10/100 Mbps Ethernet Single Mode WDM Fiber Media Converter Kit SC 20km

Product ID: ET90110WDM2

The ET90110WDM2 10/100 Mbps Ethernet Single Mode WDM Fiber Media Converter Kit SC (20km) lets you extend a 10/100 Mbps Ethernet connection over single mode fiber, at distances up to 20 km (12.4 mi).

The converter offers Wavelength-Division Multiplexing (WDM), enabling bi-directional communication over a single strand of fiber, essentially doubling the capacity of your existing fiber infrastructure without having to install new cabling.

The Ethernet to WDM Fiber Kit includes both endpoints (two interchangeable modules) - a simple solution for connecting 10/100Base-T networks to remote locations using SC-terminated single mode fiber. The Ethernet to Fiber Converter also features a durable all-steel chassis, and a simple plug-and-play installation with minimal configuration required.

For added versatility, this fiber media converter supports standalone operation, or one or both sides can be installed into a 20 Slot, 2U Rackmount Chassis (ETCHS2U).

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

• Provides connectivity to a user or network segment that is in an isolated area of a large complex or in another building altogether

• Suitable for environments such as government agencies, where security threats (network tapping, etc.) need to be prevented

• Connect traffic control/monitoring systems at extreme distances to the main office

• Extend network connectivity to remote areas of stadiums, auditoriums or other venues

• Converts 10/100Base-T Ethernet to 100Base-FX fiber optic signals (and back - includes both endpoints) over single mode fiber cable

Features

• WDM (Wave Division Multiplexing) technology allows the use of a single fiber cable for full-duplex bi-directional communication

• Kit includes local and remote converter module for a complete solution

• Supports standalone operation, or installation into the ETCHS2U Rackmount Chassis

• Maximum Fiber Cable Length of 20 Km

• Advanced features include Link-loss forwarding, remote status monitoring, two frame lengths

• Supports full or half-duplex operation

• Easy to use and install

Hardware		
	Warranty	2 Years
	PoE	No
	WDM	Yes
	Industry Standards	IEEE 802.3 10BASE-T
		IEEE 802.3u 100BASE-TX
		IEEE 802.3u 100BASE-FX

Performance		
	Maximum Data Transfer Rate	200 Mbps (Full Duplex Mode)
	Max Transfer Distance	20 km (12.4 mi)
	Type	Single Mode
	Wavelength	1310nm
		1550nm
	Fiber Operating Mode	Half/Full-Duplex

Auto MDIX	Yes	

Connector(s)

Local Unit Connectors	Fiber Optic SC Duplex	
	RJ-45	
Remote Unit Connectors	Fiber Optic SC Duplex	
	RJ-45	

Power

Power Source	2 AC Adapters Included	
Input Voltage	100 - 240 AC	
Input Current	0.36A	
Output Voltage	12V DC	
Output Current	1.6 A	
Center Tip Polarity	Positive	
Plug Type	M	
Power Consumption (In Watts)	19.2	

Environmental

Operating Temperature	0C to 60C (32F to 140F)	
Storage Temperature	-10C to 70C (14F to 158F)	
Humidity	10~90% RH	

Physical Characteristics

Color	Black	
Material	Steel	
Product Length	6.3 in [16 cm]	
Product Width	3.5 in [88 mm]	
Product Height	1.0 in [25 mm]	

	Weight of Product	2.7 lb [1.2 kg]

Packaging Information

	Package Length	11.0 in [27.9 cm]
	Package Width	8.3 in [21.1 cm]
	Package Height	4.0 in [10.1 cm]
	Shipping (Package) Weight	3.0 lb [1.4 kg]

What's in the Box

	Included in Package	Local Media Converter Unit
		Remote Media Converter Unit
		Universal Power Adapters (NA/EU/UK/AU)
		Grounding Screw
		Instruction Manual

*Product appearance and specifications are subject to change without notice.