10/100 Media Converter

MSS FIBRE SYSTEMS

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

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SPECIFICATIONS

Complies With	IEEE802.3 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	
Wavelength (typical)	**Multi-mode:**	**Single-mode:**
	1300nm (≤2Km) 850nm (≤550m)	1310nm up to 60km 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)