

# **entaira**®

# **IMC-100A-XX Series**

10/100TX to 100FX Industrial Media Converter







#### **Features**

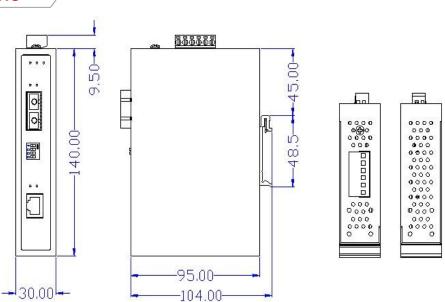
- ► UTP to Fiber Media Converter
- Store-and-Forward Switching Architecture
- ► RJ45 Port Support Auto MDI/MDI-X Function
- Auto Negotiation Speed, Half/Full Duplex
- Reverse Polarity Power Protection
- ► Redundant Power Input Design: 12~36VDC
- ▶ Built-in 1 Relay Output for Power Failure Warning
- ► IP30 Rugged Metal Case Design
- ► DIN-Rail and Wall Mount Support Included
- ▶ Operating Temperature Range: STD: -10° to 70°C, EOT: -40° to 80°C
- UL Class 1, Division 2 Certified
- ▶ 5-Year Warranty

### INTRODUCTION

Antaira Technologies' IMC-100A series is an industrial grade unmanaged Ethernet media converter featuring a simple plug-and-play operation to quickly convert between Ethernet and fiber optics. The IMC-100A series supports fast Ethernet speeds of 100Mbps, featuring 1\*10/100Tx Ethernet port and 1\*100Fx fiber port. This unit is an ideal solution for applications looking to convert between an RJ45 Ethernet connection and a fiber connection.

IMC-100A series is IP30 rated and DIN-rail mountable. This product series supports a low voltage power input range of 12~48VDC. Also, there are two operating temperature models for either a standard temperature range (STD: -10°C to 70°C) or an extended temperature range (EOT: -40°C to 80°C). It also provides Ethernet and fiber optic connectivity for outdoor or harsh industrial environment applications, such as, security surveillance, ITS-traffic monitoring systems, oil/gas and mining, facility management for power/utility, water wastewater treatment plants, and lastly, automated production lines in factory automation.

#### **DIMENSIONS**



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Toll-Free:1 (844) 268-2472

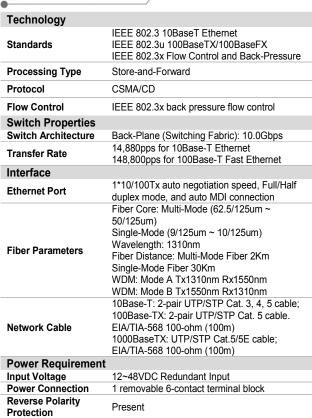
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# **entaira**

## SPECIFICATIONS



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Mechanical Characteristics	
Housing	Metal, IP30 rated
Dimensions	30 x 140 x 95 mm
Weight	Unit: 0.95 lbs Shipping: 1.4 lbs
Mounting	DIN-Rail, Wall-Mount (optional)
<b>Environmental Limits</b>	
Operating	STD: -10° to 70°C
Temperature	EOT: -40° to 80°C
Storage Temperature	-40°~85°C
Ambient Relative Humidity	5 to 95%, (Non-condensing)
<b>Regulatory Approvals</b>	
EMI	FCC Class A
EMS	EN6100-4-2,3,4,5,6,8,11,12 EN6100-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Certifications	FCC, CE, UL Class 1 Division 2
Warranty	5 Years

### **ORDERING INFO**

Present

2.74 Watts

**Overload Current** 

Protection
Power Consumption

IMC-100A-M 10/100TX to 10/100FX Industrial Media Converter, Multi-Mode 2km, SC Connector IMC-100A-M-T 10/100TX to 10/100FX Industrial Media Converter, Multi-Mode 2km, SC Connector, EOT: -40°~80°C IMC-100A-S3 10/100TX to 10/100FX Industrial Media Converter, Single Mode 30km, SC Connector IMC-100A-S3-T 10/100TX to 10/100FX Industrial Media Converter, Single Mode 30km, SC Connector, EOT: -40°~80°C IMC-100A-ST-M 10/100TX to 10/100FX Industrial Media Converter, Multi-Mode 2km, ST Connector IMC-100A-ST-M-T 10/100TX to 10/100FX Industrial Media Converter, Multi-Mode 2km, ST Connector, EOT: -40°~80°C IMC-100A-ST-S3 10/100TX to 10/100FX Industrial Media Converter, Single Mode 30km IMC-100A-ST-S3-T 10/100TX to 10/100FX Industrial Media Converter, Single Mode 30km, EOT: -40°~80°C IMC-100A-WA-S2 10/100TX to 10/100FX Industrial Media Converter, Single Fiber (WDM-A), Single Mode 20km, TX1310nm - RX1550nm IMC-100A-WB-S2 10/100TX to 10/100FX Industrial Media Converter, Single Fiber (WDM-B), Single Mode 20km, TX1550nm - RX1310nm **Optional Accessories** DR-45-24 45 Watt Series Industrial Single Output DIN-Rail Power Supply - 24 VDC / 2.0 Amps DR-75-24 75 Watt Industrial Single Output DIN-Rail Power Supply - 24 VDC / 3.2 Amps DR-120-24 120 Watt Industrial Single Output DIN-Rail Power Supply - 24 VDC / 5.0 Amps

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# **Assured Systems**

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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