

IMP-C100-XX Series

Compact 10/100Tx to 100Fx Industrial PoE+ Media Converter with SC/ST Connector



Features

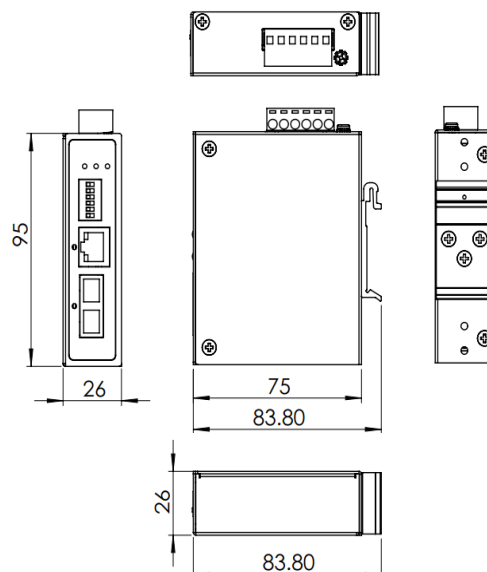
- ▶ 1*10/100Tx Fast Ethernet with IEEE 802.3at Compliant PoE+
- ▶ 1*100Fx SC/ST Connector (Multi / Single-Mode)
- ▶ RJ45 Port Support Auto MDI / MDI-X Function
- ▶ Auto Negotiation Speed, Half / Full Duplex
- ▶ Store-and-Forward Switching Architecture
- ▶ Built-in Link Fault Pass Through (LFP)
- ▶ Built-in Far End Fault (FEF)
- ▶ Wide-Range Redundant Power Design
- ▶ Redundant Power Input: 48~55VDC
- ▶ Power Polarity Reverse Protection
- ▶ Overload Current Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ IP30 Protection
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' **IMP-C100-XX series** is a compact IP30 rated Ethernet-to-fiber media converter featuring a 10/100TX Ethernet port that supports IEEE 802.3at high power PoE that can supply up to 30 watts, and a fixed fiber interface supporting ST and SC connectors depending on the model. There are Multi-Mode and Single-Mode models to support applications with a variety of fiber distances and types. It is designed to fulfill industrial applications that require fiber optic distance extension while using minimal space.

The IMP-C100-XX series has a built-in "Link Fault Pass Through" (LFP) and "Far End Fault" (FEF) function with 48~55VDC redundant power inputs with reverse polarity and overload current protection. This product series supports DIN-Rail as well as wall mountable orientations and provides two operating temperature range models in STD: -10°C to 70°C and EOT: -40°C to 80°C.

DIMENSIONS



SPECIFICATIONS

Technology		Power Requirement	
Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3af/at Power Over Ethernet	Input Voltage	48 to 55VDC, Redundant Inputs
Processing Type	Store and Forward	Power Connection	1 removable 6-contact terminal block
Protocol	CSMA/CD	Reverse Polarity Protection	Present
Flow Control	IEEE 802.3x back pressure flow control	Overload Current Protection	Present
Switch Properties		Power Consumption	2.4Watts for System
Memory Buffer	128kbits	Max. PoE Power Budget	30Watts
Interface		Relay Contact	24VDC, 1A resistive
Ethernet Port	1*RJ45 Port w/10/100T(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Environmental Limits	
Fiber Port	1*100Fx SC/ST type connector Multi-mode: 50/125um or 62.5/125um Single-mode: 9/125um or 10/125um	Operating Temperature	STD: -10°C to 70°C EOT: -40°C to 80°C
Fiber Wavelength	Depends on fixed fiber modules	Storage Temperature	-40°C to 85°C
LED Indicators	Power 1, Power 2, Fault: On / Off Fiber Port: Link / Act Ethernet Port: Link / Act PoE: On-connected to PD devices	Ambient Relative Humidity	5% to 95%, (non-condensing)
Mechanical Characteristics		Regulatory Approvals	
Housing	Metal, IP30 protection	EMI	FCC Part 15 Subpart B Class A, CE EN 55032 Class A, EN 61000-6-4 Class A
Dimensions	26 x 95 x 75 mm (W x H x D)	EMS	CE EN 55024 Class A, EN 61000-6-2 Class A, IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Weight	Unit: 0.661 lbs. Shipping: 0.903 lbs.	Free Fall	IEC60068-2-32
Mounting	DIN-Rail Mounting, Wall Mounting	Shock	IEC60068-2-27
		Vibration	IEC60068-2-6
		Green	RoHS Compliant
		Certifications	FCC, CE, UL 61010-1 (Pending), UL 61010-2-201 (Pending)
		Warranty	5 Years

ORDERING INFO

IMP-C100-M	Compact 10/100Tx to 100Fx Industrial PoE+ Media Converter, Multi-Mode, 2KM, SC Connector
IMP-C100-M-T	Compact 10/100Tx to 100Fx Industrial PoE+ Media Converter, Multi-Mode, 2KM, SC Connector; EOT: -40°C to 80°C
IMP-C100-S3	Compact 10/100Tx to 100Fx Industrial PoE+ Media Converter, Single-Mode, 30KM, SC Connector
IMP-C100-S3-T	Compact 10/100Tx to 100Fx Industrial PoE+ Media Converter, Single-Mode, 30KM, SC Connector; EOT: -40°C to 80°C
IMP-C100-ST-M	Compact 10/100Tx to 100Fx Industrial PoE+ Media Converter, Multi-Mode, 2KM, ST Connector
IMP-C100-ST-M-T	Compact 10/100Tx to 100Fx Industrial PoE+ Media Converter, Multi-Mode, 2KM, ST Connector; EOT: -40°C to 80°C
IMP-C100-ST-S3	Compact 10/100Tx to 100Fx Industrial PoE+ Media Converter, Single-Mode, 30KM, ST Connector
IMP-C100-ST-S3-T	Compact 10/100Tx to 100Fx Industrial PoE+ Media Converter, Single-Mode, 30KM, ST Connector; EOT: -40°C to 80°C

Assured Systems

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