FTC-3012

1 x 10/100/1000Base-T RJ-45 +

1 x 100/1000Base-X BOSA
SC/UPC Connector

Gigabit Fiber Termination Media
Converter With Cable Tray

Description

Connection Technology System (CTS) FTC-3012 is a gigabit fiber termination media converter equipped with a cable tray unit. Fully compliant with IEEE802.3, IEEE802.3u, IEEE802.3ab, and IEEE802.3z standards, it comes with 1 x 10/100/1000Base-T RJ-45 port and 1 x 100/1000Base-X BOSA with pigtail SC/UPC connector.

The minimalistic appearance of FTC-3012 goes with nearly all the interior design styles, blending nicely into the atmosphere in your personal space. Without compromising the capacity of a media converter, FTC-3012 also provides reliable copper-to-fiber conversion, network distance extension, and a range of handy functionality such as store-and-forward switching mechanism, auto-negotiation, and auto MDI/MDIX crossover.

The simplicity enabled by the slide-in design makes possible a highly straightforward, user-friendly installation; smooth and safe detachment of components in case of a unit replacement is now possible too; and what's been also taken care of is the dust-resistance and damage-prevention of the sensitive fiber optic cable.

Building a FTTX network can surely promise maximum network bandwidth and faster internet speed. Yet, the drawback is the intimidating OPEX, the costs a company incurs for running its day-to-day operations. With FTC-3012, the do-it-yourself design and intuitive installation will help you trim down the overhead costs from technical dispatches to customer premises, which in return translates to much more revenue of your company.

■ **Cable Tray Design**

Besides the minimalistic design fitting for typical home environment, the cable tray design enables easy, OPEX-saving fiber installation.

■ **Simple Slide-in Installation**

This highly self-explanatory and intuitive installation mechanism requires only a single slide-in action, with the extra benefits of dust-resistance and damage-prevention.

■ **Optional Key Lock**

Effectively avoid end-users from opening the bottom cover after the installer completes the interior wiring of the fiber cable.

■ **Deployment Flexibility**

The cable tray is compatible with different CTS product series, fulfilling multiple scenarios of various network deployments.

■ **Operational Expense Reduction**

The do-it-yourself slide-in feature enables the network operator to save the cost of technician dispatches to customer premises.

Target Applications

■ **FTTX point-to-point implementation with the highly user-friendly installation and protective cable tray.**

CTS

■ **Interface**
-F/O Port (Type):
 1 x 100/1000Mbps (TX:1310/RX:1550nm with BOSA
 SC/UPC connector)
-TP Port (Type):
 1 x 10/100/1000Mbps (RJ-45)

■ **Standards**
-IEEE802.3 10Base-T
-IEEE802.3u 100Base-TX/FX
-IEEE802.3ab 1000Base-T
-IEEE802.3z 1000Base-X

■ **H/W Specification**
-Non-Blocking Switching Fabric: 2Gbps
-Store and Forward Switching Mechanism
-Auto-Negotiation in TP Ports
-Auto-Crossover for MDI/MDIX in TP Ports
-Jumbo Frame: 9K Bytes
-DIP Switch (for FTC-3012-DS model only)
 Pin 1: F/O Speed Auto-Sensing
 Pin 2: F/O 1G Force/Auto Mode
 Pin 3: Ethernet Follow Fiber Link State
 Pin 4: Ethernet Follow Fiber Link Speed

■ **LED**
-Power, Status, Fiber, Ethernet

■ **Forward/Filter Rate**
-10M: 14,880/14,880pps
-100M: 148,800/148,800pps
-1000M: 1,488,000/1,488,000pps

■ **Power Requirement**
-AC to DC Power Adaptor
 Input: 100 ~ 240VAC, 50/60Hz
 Output: 12VDC, 1A
-Power Consumption (Max.): 2.04W

■ **Environmental Condition**
-Operation: 0˚C ~ 45˚C
-Storage Temperature: -20˚C ~ 60˚C
-Humidity: 5% ~ 90%, Non-condensing

■ **Dimension & Weight**
-Overall Size: 150 x 150 x 53mm (W x D x H)
 (cable tray included in height measurement)
-Active Unit: 150 x 150 x 43.3mm (W x D x H)
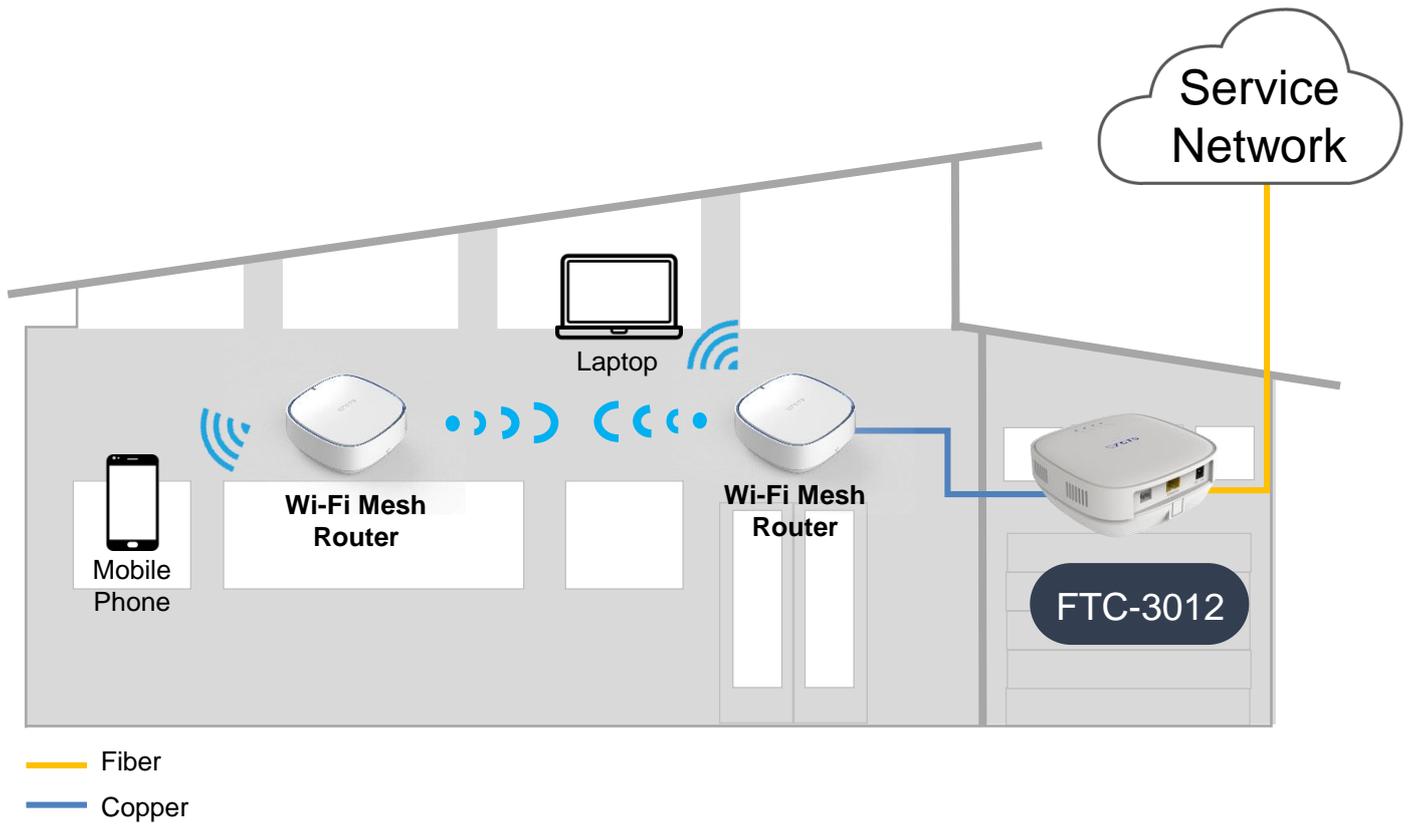-Cable Tray: 145 x 145 x 22.5mm (W x D x H)
-Weight: 340g

■ **EMC/Safety**
-FCC Class A, CE

* Under development function
** Future feature

Application Diagram

Fiber

Copper

Order Information

FTC-3012

Model	Fiber Port					TP Port		Support Power Source
	Speed	Type	Connector	Distance	Port	Speed	Port	
FTC-3012BW2A(SM-10)-DR-DS*	100/1000M	WDM	SC/UPC	10KM	1	10/100/1000M	1	External power adapter
FTC-3012BW2A(SM-10)-DR	100/1000M	WDM	SC/UPC	10KM	1	10/100/1000M	1	External power adapter

* Equipped with a 4-Pin DIP switch

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