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FCC Warning

The FTC-3012 media converters have 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 these devices are operated in a commercial environment. These devices 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 these devices in a residential area is likely to cause harmful interference which will make the user responsible for the appropriate remedial action at his / her own expense.

CE Mark Warning

These are Class A products. In a domestic environment these products may cause radio interference in which case the user will need to consider adequate preventative methods.

1. Checklist

The package should contain the following items:

- 1 x FTC-3012 Media Converter With Cable Tray
- 1 x Dust-Resistant Cover
(Note: This accessory is optional depending on your order.)
- 1 x AC-DC Power Adapter
- 1 x User's Guide

2. Overview

FTC-3012 is a P2P Gigabit Ethernet fiber media converter that suits best for anyone intent on FTTH point-to-point implementation with highly user-friendly installation.

The cable management unit that comes with the media converter delivers the enhanced flexibility, fulfilling multiple scenarios of various network deployments. Moreover, the innovative and smart connecting measure—Ethernet follow fiber link state/speed feature—will surely bring you many benefits that guarantee you an enjoyable internet experience.

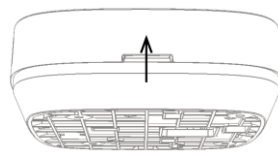
Major Features:

- Non-Blocking Switching Fabric: 2Gbps
- Auto MDI/MDI-X and Auto-Negotiation in TP Ports
- Gigabit Dual Rate Fiber with Auto-Sensing
- Store and Forward Switching Mechanism
- Support Jumbo Frame 9K Bytes
- Support F/O 1G Auto-Negotiation Mode
- Ethernet Follow Fiber Port Link State/Speed

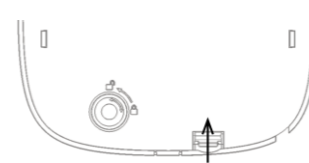
3. Installation

To install the equipment and establish a network connection, perform the following procedures.

Separate FTC-3012 media converter into individual parts prior to the actual installation

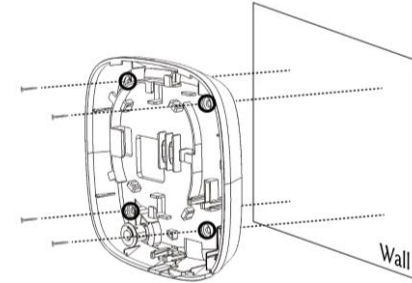


Step 1. Push the securing clip upward to detach the FTC-3012 active unit from the cable tray.

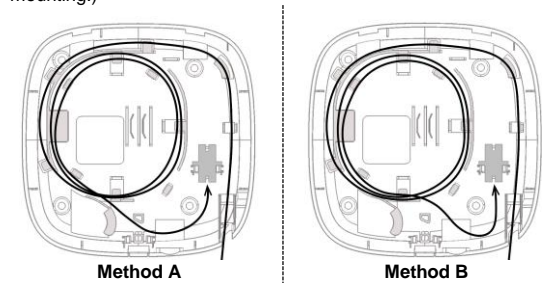


Step 2. Push upward the securing clip on the top cover of the cable tray. (Note: The key lock is optional depending on your order.)

Mount the equipment and connect to a network

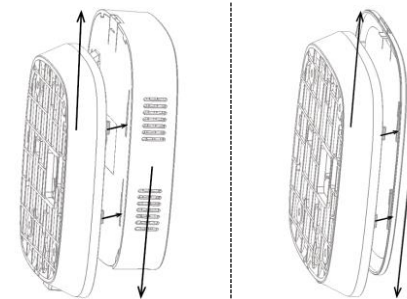


Step 1. Place the cable tray at the desired location and secure it with four self-tapping pointed screws. (Note: The diameter of each screw head should be between 4.4mm and 8.8mm to ensure firm mounting.)



Step 2. Adopt either **Method A** or **Method B** to install the fiber optic cable into the cable tray according to the instructions. (Note: This step should be done by qualified service personnel.)

Step 3. Put back the top cover of the cable tray.



Step 4. Fit the tenon and mortise joints together, and vertically slide down the FTC-3012 active unit or the dust-resistant cover against the cable tray. (Note: The dust-resistant cover is optional depending on your order.)

Step 5. Attach a UTP cable from the 10/100/1000Base-T network to the RJ-45 port of FTC-3012.

Step 6. Connect the power adapter to FTC-3012 and check the LED indication to ensure a steady power supply and a healthy network connection.

4. LED Description

LED	Color	Function
Power	Off	Power isn't available.
	Green	Power is available.
Status	Off	The device isn't initiated satisfactorily.
	Green	The device is in normal operation.
	Orange	Either F/O or TP link isn't up. Blinking when the system isn't operating normally.
Fiber	Off	F/O link is down.
	Green	F/O link is up and in 1000Mbps. Blinking when F/O traffic is present and in 1000Mbps.
	Orange	F/O link is up and in 100Mbps. Blinking when F/O traffic is present and in 100Mbps.
Ethernet	Off	TP link is down.
	Green	TP link is up and in 1000Mbps. Blinking when TP traffic is present and in 1000Mbps.
	Orange	TP link is up and in 10/100Mbps. Blinking when TP traffic is present and in 10/100Mbps.

5. Technical Specifications

Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z	
Interface	1 x 100/1000Mbps BOSA SC/UPC connector 1 x 10/100/1000Mbps RJ-45 port	
LED	Power, Status, Fiber, Ethernet	
Power	I/P AC 100~240V O/P DC 12V, 1A	
Power Consumption	Maximum: 2.04W	
Weight	340g	
Dimensions (W x D x H)	Overall Size: 150 x 150 x 53mm Active Unit: 150 x 150 x 43mm Cable Tray: 145 x 145 x 23mm	
Temperature	Operating: 0°~45°C Storage: -20°~60°C	
Humidity	5%~90% RH non-condensing	
Certification	FCC/CE Class A	
Media	TP:	EIA/TIA-568 CAT 5e, 1000Mbps
	Fiber:	9/125 or 10/125µm single-mode

* Please contact us for further reports and updates.

NOTE: Specifications may change without prior notice.

6. Fiber Transceiver Information

Dual Rate

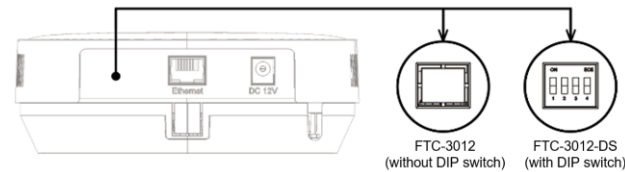
2 Wave-Length WDM

TYPE	W2A(SM-10)
Connector Type	SC/UPC
TX Wavelength	1310nm
RX Wavelength	1550nm
Typical Distance	10km

NOTE: Specifications may be changed without prior notice.

APPENDIX A: Model Distinction

You may refer to the figure down below and check the front panel of your media converter to discern which type the model is.



FTC-3012

10/100/1000Base-T to 100/1000Base-X Gigabit Fiber Termination Media Converter With Cable Tray

User's Guide

Version 1.0

Contact Information

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