Trademarks

Contents subject to revision without prior notice.

All trademarks remain the property of their respective owners

Copyright Statement

This publication may not be reproduced as a whole or in part, in any way whatsoever unless prior consent has been obtained from owner.

FCC Warning

The OPTOLINX WDM MEDIA CONVERTER has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These standards are designed to provide reasonable protection against harmful interference when this device is operated in a commercial environment. This device generate, use, and can radiate radio frequency energy and may cause harmful interference to radio communications unless installed in accordance with this User's Guide. Operation of this device in a residential area is likely to cause harmful interference in which cases the user is responsible for taking appropriate remedial action at his/her own expense.

CE Mark Warning

This is class A products. In a domestic environment this product may cause radio interference in which case the user will need to consider adequate preventative methods.

1. Checklist

Your OPTOLINX WDM MEDIA CONVERTER carton should contain the following items:

- OPTOLINX WDM MEDIA CONVERTER
- AC-DC Power Adapter
- User's guide

Please notify your sales representative immediately if any items are missing or damaged.

2. Overview

The OPTOLINX WDM MEDIA CONVERTER is designed to meet the emerging network deployment needs. This cost effective solution allows user to extend their network distance up to 20KM via optical fiber.

In addition, the OPTOLINX WDM MEDIA CONVERTER adopts WDM technology, enabling communication via a single optical fiber. The OPTOLINX WDM MEDIA CONVERTER provides the most cost effective way to double the bandwidth of an existing fiber network.

Besides being a traditional converter, the OPTOLINX WDM MEDIA CONVERTER also has built-in monitoring & self-diagnostic functions to guarantee operation. These smart monitoring functions allow users to maintain and diagnose their critical fiber network more efficiently.

The OPTOLINX WDM MEDIA CONVERTER is fully compliant with IEEE 802.3, 802.3u standards. Installation and operation procedures are simple and straightforward. Operation status and Smart Monitor may be monitored through the LED or the Buzzer.

Feature and Benefits

- 10/100Base-TX to 100BASE-FX Converter
- Complies with IEEE 802.3, 802.3u standards
- Interface: 1 * RJ-45 connector
  1 * SC Duplex connector
- MDI/MDIX Auto-Crossover supported
- Supports Remote Look Back Diagnostic
- Supports local and remote status monitor: fiber link status monitor and testing mode status
- Supports Diagnostic testing

3. Installation

The installation procedure is simple and straightforward:

- Attach fiber cable from the OPTOLINX WDM MEDIA CONVERTER SC connector to the fiber network.
- Attach a UTP cable from the OPTOLINX WDM MEDIA CONVERTER RJ-45 connector to the copper network.
- Connect the power adapter to the OPTOLINX WDM MEDIA CONVERTER and check that the Power LED lights up. The TP Link and FO Link LED will turn on when all the cable connections are satisfactory.

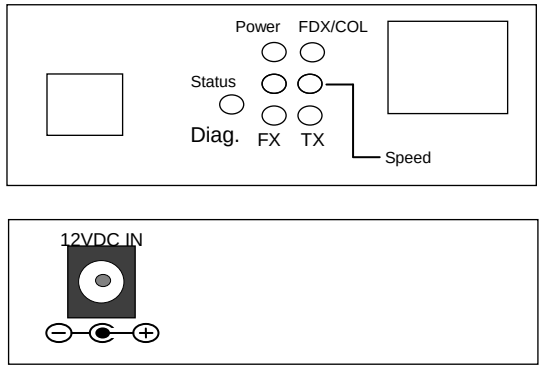


Fig. 1, 2 OPTOLINX WDM MEDIA CONVERTER Front and Rear view

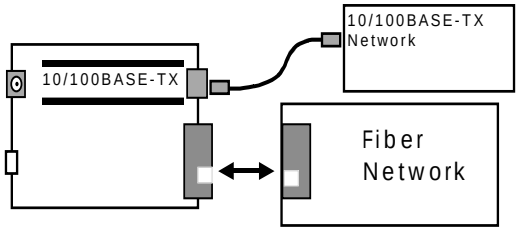


Fig. 3 Basic Network Connection

4. LED Description

LED	Color	Function
Power	Green	Lit when power is available
TX/Link ACT	Green	Lit when TP cable connection with remote device is good
FX/Link ACT	Green	Lit when Fiber cable connection with remote device is good
FDX/COL	Green	Lit when TP works in Full Duplex mode
Status	Green	Lit when Local or Remote Fiber link is O.K.
		Blinking when testing success
	Orange	Lit under below condition: Remote/ Local FX/TX port link down Connect device not 2312 series
		Blinking when testing failure
10/100M	Green	Lit when TP link in 100M

5. Technical Specifications

Standards : IEEE 802.3, 802.3u

Interface: 1 X RJ45 connector
1 X SC Duplex connector

Diagnostic LED: Power, TX/Link ACT, FX/Link ACT
FDX/COL, Status, Speed

Power Consumption 3.5W

Shipping Weight 2LB

Dimensions: 119mm × 86mm × 25 mm(W x D x H)

Temperature : Operating: 0 ~ 50 °C
Storage: -20 ~ 60 °C

Humidity: 5% ~ 90% RH

Emission: EMI: FCC/CE Class A

UTP Cat. 5 UTP cable

Fiber 8.3/125, 8.7/125, 9/125 or 10/125μm single-mode

Please perform Power On reset after modifying the Dip Switch setting and firmware update

FCS-2312WX

10/100Base-TX to 100Base-FX
Smart Diagnostic
WDM Converter

User's Guide

v1.2

www.antaira.com

PN:6305X2312300XXX