ComX Computers
Product Specification Sheet

510530

Intellinet Fast Ethernet WDM Bi-Directional Single Mode Media Converter

Product Overview

Intellinet Fast Ethernet WDM Bi-Directional Single Mode Media Converter - 10/100Base-TX to 100Base-FX (SC) Single-Mode, 20 km (12.4 mi.), WDM (RX1310/TX1550)



Specifications

Overview:

The Intellinet Fast Ethernet WDM (bi-directional wavelength division multiplexing) Media Converter utilizes a single strand of fiber to transmit network traffic on separate receive and transmit wavelengths (1310/1550 nm). This innovative technology allows you to effectively use the two strands for two independent connections or to double the capacity without digging in a second fiber cable. The converter is completely transparent to the network so the network performs exactly the way it did before - only now it can support both copper and fiber mediums.

Features:

- Fiber SC-type dual-wavelength single-mode port connects over distances of up to 20 km (12.4 miles)
- Must be used with Fast Ethernet WDM Bi-Directional Single Mode Media Converter, model 510547
- Data transfer rate: 100 Mbps
- WDM (wavelength division multiplexing) technology utilizes only one strand of fiber to transmit data on separate receive and transmit wavelengths
- Wavelengths: receive (RX), 1310 nm; transmit (TX), 1550 nm
- 10/100Base-TX RJ45 port, maximum distance 100 m / 300 ft. (Cat5e and better)
- RJ45 port with Auto MDI/MDI-X support
- 100Base-FX single-mode fiber SC port
- Status LEDs for easy monitoring of device status
- Functions as a stand-alone converter or can be used with the 14-slot Media Converter Chassis, model 507356
- External power adapter, 5 VDC

Expands the Size of an Existing Network
This converter provides fiber connectivity to Ethernet segments, allowing for even further networking expansion between extended workgroups. It also provides building-to-building connectivity without the cost and disruption associated with the installation of additional routers.

Enhances the Distance between Networking Devices

Connecting the converter to fiber segments can further extend distances between networking nodes. This can be achieved by direct connection between the converter and a fiber-based node or networking device.

Cabling Flexibility

Network managers can install fiber cabling anywhere within a network without changing the arrangement of copper-based Ethernet. The compact size of the converter allows it to be easily deployed in any narrow desktop location or to be used in a wallmount installation. Several converters can be simultaneously installed into a 19" rack-mountable chassis.

Specifications:

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Specifications	
Product Code	510530
Standards	IEEE 802.3 (Twisted Pair Ethernet)
	IEEE 802.3u (Twisted Pair/Fiber Optic Fast Ethernet)
General	Media support:
	- 10/100Base-TX Cat5e or higher UTP/STP RJ-45
	- 100Base-FX single-mode 9/125 µm fiber
	Connectors:
	- RJ-45 port, 10/100Base-TX
	- Fiber SC port, 100Base-FX
	Distances:
	- 20 km / 12.4 mi. (9/125 µm fiber cable)
	- 100 m / 300 ft. (RJ45 cable)
	Wavelengths:
	- Receive (RX): 1310 nm
	- Transmit (TX): 1550 nm
	Power output: -15 - -3 dBm
	RX sensitivity: <=-32 dBm
	Signal loss: 0.2 dB/km
	MTBF > 100,000 hours
	Certifications: FCC Class A, CE
LEDs	Power
	Link/Activity
	Full Duplex/Collision
	100 Mbps link speed indicator for RJ45 port
	Link indicator for fiber port

Power	External power adapter: 12 VDC, 1.2 A
	Power consumption: 2.5 Watts (maximum)
Environmental	Metal housing
	Dimensions: 105 (L) x 69 (W) x 25 (H) mm (4.13 x 2.72 x 0.98 in.)
	Weight: 180 g (0.4 lbs.)
	Operating temperature: 0 - 50 degreesC (32 - 122 degreesF)
	Operating humidity: 10 - 80% RH, non-condensing
	Storage temperature: -20 - 70 degreesC (-4 - 158 degreesF)
Package Contents	Fast Ethernet WDM Bi-Directional Single Mode Media Converter
	External power adapter
	Instructions

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/510530-Intellinet-Fast-Ethernet-WDM-Bi-Directional-Single-Mode-Media-Converter-p-161485.php

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