

HET-3012 Series Media Converter



10/100/1000Base-T to 1000Base-X or
10/100/1000Base-T to 100/1000Base-X
Standalone Media Converter



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Features

- **Easy To Install And Use**
With Auto-MDI/MDI-X and 10/100/1000Mbps auto-senses support. If network device connected to the CPE Switch is never need crossover cables and adjusts running at 10/100/1000Mbps speed
- **9K Bytes Jumbo Frame Size**
Support jumbo frame size 9K bytes to ease the network traffic loading and facilitate IPTV service
- **Built-in Cable Tray**
Keep excessive fiber inside the box. Save extra cost of buying a separate cable tray as well as saving installation space

Target Applications

- **FTTX implementations. Point-to-point fiber connection for long distance**

**  For Specific Model.
Please check Order Information for details.

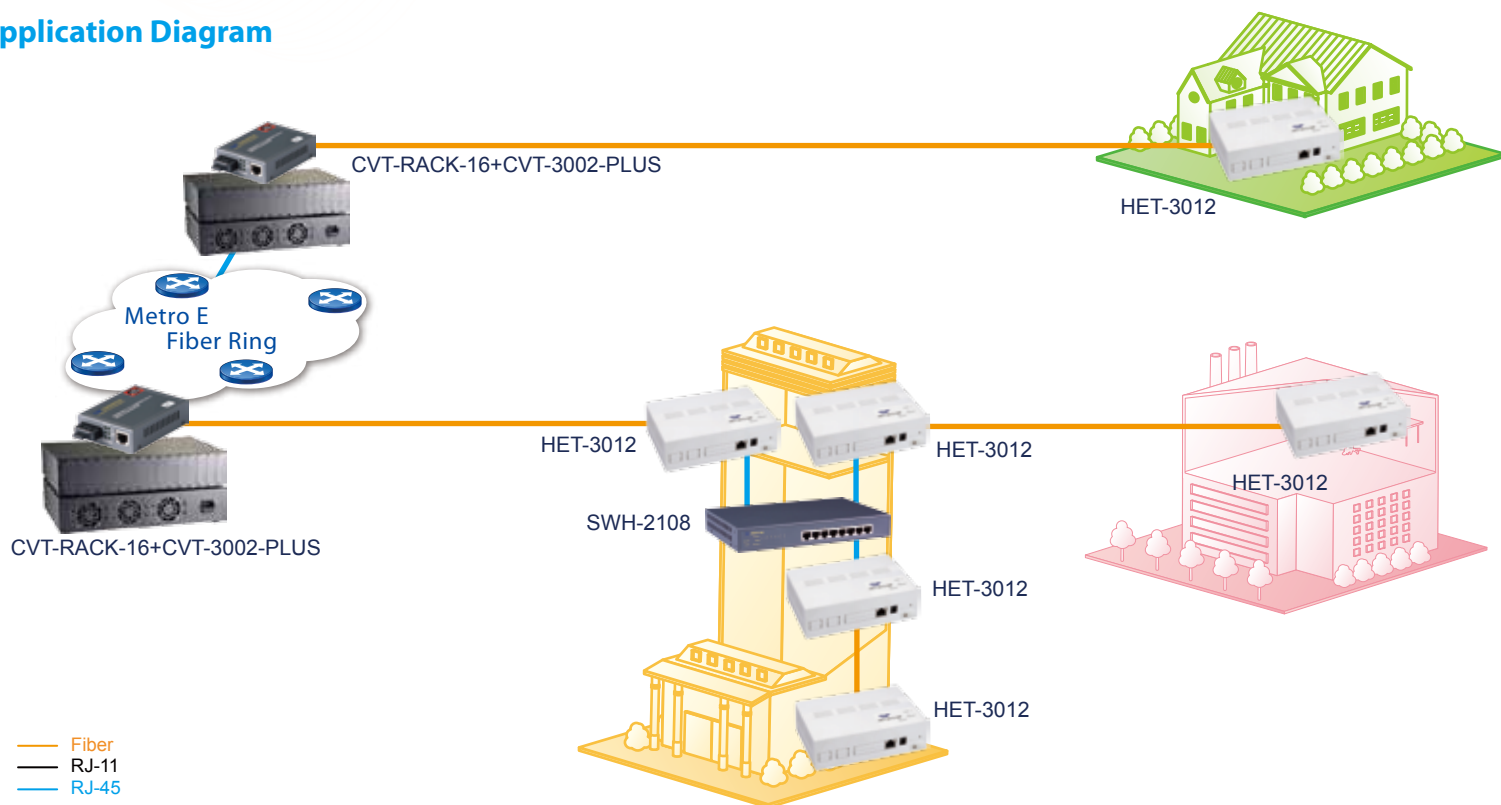
Description

Connection Technology Systems (CTS) HET-3012 series media converter are the Gigabit Ethernet 10/100/1000 Base-TX to 1000Base-X media converter. The HET-3012 series media converter converts traditional twisted-pair RJ45 cable into various fiber media including multi-mode, single-mode, SC connector, bi-directional wdm, or a SFP slot for pluggable fiber transceiver. The traditional transmission distance of 100m over RJ45 copper can be extended from 550m to 80km over fiber.

HET-3012 series media converter is fully compliant with IEEE 802.3, 802.3u, 802.3ab & 802.3z standards. Besides, it is equipped with some switching features including flow control and store and forward.

The installation and operation are simple and straightforward. The operation status can be monitored through a set of diagnostic LED indicators on the front panel. It is especially designed for network operators, metro Ethernet providers, enterprises, SMB, who have the need of implementing fiber optical Ethernet networks over long distance, for FTTX solutions, and are looking for an effortless and reliable 1000Mbps media converter.

Application Diagram



Specification

Interface

TP Port
10/100/1000Base-TX RJ45 x 1
F/O Port
1000Base-X x 1 or 100/1000Base-X

Standards

IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX/FX
IEEE 802.3ab 1000Base-T
IEEE 802.3z 1000Base-X
IEEE 802.3x Flow Control

H/W Specification

Auto-Negotiation in TX port
MDI/MDIX Auto-Crossover supported
2K MAC Address Table
128K Memory Buffer

LED

Power, F/O Link/Act, TX Link/Act

Ethernet Features

Support 9K Bytes jumbo frame
Support Flow Control
Store and Forward Switching Mechanism

Power Requirement

Power adaptor
- AC input: 100VAC~240VAC
- Frequency range: 50~60Hz
- DC output: 12V, 1A
Power Consumption:
- AC side: 4.57W
- DC side: 3.36W

Environmental Condition

Operation: 0° ~ 50°C
Storage Temperature: -20° ~ 60°C
Humidity: 5% ~ 90%, non-condensing

Dimension & Weight

Size: 160 x 116 x 45mm (WxDxH)
Shipping Weight: 0.57KG

EMC/Safety

FCC Class A, CE
* For further reports, please contact us for update

Order Information

MODEL	FIBER PORT					TP PORT		SUPPORT POWER SOURCE
	Speed	Type	Connector	Distance	Ports	Speed	Ports	Power Type
HET-3012BTFC	1000	MM	SC	550M	1	10/100/1000	1	External Power adapter
HET-3012BTFC(SM-10/20/30/50/80)	1000	SM	SC	10/20/30/50/80KM	1	10/100/1000	1	External Power adapter
HET-3012W2A(SM-10/20/40)	1000	WDM	SC	10/20/40KM	1	10/100/1000	1	External Power adapter
HET-3012W2B(SM-10/20/40)	1000	WDM	SC	10/20/40KM	1	10/100/1000	1	External Power adapter
HET-3012W2A(SM-10/20)-DR	100/1000	WDM	SC	10/20KM	1	10/100/1000	1	External Power adapter
HET-3012W2B(SM-10/20)-DR	100/1000	WDM	SC	10/20KM	1	10/100/1000	1	External Power adapter
HET-3012SFP-DR	100/1000	SFP	-	-	1	10/100/1000	1	External Power adapter

Built-in Cable Tray Overview



* This is an overview of CTS HET series cable tray ONLY, and does not represent product details.