

10/100Mbps WDM Media Converter



Description

10/100M WDM media converter designed to convert 100BASE-FX fiber to 100Base-TX copper media or vice versa. Adopting WDM technology, It 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 is designed for use with single-mode fiber cable utilizing the SC-Type connector. They support wavelength (LX) laser specification at a full wire speed forwarding rate. It works at 1550nm on transferring data and at 1310nm on receiving data.

Other features of this module include the ability to be used as a standalone device (no chassis required) or with FH-NET 19" system chassis, Auto MDI/MDI-X for TX port, Auto negotiation of duplex mode on TX port, and front panel status LEDs. The will transmit at extended fiber optic distances utilizing single-mode fiber up to 100 kilometers.



www.fh-net.cn

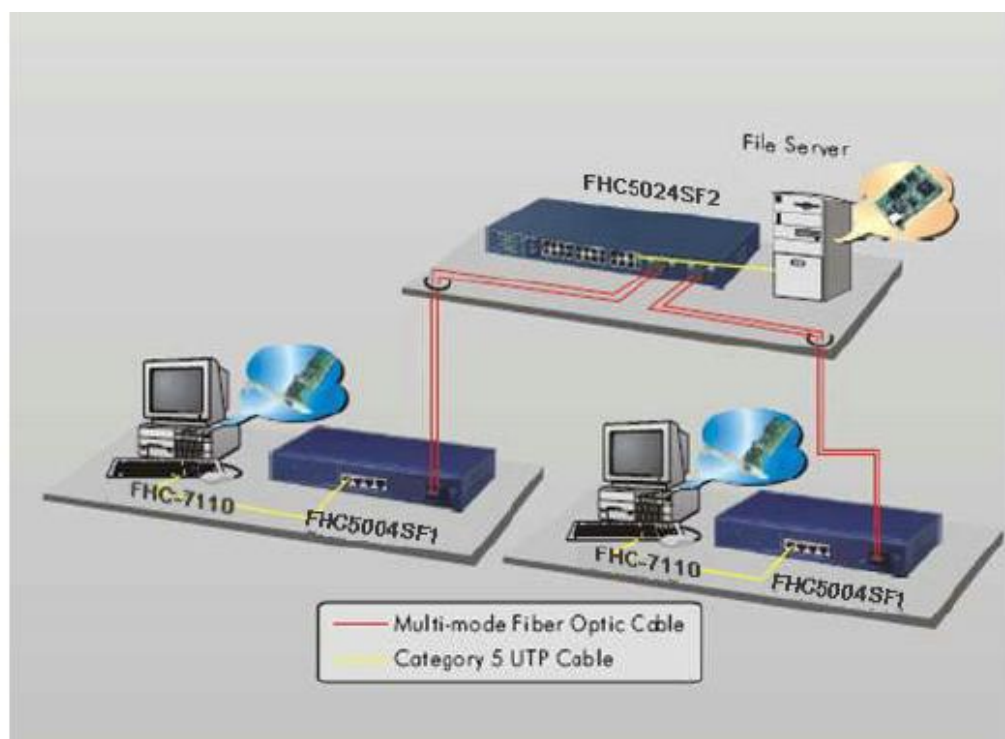
深圳市飞鸿光电子有限公司
Shenzhen FH-Net Optoelectronics Co., Ltd

EC FCC UL RoHs ISO9001:2008

Features

- ◆ Auto negotiation of 10/100Mbps and auto MDI/MDIX for TX port
- ◆ Provide switch configuration of Half-Duplex / Full-Duplex transfer mode for FX port
- ◆ Link Fault Pass through and Far End Fault minimize the loss caused by link failure timely
- ◆ Adopts WDM technology, transmitting and receiving data on one single fiber
- ◆ Extend fiber distance up to 100km
- ◆ Easy-to-view LED indicators provide status to monitor network activity easily
- ◆ External power supply

Application





Specifications

Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3x
Basic Function	Adopts WDM technology Half/Full-Duplex transfer mode for FX port Full Duplex Flow Control (IEEE 802.3x) Half Duplex Flow Control (Backpressure) Link Fault Passthrough and Far End Fault minimize the loss caused by link failure timely Extends fiber distance up to 20km
Ports	1 100M SC port 1 100M RJ45 port (Auto MDI/MDIX)
WDM TX	1550nm
Wave Length	1550nm Tx/1310nm Rx
WDM RX	1310nm
Network Media 10BASE-T	UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m)
Network Media 100BASE-T	UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m)
Network Media 100BASE-FX	Single-mode Fiber
LED Indicators	PWR, FDX/Col, Link/Act, SPD
Dimensions (W*D*H)	(93*71*2.5 mm)
Power Supply	External Power Adapter
Safety & Emission	FCC, CE, RoHS



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Environment	Operating Temperature: 0℃~40℃ (32°F~104°F) Storage Temperature: -40℃~70℃ (-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing
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Ordering information

WDM 20KM	FHC-0110-3S20B10 FHC-0110-5S20B10	10/100M standalone media converter, SM, SF,SC, 1310/1550nm, 20KM
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