

IMC-C100-XX Series

COMPACT 10/100TX TO FX INDUSTRIAL MEDIA CONVERTER WITH SC/ST CONNECTOR

FEATURES

- 1*10/100TX Fast Ethernet
- 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: 12~48VDC
- Power Polarity Reverse Protection
- Overload Current Protection
- DIN-Rail or Wall Mountable
- IP30 Protection
- 5-Year Warranty



INTRODUCTION

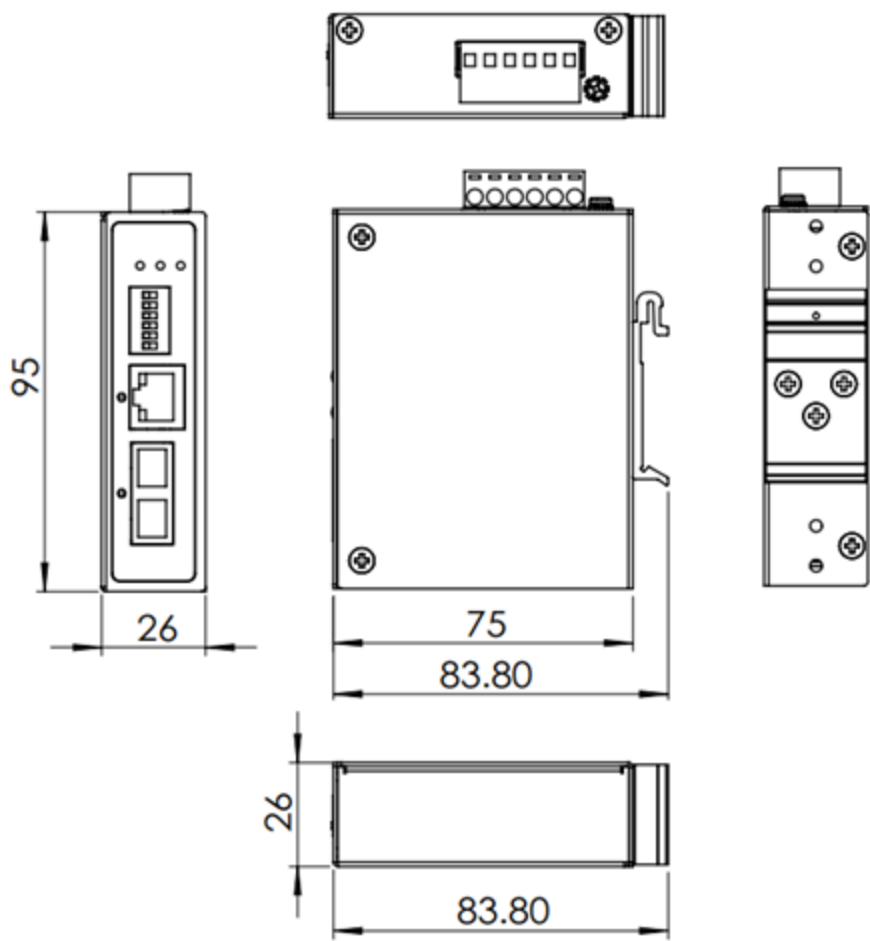
Antaira Technologies' IMC-C100-XX Series is a compact IP30 rated Ethernet-to-Fiber media converter featuring a 10/100TX Ethernet port and a fixed fiber interface supporting ST or SC connectors depending on the model. There are Multimode and Single-Mode models to support applications with a variety of fiber distances and types. It is designed to fulfill industrial applications that require fiber optic distance extension while using minimal space.

The IMC-C100-XX Series has a built-in "Link Fault Pass Through" (LFP) and "Far End Fault" (FEF) function with 12~48VDC redundant power inputs with reverse polarity and overload current protection. This product series supports DIN-rail as well as wall mountable orientations and provides operating temperature range models in STD: -10°C to 65°C and EOT: -40°C to 75°C.

SPECIFICATIONS

Hardware Specifications						
Part Number	Total Ports	RJ-45 GE	Fiber Port	System Power	Input Voltage	Operating Temp.
IMC-C100-XX	2	1	1	2W	12~48VDC	-10 to 65°C 14 to 149°F
IMC-C100-XX-T	2	1	1	2W	12~48VDC	-40 to 75°C -40 to 167°F

Physical Specifications					
Part Number	Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Mounting	Housing
IMC-C100-XX IMC-C100-XX-T	26 x 95 x 75mm 1.02 x 3.74 x 2.95in	0.25kg 0.551lb	0.36kg 0.815lb	DIN-Rail Wall Mount	Metal, IP30



Standards	
Part Number	IEEE Standards
IMC-C100-XX IMC-C100-XX-T	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet

Media Converter Properties			
Specification		Specification	
Memory Buffer	128Kbits	Overload Current Protection	Present
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port	Reverse Polarity Protection	Present
Relay Contact	24VDC, 1A resistive		

Compliance Specifications	
EMI	FCC Part 15 Subpart B Class A CE EN 55032/EN 61000-6-4 Class A
EMS	CE EN 55024/EN 61000-6-2 Class A: IEC 61000-4-2,3,4,5,6,8
Free Fall	IEC 60068-2-32
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL 61010-1, UL 61010-2-201 UL Class 1 Division 2, ISA12.12.01
Storage Environment	Storage Temperature: -40 to 85°C
Humidity	Ambient Relative Humidity 5% to 95%, (non-condensing)
Country of Origin	Made in Taiwan - TAA / NDAA Compliant
Warranty	5 Years

ORDERING INFORMATION

Media Converter Models	
Part Number	Description
IMC-C100-M	Compact 10/100TX to 100FX Industrial Media Converter, Multi-Mode, 2KM, SC Connector
IMC-C100-M-T	Compact 10/100TX to 100FX Industrial Media Converter, Multi-Mode, 2KM, SC Connector; EOT: -40°C to 75°C
IMC-C100-S3	Compact 10/100TX to 100FX Industrial Media Converter, Single-Mode, 30KM, SC Connector
IMC-C100-S3-T	Compact 10/100TX to 100FX Industrial Media Converter, Single-Mode, 30KM, SC Connector; EOT: -40°C to 75°C
IMC-C100-ST-M	Compact 10/100TX to 100FX Industrial Media Converter, Multi-Mode, 2KM, ST Connector
IMC-C100-ST-M-T	Compact 10/100TX to 100FX Industrial Media Converter, Multi-Mode, 2KM, ST Connector; EOT: -40°C to 75°C

IMC-C100-ST-S3	Compact 10/100TX to 100FX Industrial Media Converter, Single-Mode, 30KM, ST Connector
IMC-C100-ST-S3-T	Compact 10/100TX to 100FX Industrial Media Converter, Single-Mode, 30KM, ST Connector; EOT: -40°C to 75°C
IMC-C100-WA-M	Compact 10/100TX To 100FX Industrial Media Converter, Single Mode, 2KM, TX1310nm – RX1550nm, SC Single Fiber (WDM-A)
IMC-C100-WA-M-T	Compact 10/100TX To 100FX Industrial Media Converter, Single Mode, 2KM, TX1310nm – RX1550nm, SC Single Fiber (WDM-A); EOT: -40°C to 75°C
IMC-C100-WA-S2	Compact 10/100TX to 100FX Industrial Media Converter, Single-Mode, 20KM, TX1310nm – RX1550nm, SC Single Fiber (WDM-A)
IMC-C100-WA-S2-T	Compact 10/100TX to 100FX Industrial Media Converter, Single-Mode, 20KM, TX1310nm – RX1550nm, SC Single Fiber (WDM-A); EOT: -40°C to 75°C
IMC-C100-WB-M	Compact 10/100TX to 100FX Industrial Media Converter, Single-Mode, 2KM, TX1550nm – RX1310nm, SC Single Fiber (WDM-B)
IMC-C100-WB-M-T	Compact 10/100TX to 100FX Industrial Media Converter, Single-Mode, 2KM, TX1550nm – RX1310nm, SC Single Fiber (WDM-B); EOT: -40°C to 75°C
IMC-C100-WB-S2	Compact 10/100TX to 100FX Industrial Media Converter, Single-Mode, 20KM, TX1550nm – RX1310nm, SC Single Fiber (WDM-B)
IMC-C100-WB-S2-T	Compact 10/100TX to 100FX Industrial Media Converter, Single-Mode, 20KM, TX1550nm – RX1310nm, SC Single Fiber (WDM-B); EOT: -40°C to 75°C

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