



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.

Features

■ 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

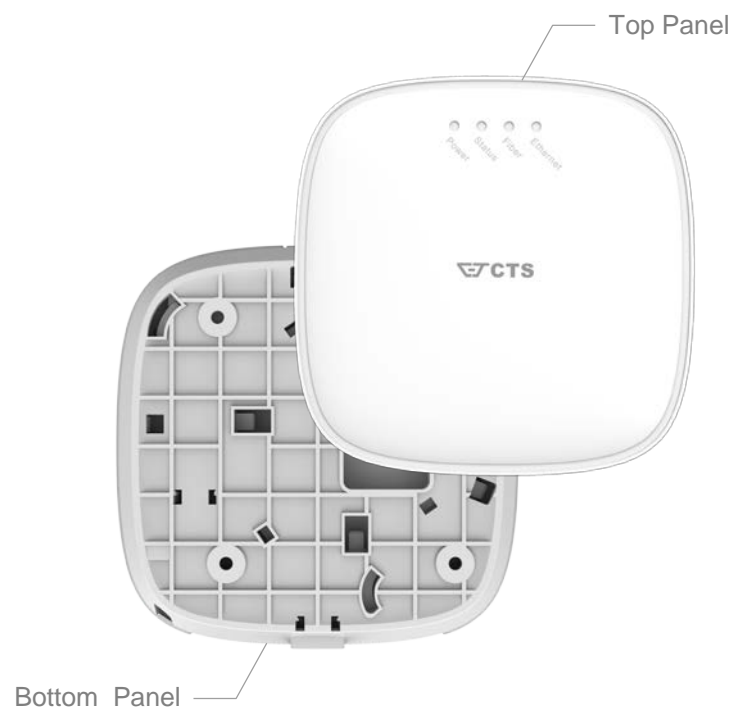
The do-it-yourself slide-in feature enables the network operator to save the cost of technician dispatches to customer premises.

Target Applications

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



* The 4-Pin DIP switch is for FTC-3012-DS model only



Specification

■ 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
- MAC Address Table: 2K
- 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
- Max. Power Consumption: 2.04W (6.96BTU/h)

■ Environmental Condition

- Operation: 0°C ~ 45°C
- Storage Temperature: -20°C ~ 60°C
- Humidity: 5% ~ 90%, Non-condensing

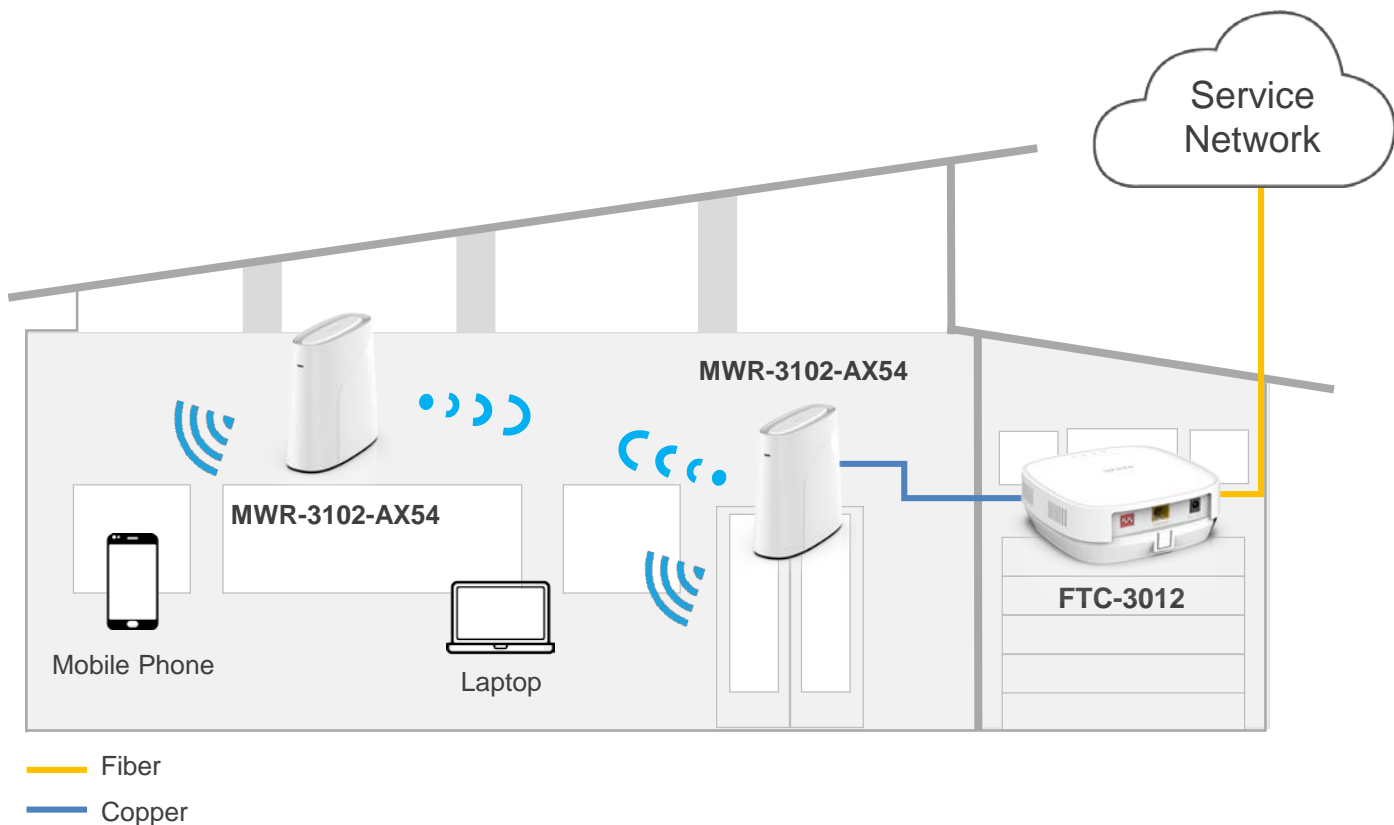
■ Dimension & Weight

- Overall Size: 150 x 150 x 53mm (W x D x H)
(cable tray included in the height measurement)
- Main 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

Application Diagram



Order Information

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

Connection Technology Systems Inc. (HQ)
 Tel.: +886-2-2698-9661
 E-mail: cts_esales@ctsystem.com
info@ctsystem.com
 Sales Direct Line: +886-2-26989201

Connection Technology Systems NE AB
 Tel: +46-31-221980
 E-mail: info@ctsystem.se

Connection Technology Systems Central Europe (COMPONET Handels GmbH)
 Tel: +43-1-235 05 66-0
 E-mail: cts_ce@ctsystem.com



Connection Technology Systems Japan
 Tel: +81-6-6450-8890
 E-mail: cts_japan@ctsystem.com

Connection Technology USA Inc.
 Tel: +1-510-509-0304
 Sales Direct Line: +1-510-509-0305
 E-mail: cts_us@ctsystem.com

Connection Technology Systems India Private Limited
 E-mail: kirti_simha@ctsystem.com

Connection Technology Systems (CTS) reserves the right to change specification without prior notice.