

# ANT IMC100A Series

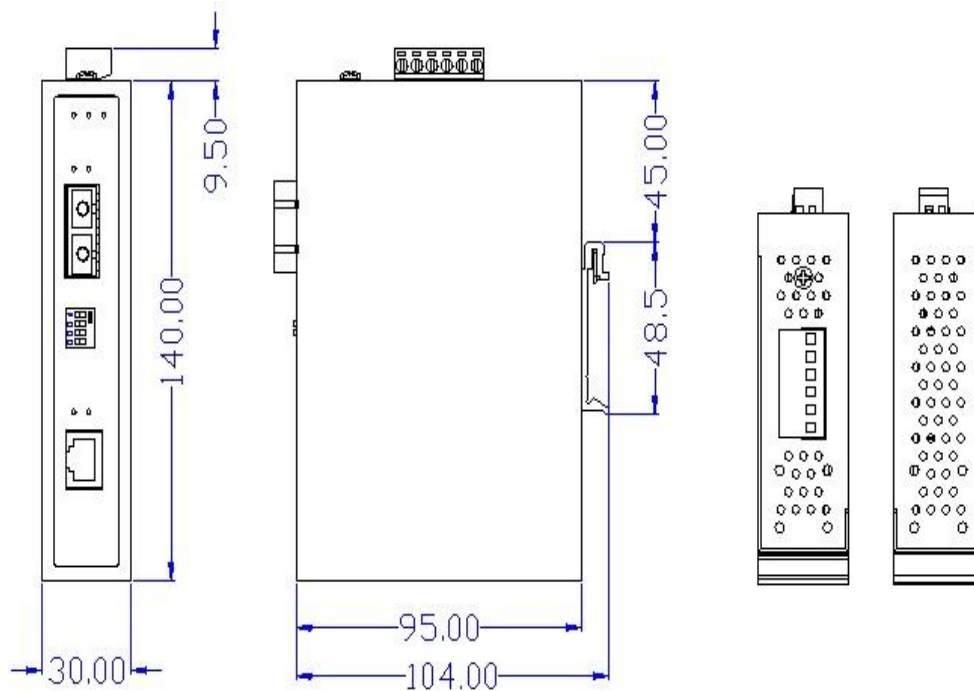
## Industrial 10/100BaseTX to 100BaseFX Industrial Media Converter



### 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

### DIMENSIONS



# ANT IMC100A Series

## SPECIFICATIONS

<b>Technology</b>		<b>Mechanical Characteristics</b>	
<b>Standards</b>	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX/100BaseFX IEEE 802.3x Flow Control and Back-Pressure	<b>Housing</b>	Metal, IP30 rated
<b>Processing Type</b>	Store-and-Forward	<b>Dimensions</b>	30 x 140 x 95 mm
<b>Protocol</b>	CSMA/CD	<b>Weight</b>	Unit: 0.95 lbs Shipping: 1.4 lbs
<b>Flow Control</b>	IEEE 802.3x back pressure flow control	<b>Mounting</b>	DIN-Rail, Wall-Mount (optional)
<b>Switch Properties</b>		<b>Environmental Limits</b>	
<b>Switch Architecture</b>	Back-Plane (Switching Fabric): 10.0Gbps	<b>Operating Temperature</b>	STD: -10° to 70°C EOT: -40° to 80°C
<b>Transfer Rate</b>	14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet	<b>Storage Temperature</b>	-40°~85°C
<b>Interface</b>		<b>Ambient Relative Humidity</b>	5 to 95%, (Non-condensing)
<b>Ethernet Port</b>	1*10/100Tx auto negotiation speed, Full/Half duplex mode, and auto MDI connection	<b>Regulatory Approvals</b>	
<b>Fiber Parameters</b>	Fiber Core: Multi-Mode (62.5/125um ~ 50/125um) Single-Mode (9/125um ~ 10/125um) Wavelength: 1310nm	<b>EMI</b>	FCC Class A
	Fiber Distance: Multi-Mode Fiber 2Km Single-Mode Fiber 30Km	<b>EMS</b>	EN6100-4-2,3,4,5,6,8,11,12 EN6100-6-2,4
	WDM: Mode A Tx1310nm Rx1550nm WDM: Mode B Tx1550nm Rx1310nm	<b>Free Fall</b>	IEC60068-2-32
		<b>Shock</b>	IEC60068-2-27
<b>Network Cable</b>	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable. EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)	<b>Vibration</b>	IEC60068-2-6
<b>Power Requirement</b>		<b>Certifications</b>	FCC, CE, UL Class 1 Division 2
<b>Input Voltage</b>	12~48VDC Redundant Input	<b>Warranty</b>	5 Years
<b>Power Connection</b>	1 removable 6-contact terminal block		
<b>Reverse Polarity Protection</b>	Present		
<b>Overload Current Protection</b>	Present		
<b>Power Consumption</b>	2.74 Watts		

## ORDERING INFO

<b>IMC-100A-M</b>	10/100TX to 10/100FX Industrial Media Converter, Multi-Mode 2km, SC Connector
<b>IMC-100A-M-T</b>	10/100TX to 10/100FX Industrial Media Converter, Multi-Mode 2km, SC Connector, EOT: -40°~80°C