

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

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.

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
- 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 1 - Fiber Optic SC Duplex

1 - RJ-45

Remote Unit Connectors 1 - Fiber Optic SC Duplex

1 - 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 [8.8 cm]

Product Height 1.0 in [2.5 cm]

Weight of Product 2.6 lb [1.2 kg]

Packaging Information

Package Quantity	1
Package Length	10.9 in [27.8 cm]
Package Width	8.3 in [21.2 cm]
Package Height	3.9 in [9.9 cm]
Shipping (Package) Weight	3.6 lb [1.6 kg]

What's in the Box

Included in Package	1 - Local Media Converter Unit
	1 - Remote Media Converter Unit
	2 - Universal Power Adapters (NA/EU/UK/AU)
	1 - Grounding Screw
	1 - Instruction Manual

Warranty Information

Warranty	2 Years
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**Product appearance and specifications are subject to change without notice.*

