

# DATASHEET

### 10/100 Media Converter





#### **PRODUCT INFORMATION**

Media Converters provide an intelligent solution for fibre optic connectivity where simplicity, low cost, and minimum footprint are the primary considerations. The converters are designed to handle both legacy 10BaseT and 100Base TX Fast Ethernet transmission on the fibre optic port. Plug-and-play simplicity makes connection easy.

Each Media Converter provides a 10/100BaseT/TX auto-negotiating RJ-45 twisted-pair connector port with Auto-MDIX capability for more convenient connection. Built-in 10/100 switch enables the fibre cable connection to operate at 100Mbps connected to either a 10BaseT or a 100BaseTX network, while remaining completely 100BaseFX standard-compliant. Fibre connection can also operate in full duplex mode whether the RJ-45 port is a connected to a full duplex switch or a half duplex hub.

#### **FEATURES & BENEFITS**

- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation in TP port
- Supports link fault pass through (LFP) function
- LED display for link/activity, full/half 10/100M
- Converter mode with auto-change-forward (switch) function

#### APPLICATION

- LAN
- FTTx
- Telecommunication networks

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where shown, may not be to scale. Dimensions are metric and size maybe approximate. Where possible data sheets including MSDS are made available on our website and apps. All products should be installed and used in accordance to manufacturer's instruction provided. Warning: products may be subject of registered designs and patents. Refer to our website or apps for terms and conditions on warranty.



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### SPECIFICATIONS

	IFF	802.3
Complies With	10BASE-T, 802.3u	
	100Base- TX	
	100Base FX standards	
Connector	UTP RJ-45 connector, optical SC, ST connector	
Transmission Type	10/100M FDX/HDX	
Data Buffer	128kb RAM	
	Multi-mode:	Single-mode:
Wavelength (typical)	1300nm (≤2Km)	1310nm up to 60km
	850nm (≤550m)	1550nm up to 120km
Temperature	0° to 50°C (Operating) -45° to 80°C (Storage)	
Humidity	5%-80% non-condensing (Operating) 10%-90% (Storage)	
Power Supply	External 1A, +5VDC	
Dimensions	External power version 95L x 70W x 26Hmm	
Power Consumption	2.5W	
Compliance	RoHS & Reach FCC Part 15 Class B	
	CE EN55022: 1998+A1: 2000+A2: 2003	
	EN61000-3-2: 2000+A2: 2005	
	EN61000-3-3: 1195+A1: 2001	
	EN55024: 1998+A1: 2001+A2: 2003	

#### **ORDERING INFORMATION**

Part Number	Description
FC-110MSC	10/100Base-T/TX to 100Base-FX Multimode SC Fibre Converter (1300nm 2km)
FC-110MST	10/100Base-T/TX to 100Base-FX Multimode ST Fibre Converter (1300nm 2km)
FC-110S40	10/100Base-T/TX to 100Base-FX Singlemode SC Fibre Converter (1300nm 40km)
FC-110S60	10/100Base-T/TX to 100Base-FX Singlemode SC Fibre Converter (1300nm 60km)
FC-1105120	10/100Base-T/TX to 100Base-FX Singlemode SC Fibre Converter (1300nm 120km)
FC-110MLC	10/100Base-T/TX to 100Base-FX Multimode LC Fibre Converter (1300nm 2km)

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