

EtherNodePlus Model OTEN-WC-01 Media and Wavelength Converter, SFP-SFP

Features / Benefits

Converts optical signals between single-mode, multi-mode, and CWDM wavelengths to easily extend network range using interchangeable SFP modules.

Supports a full range of SFP modules offering various transmission speeds from 10Mb/s to 2.5Gb/s. (Note: Both SFP's used in the mode converter must support the same data rate.)

Supports OC3, OC12, and OC48 data rates.

SFP modules are hot-swappable; no need to remove power from the chassis when upgrading or troubleshooting a single module.

Compact size conserves space and supports two SFP ports.

Wide operating temperature of 0°C to +50°C.

Uses a 5V_{DC} external power supply. A universal AC power supply is included with the Wavelength Converter



The OLSON TECHNOLOGY, INC. Model OTEN-WC-01 *EtherNodePlus* Media and Wavelength Converter allows network operators to incorporate multiple fiber types within a network. The converter provides the ability to accomplish this by working with existing equipment, eliminating replacement costs. The units convert between single-mode, multimode, and CWDM transmission wavelengths or it can be simply used to boost digital signals at an intermediate point. This flexibility allows operators to easily extend network range to reach more remote locations.

The OTEN-WC-01 includes two SFP ports. Operation is protocol independent, and the modules easily convert between dissimilar fiber modes and wavelengths. The small form factor is hot-swappable. The unit offers a very compact size and multiple mounting options.

System Specifications

Ethernet Specifications

SFP Ports: Two (2)
 Cables: Optical Fiber
 UTP
 Compliance: SFP-MSA SFP standard, SFF-8472-DDMI Standard
 (Can use all IMSA compliant SFP devices.)
 Data Rate: 10Mb/s to 2.5Gb/s. Both SFP modules used in the
 converter must support the same data rate.
 Standards: Supports OC3, OC12, and OC48
 LED Indicators: Power, SFP1 Connection Good, SFP2 Connection
 Good

Electrical and Environmental Characteristics

	Min	Typ	Max	Units
Converter Power Requirement (Note 1)		5		V _{DC}
		290		mA
Power Supply Voltage	100		240	V _{AC}
	50		60	Hz
		300		mA
Operating Temp. Range	-0		+50	°C
Humidity (RH Non-Cond.)	5		90	%

Note 1) Using Model OTOLS-1312-30 SFP module.

Physical Characteristics

	Min	Typ	Max	Units
Weight		5.8		oz.
		160		g
Weight w/ 2 SFP Modules		6.9		oz.
		195		g
Dimensions (L x W x H)	1.02 x 2.79 x 3.66			in.
	26 x 71 x 93			mm

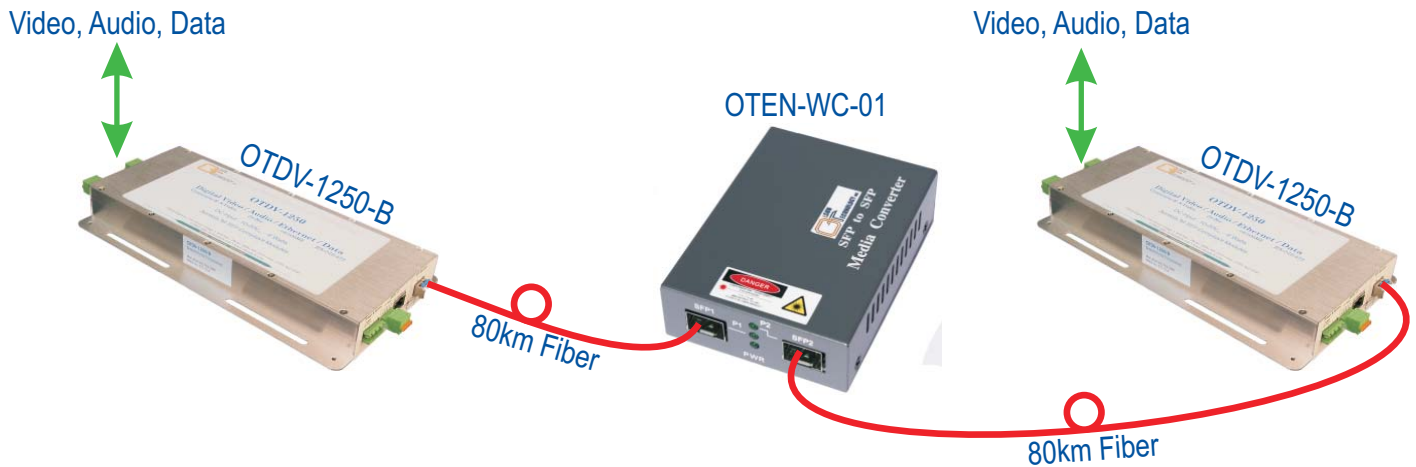


Figure 1 - Typical Application of an OTEN-WC-01 as a Digital Signal Booster

Ordering Information

Model OTEN-WC-01 Media and Wavelength Converter; SFP to SFP, Supplied with External +5 Volt DC Power Supply
 Model OTOLS-8512-02 1.25Gb/s SFP Module, MM, 850nm
 Model OTOLS-1X12-XX 1.25Gb.s SFP Module, SM, 1310nm, 1550nm, and CWDM
 Model OTOLS-BI1X12-XX 1.25Gb/s SFP Module, SM, BiDi, 1310nm/1550nm