

10/100/1000Mb/s WDM MEDIA CONVERTER



The MC102 series offer three types of connector, SC / WDM connector, with single-mode media as required so that an Gigabit fiber network can be efficiently constructed through the Ethernet.

Designed in compact size, the MC102 can be used as a standalone unit or being installed in the media converter chassis. As the MC102 series fully complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-LX/SX, the installation of the Gigabit media conversion is quite quick and easy by simple plug and play. The HT102 also supports flow control and back pressure in half-duplex to eliminate packets loss..

Key Features:

- With WDM technology, single fiber, double utilization rate of fiber optics
Single fiber media converter must be used in pairs, saying TX with1310nm, FX with 1550nm or TX with 1550nm, FX with 1310nm
- With 1310nm/1550nm or 1310nm/1550nmDBF single fiber optical-electronic-integration module providing stable and reliable performance
- 10/100/1000M auto-adaptation environment, convenient for network upgrading
- With distinct HIC solution, low-temperature-rise chip, no need of cooling system, realization of flow control, decrease of broadcast storm
- With famous brand optical-electronic-integration module providing excellent optical and electrical properties to ensure reliable data transmission and long working life
- Supporting broadcast filtering, address auto-learning and auto-updating, and store-and-forward operating mechanism
- Supporting full-duplex flow control or half-duplex back pressure working pattern, along with Auto-negotiation
- Single RJ-45 electrical port NIC/HUB, auto cross-identification, link to computer network cards or switches or HUB
- Supporting the switches to choose between 10/100/1000Mbps store-and forward or 1000M straight-through transmission pattern(distinct)



- Supporting 1916 byte super data packet transmission
- Providing indicator lamps for link-loss, electrical and optical link diagnosing, dynamic data transmission and full/half duplex, data rate
- With more than 50,000 hours MTBF, complying with telecom operating standard
- Ultra low power dissipation(< 2.5W, Input:AC100 ~ 260V),low heat, long-time stable work

Technical Description:

Access Method:	10/100/1000Mbps Ethernet
Standard:	IEEE802.3 10Base-T Ethernet,IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3ab 1000Base-T 、 IEEE802.3z 1000Base-SX/LX Gigabit ethernet,IEEE802.1q,IEEE802.1p QoS,IEEE802.1d Spanning Tree
Wavelength	1310nm/1550nm
Distance:	Single Fiber: up to 100km(SM) or 1.5km(MM) CAT5 : 100m
Port:	RJ45 Connector : Connecting with STP/UTP Cat5 Optical Connector : MM-SC or ST (fiber dimension: 50,62.5/125μm) SM-SC or FC (fiber dimension: 9/125μm) Single Fiber SM-SC/ FC (fiber dimension: 9/125μm)
Conversion Method:	Media Conversion
Time Delay	<10us
BER:	<1/1000000000
LED Indicator	POWER (power), FX LINK (fiber link action), TP LINK1000 (twisted pair connection 1000M), TP LINK100 (twisted pair connection 100M), TP ACT (twisted pair packet forwarding action)
Power Supply	AC220 50/60Hz, DC 5V1A(external power)
Power Dissipation:	<5W
Operating Temperature:	0 ~ 50 °C
Humidity:	5%~90%
Storage Temperature:	-40~ 70 °C
Storage Humidity	5%~90% non-condescending
Weight	800g



深圳市光辉通信技术有限公司
Shenzhen GB-Link Technology Co., LTD
[Http://www.GB-Link.com](http://www.GB-Link.com)

Dimension:

94*71*26mm