MT-111CS

WDM Fast Ethernet Media Converter
Single Mode Single Fiber

Description:

The MT-111CS is a media converter designed to convert 100BASE-FX fiber to 100Base-TX copper media or vice versa. Adopting WDM technology, MT-111CS 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 MT-111CS is designed for use with single-mode fiber cable utilizing the SC-Type connector. The MT-111CS supports long wave (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 MT-111CS should work at 1310nm on transferring data and at 1550nm on receiving data. Another MT-Linkâ€˜s media converter MT-111CS is just one of the examples to cooperate with MT-111CS.

Other features of this module include the ability to be used as a stand alone device (no chassis required) or with MT-Link â€˜s19Â´Â´ system chassis, Auto MDI/MDI-X for TX port, Auto negotiation of duplex mode on TX port, and front panel status LEDs. The MT-111CS will transmit at extended fiber optic distances utilizing single-mode fiber up to 20 kilometers

Features:

Auto negotiation of 10/100Mbps and auto MID/MID-X 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 20-60km
Easy-to-view LED indicators provide status to monitor network activity easily
External power supply

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 Pass through 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
	RX	1310nm
Network Media	10BASE-T	UTP category 3, 4, 5 cable (maximum 100m)
		EIA/TIA-568 100Ω STP (maximum 100m)
	100BASE-T	UTP category 5, 5e cable (maximum 100m)
		EIA/TIA-568 100Ω STP (maximum 100m)
	100BASE-FX	Single-mod Fiber
LED Indicators		PWR, FDX/Col, Link/Act, SPD
Safety & Emission		FCC, CE
Dimensions (W*D*H)	3	.7*2.9*1.1 in. (94.5*73.0*27.0 mm)
Environment		Operating Temperature: 0□~40□ (32□~104□)
Storage Temperature: -		40□~70□ (-40□~158□)
Operating Humidity:		10%~90% non-condensing
Storage Humidity:		5%~90% non-condensing
Power Supply		External Power Adapter

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