



HIGHLIGHTS

- Complies with 802.3u 10/100Base-TX, 100Base-FX standards
- Adopts WDM technology, transmitting and receiving data on one single fiber

OVERVIEW

The MCBS12 is a media converter designed to convert 100BASE-FX fiber to 100Base-TX copper media or vice versa. Adopting WDM technology, MCBS12 takes only one fiber cable to transmit and receive data, which will save half cabling cost for you. Designed under IEEE 802.3u 10/100Base-TX and 100Base-FX standards, the MCBS12 is designed for use with single-mode fiber cable utilizing the SC-Type connector. The MCBS12 supports longwave (LX) laser specification at a full wire speed forwarding rate. It works at 1550nm on transferring data and at 1310nm on receiving data. So the other end device to cooperate with the MCBS12 should work at 1310nm on transferring data and at 1550nm on receiving data. Another CONNECTION's media converter MCBS11 is just one of the examples to cooperate with MCBS12.

Auto MDI/MDI-X for TX port, Auto negotiation of duplex mode on TX port, and front panel status LEDs. The MCBS12 will transmit at extended fiber optic distances utilizing single-mode fiber up to 20 kilometers.

FEATURES

- Support optional light path failure monitoring function, report switch network management
- Support hot swaps
- Support IEEE802.1Q
- Support SPANNING TREE structure fault-tolerant network
- Automatic full-duplex and half-duplex conversion
- Active adopted four layers circuit structure, stable work, smooth data transmission, the anti-interference ability
- Average trouble-free more than 50000 hours, accord with standard telecommunication

Technical Specifications	100BaseFX
Protocol	IEEE802.3, 802.3 u, 802.3 x
RJ 45 Port	10/100 BaseT(X)
Wave Length	1550nm / 1310nm
Operation Mode	Full/Half duplex mode
Connector	UTP: RJ45 Fiber port: SC/FC/ST/LC

OPTICAL FIBER

Technical Specifications	100BaseFX
	Single-Mode
Distance	20km, 1310nm
Max.	-10dBm
Min.	-3dBm
Sensitivity	< -30dBm

POWER REQUIREMENTS AND ENVIRONMENTAL LIMITS

Technical Specifications	100BaseFX
Input Voltage	5V/1A (AC100-240V DC 48V)
Power Consumption	5W
Operating Temperature	-20~+70°C
Storage Temperature	-40~+85°C
Ambient Relative Humidity	5~95% (non-condensing)

OTHER

Technical Specifications	100BaseFX		
	External power supply 1/2 RJ45	Internal power supply	
		1 RJ45	4/8 RJ45
Dimensions (mm)	94x70x25	140x110x30	220x130x34
Weight (g)	148	400	666
Out carton Dimensions (mm)	205x163x57	230x160x70	295x175x95
Out carton Weight (g)	400	685	1055

ORDER INFORMATION

P/N	Description
MCBS12	10/100Mbps WDM Media Converter