

IMC101B/IMC102 Industrial Media Converter



Overview

IMC101B/IMC102 provide industrial grade media conversion between 10/100BaseT(X) and 100BaseFX (SC/ST/FC connectors). They are designed for applications in the field of electric power, transportation, and industrial control and in other severe industrial environment. This series integrate wide-range temperature and voltage design, enterprise-class high-speed forwarding performance, strong cabinet, protected industrial circuit and other industrial features, and can satisfy reliability requirement under harsh industrial environment.

Features

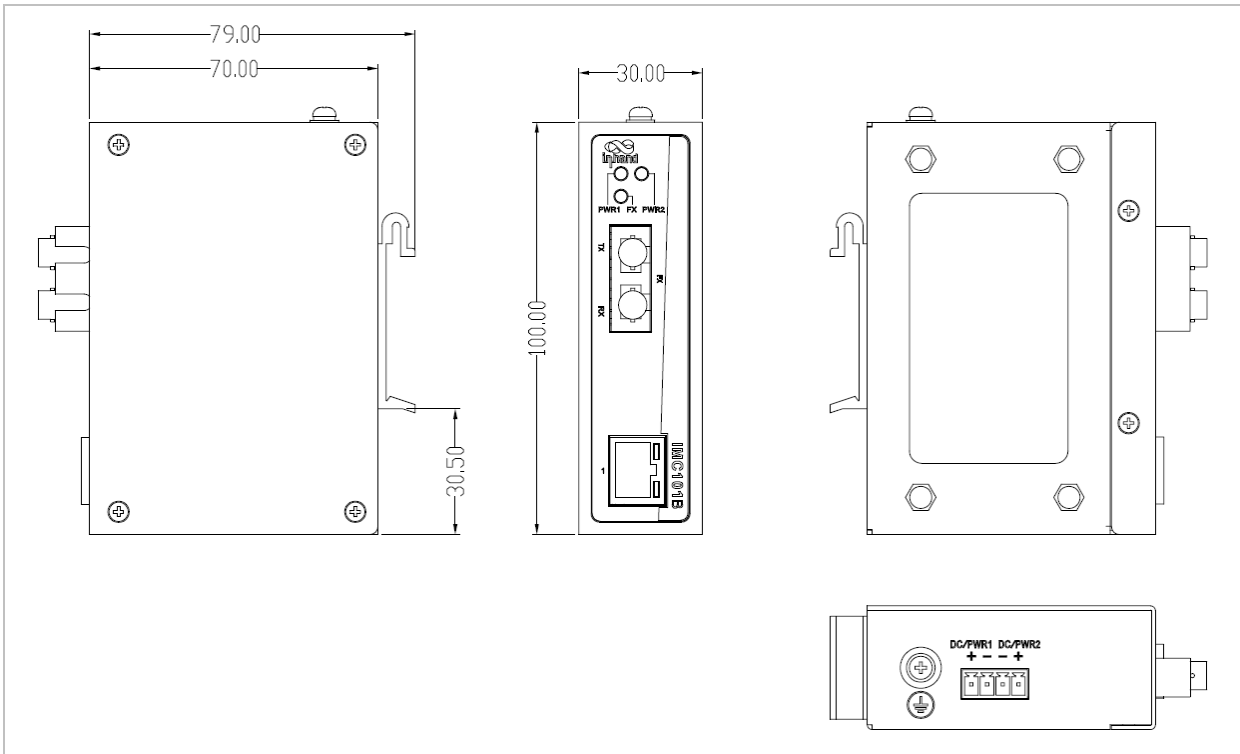
Strong and reliable industrial quality

- Provided with IP40 seal protection, and dust proof, stain proof and debris proof
- Excellent EMC/EMI and anti-radiation performance
- Wide working temperature $-40\sim+85^{\circ}\text{C}$; wide voltage 24DC(12~48VDC)
- DIN-rail mounting, optional wall-mounting kit available, satisfying requirement for deployment at different conditions and environments
- Compact design and low power consumption

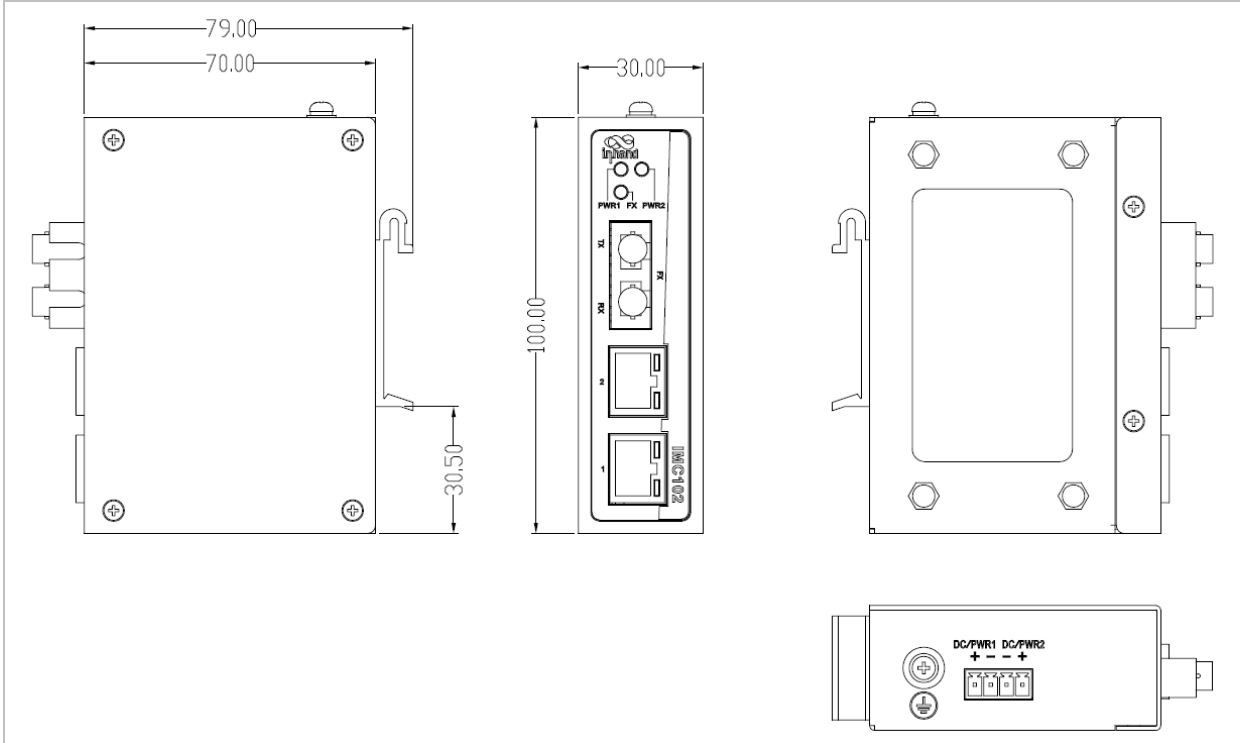
Specifications

Item		IMC101B / IMC102	
Interface	RJ45 port	100Base-T(X) RJ45, full duplex/half-duplex, MDI/MDI-X self-adaptive	
	FX fiber port	100Base-FX port (SC/ST/FC connector)	
	LED	PWR1, PWR2, LINK/ACTIVE 10/100M(RJ45)	
Mechanical	Housing	IP40 protection class, fully enclosed and seamless type metal cabinet, PCB protection coating available	
	Dimensions (W*H*D)	30mmx70mmx100mm	
	Weight	0.3 kg	
	Heat dissipation	Fanless	
	Installation	DIN- rail and wall mounting (optional)	
	MTBF	35 years	
Power	Voltage input	24VDC(12~48VDC), redundant	
	Interface terminal	4-pin pluggable screw connection terminal	
	Overload protection	Available	
	Reverse polarity protection	Available	
	Power consumption	<3W	
Working environment	Working temp	-40 ~+85°C	
	Storage temp	-40 ~ +85 °C	
	Relative humidity	5%~95% (free of condensation)	
Industrial standard	Electromagnetic compatibility	IEC 61000-4-2 (Electrostatic discharge)	Level 3
		IEC 61000-4-3 (Radiated electric field)	Level 3
		IEC 61000-4-4 (Electrical fast transient/burs)	Level 3
		IEC 61000-4-5 (Surge)	Level 3
		IEC 61000-4-6 (Conducted disturbances)	Level 3
		IEC 61000-4-8 (Power frequency magnetic field)	Level 4
	Impact	IEC60068-2-27	
	Free fall	IEC60068-2-32	
	Vibration	IEC60068-2-6	
Warranty	5 years		

Dimensions (mm)



IMC 101B



IMC 102

Ordering Information

Available Models		Port			
Wide temp. (-40~85°C)	Standard temp. (0-60°C)	10/100 Base-T(X)	100BaseFX Port (SC/ST/FC)		
			Multimode fiber	Single mode dual fiber	Single mode single fiber
IMC101B					
IMC101B-1T-M-24	IMC101BS-1T-M-24	1	1	-	-
IMC101B-1T-S-24	IMC101BS-1T-S-24	1	-	1	-
IMC101B-1T-B-24	IMC101BS-1T-B-24	1	-	-	1
IMC102					
IMC102-2T-M-24	IMC102S-2T-M-24	2	1	-	-
IMC102-2T-S-24	IMC102S-2T-S-24	2	-	1	-
IMC102-2T-B-24	IMC102S-2T-B-24	2	-	-	1

Note:

- Multimode fiber supports 2km; single mode dual fiber support 20/40/80/120KM; Single mode single fiber supports 20/40/60/80/120KM;
- Default power supply is DC24V low-voltage.

InHand Networks

InHand Networks provides reliable, secured and intelligent M2M solution for electric power, industrial automation, commercial and medical devices. Recognized by world class customers and partners. Proven by a large install base. Expanding with intensive investments in research and development. Enduring for long-term support.

InHand Networks has become leader in industrial grade network technology by providing industrial cellular routers, industrial Ethernet switches, wireless sensor network devices and cloud based M2M platforms.

Connecting devices, enabling services.



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