



Ethernet Fibre Media Converter 10/100Mbps

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 100BaseTX Fast Ethernet devices on their twisted pair port while maintaining 100BaseFX 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 able connection to operate at 100 Mbps 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 connected to a full duplex switch or a half-duplex hub.

Features

- 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

Applications

- FTTx
- Telecommunication networks
- LAN

Specifications

DESCRIPTION

Standards Compliance	IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX standards
Connector:	UTP RJ-45 connector, optical SC, FC, ST connector
Transmission Type:	10/100M FDX/HDX
Data Buffer:	128Kb RAM
Wavelength (typical)	Multimode: 1310nm (≤2Km) Singlemode: 1310nm up to 60Km 1550nm up to 120Km
Temperature	0 - 50°C (Operating); -45 - 80°C (Storage)
Humidity	5%-80% non-condensing (Operating); 10%-90% (Storage)
Power Supply	External 1A,+5VDC Internal 110~260VAC
Dimensions:	External power version 95mm x70mm x 26mm (LxWxH) Internal power version 140mm x110mm x 30mm (LxWxH)
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: 1995+A1: 2001 EN55024: 1998+A1: 2001+A2: 2003
MTBF:	65,000 h (25°C)

Ordering Information

	Speed		Connector		Wavelength		Distance		Power Supply									
	1	10/100	02	04	05	9	2	20	24	60	80	100	120	BI	BE	Internal	External	
OMCC			02	04	05	9	2	20	24	60	80	100	120	BI	BE	Internal	External	

Example order code

OMCC - 102 - 920 - BI

10/100 Media Converter SM SC-20km-Internal Power