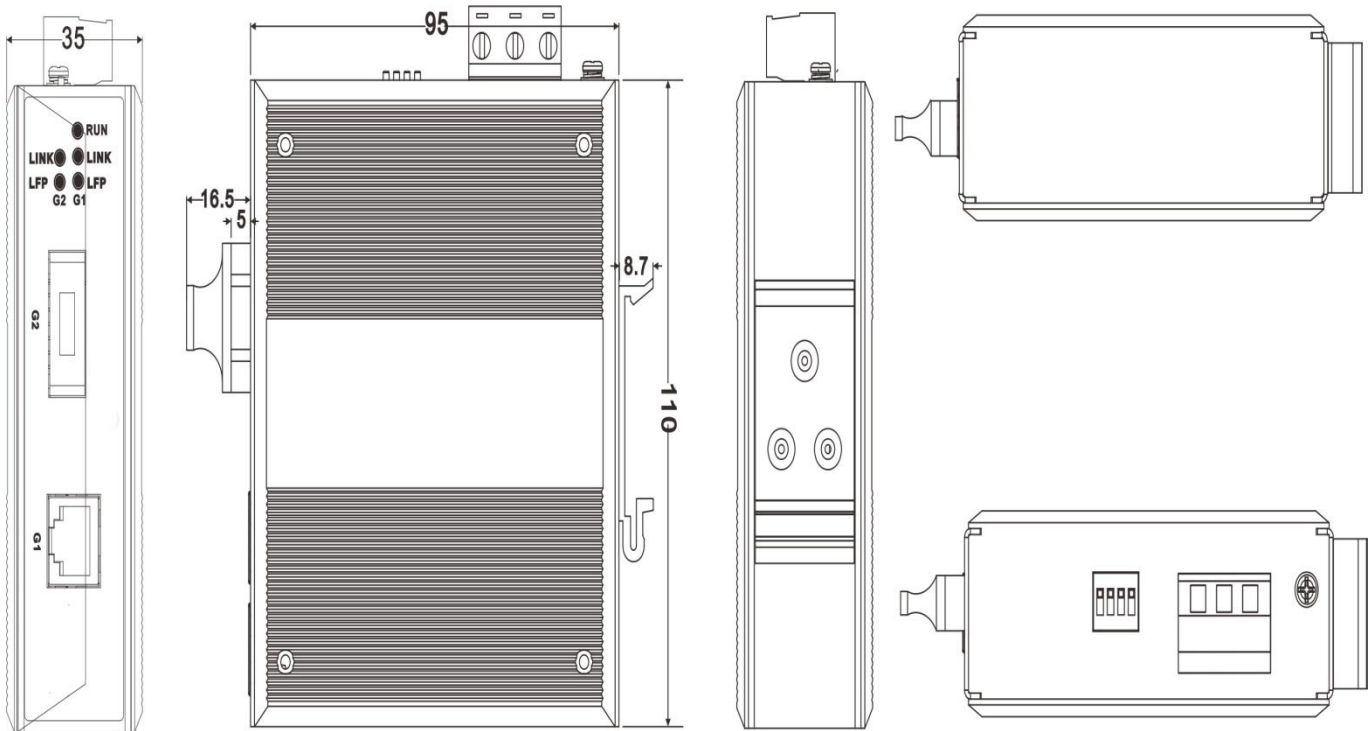
- Intelligent Transportation System
- Connection of Sub-network for Surveillance Center
- Power system applications
- High Way & Toll Station Surveillance
- Transformer Substation Communication System
- Oil of GPRS data acquisition system



➤ Specification

Technology	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z
Flow control	IEEE802.3x, back pressure control
Interface	
Gigabit Ethernet port	10Base-T/100Base-TX/1000Base-TX Self-adaption
Gigabit fiber port	1000Base-F(SC/FC/ST)
Transmission	
Twisted pair	100M (Standard CAT5/CAT5e cable)
Multi mode fiber	1310nm, 500m
Single mode fiber	1310nm, 20/40/60Km, 1550nm, 20/40/60/80/100/120Km
Exchange of attribute	
100M forward speed	148810pps
1000M forward speed	1488100pps
Transmission	Store and forward
Memory	1Mbits
MAC address	1K
LED Indicator	
System	RUN
Ethernet port	G1 LINK
Fiber port	G2 LINK
Remote Ethernet port alarm	G1 LFP
Remote Fiber port alarm	G2 LFP
Power supply	
Power input	24VDC(12~48VDC)
Terminal block	3 bits 7.62mm terminal block
No-load power consumption	1.512W@24VDC
Full-load power consumption	1.800W@24VDC
Support reverse connection protection	
Mechanical	
Shell	IP40, high strength iron shell.
Installation	DIN Rail
Weight	346.6g
Dimension(W×H×D)	110mm×35mm×95mm
Operating Temperature	-40 to 85 °C
Storage Temperature	-45 °C to 85 °C
Ambient Relative Humidity	10 to 95% (non-condensing)
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD), Level 1 EN61000-4-4 (EFT), Level 4 EN61000-4-5 (Surge), Level 3
Shell	IEC 60068-2-27
Warranty time	5 years
Certification	CE, FCC, RoHS, PAL, UL508(pending)

➤ Dimension



➤ Ordering Information

Model NO.	Description
IMC201-M-05	Multi-mode, 500m, 12~48VDC, SC/ST optional
IMC201-S-20	Single-mode, 20Km, 12~48VDC, SC/ST optional
IMC201-S-40	Single-mode, 40Km, 12~48VDC, SC/ST optional
IMC201-S-60	Single-mode, 60Km, 12~48VDC, SC/ST optional
IMC201-S-80	Single-mode, 80Km, 12~48VDC, SC/ST optional
IMC201-S-100	Single-mode, 100Km, 12~48VDC, SC/ST optional
IMC201-S-120	Single-mode, 120Km, 12~48VDC, SC/ST optional
IMC201-SS-20	Single-mode, single fiber, 20Km, 12~48VDC, SC/ST optional
IMC201-SS-40	Single-mode, single fiber, 40Km, 12~48VDC, SC/ST optional
IMC201-SS-60	Single-mode, single fiber, 60Km, 12~48VDC, SC/ST optional
IMC201-SS-80	Single-mode, single fiber, 80Km, 12~48VDC, SC/ST optional

➤ Packing List

- Industrial Media Converter IMC201 (plus terminal block) ×1
- User manual ×1
- DIN-Rail fittings ×1
- Warranty card