



Gigabit Media Converter 10/100/1000Mbps

The 10/100/1000 Media Converter provides an intelligent solution for long distance connections between legacy 10BaseT and 100BaseTX networks and the newer 1000Base Gigabit Ethernet networks. The built-in 10/100/1000 converter enables the fibre cable connection to operate at 1000 Mbps connected to either a 10BaseT, 100BaseTX, or a 1000BaseT network, while remaining completely 1000BaseSX standard-compliant for the fibre optic connection. The 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.

Each Media Converter provides a 10/100/1000BaseT/TX auto-negotiating RJ-45 twisted-pair connector port featuring store-and-forward switching architecture. The Built-in switch does the network segmentation to provide the maximum fibre distance. Auto-MDIX capability on the twisted-pair port allows convenient connection.

Features

- Automatic identification of MDI/MDI-X cross line
- 10/100/1000Mbps port with full/half duplex auto-negotiation
- Back pressure flow control for full duplex
- Converter mode with auto-change-forward (Switch) function

Applications

- FTTx
- Telecommunication networks
- LAN

Specifications

DESCRIPTION

Standards Compliance	IEEE802.3 10 Base-T standard IEEE 802.3u 100Base-TX/FX standard IEEE 802.3ab 1000BaseT IEEE 802.3z 1000BaseSX/LX
Connector:	UTP RJ-45 connector, optical SC, FC, ST connector
Data Buffer:	2 Megabyte
Wavelength (typical)	Multimode: 850nm (≤550m) 1310nm (≤2Km) Singlemode: 1310nm up to 20Km 1550nm up to 60Km
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								
	2	10/100/1000	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 - 202 - 920 - BI

10/100/1000 Media Converter SM SC-20km-Internal Power