

HET-100 Series Media Converter



10/100BASE-TX to 100BASE-FX Standalone
Media Converter

Features

- **The World-wide media converter in pearl-white box**
It is transformed from the World 1st switching converter, HET-100, into an eye-catching white box
- **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
- **The World-wide Effortless and Reliable Media Converter**
The almost "set-it-and-forget-it" media converter is for minimizing network implementation and maintenance efforts
- **9K Bytes Jumbo Frame Size**
Support jumbo frame size 9K bytes to ease the network traffic loading and facilitate IPTV service
- **Link Alarm**
When UTP or fiber port is down during operation, the other port will be automatically turned off to alert the user

Target Applications

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

Description

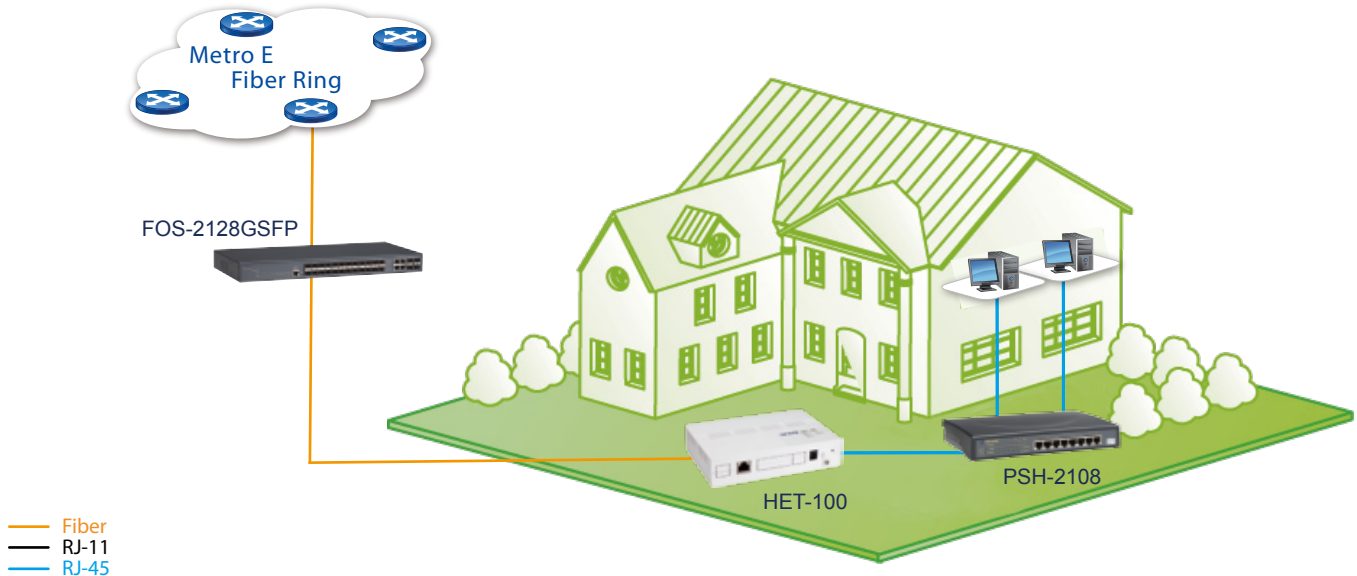
Connection Technology Systems (CTS) HET-100 series media converter are the Fast Ethernet 10/100Base-TX to 100Base-FX media converter within an eye-catching pearl-white box, plus a built-in cable tray. Often, the fiber is intentionally left longer than it actually needs. With the built-in cable tray, it allows users to enclose the excessive fiber within the box, providing extra protection for the sensitive fiber.

The HET-100 series media converter converts traditional twisted-pair RJ45 cable into various fiber media including multi-mode, single-mode, SC/ST/MR 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 2km to 100km over fiber.

HET-100 series media converter is fully compliant with IEEE 802.3 & 802.3u standards. With the built-in switch ASIC chip, it has turned HET-100 series to become more like a two-port switch rather than like an ordinary converter. User can get many switch benefits such as segmentation, frame checking and error filtering. Additionally, Link Alarm feature enables administrator to monitor the fiber link more easily.

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 service provider, SMB, SOHO, and home user who have the need of implementing fiber optical Ethernet networks over long distance, for FTTx solution, and are looking for an effortless, reliable, economical and beautiful 100Mbps media converter.

Application Diagram



Specification

Interface

TP Port
10/100Base-TX RJ45 x 1
F/O Port
100Base-FX x 1

Standards

IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX/FX
IEEE 802.3x Flow Control

H/W Specification

Store and forward switching mechanism
Auto-Cross over for MDI/MDI-X in TP port
Auto-Negotiation in TP port Full/Half Duplex
Mode Operation
1K MAC address table
48K bytes memory buffer
Link Alarm

LED

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

Ethernet Features

Support 9K Bytes jumbo frame
Support Flow Control

Network Management

Built-in Cable Tray
DIP Switch

Power Requirement

Power adaptor
- AC input: 100VAC~240VAC
- Frequency range: 50~60Hz
- DC output: 12V, 1A
Power Consumption: 2.5W

Environmental Condition

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

Dimension & Weight

Size: 160 x 110 x 36 mm (WxDxH)
Shipping Weight: 1KG

EMC/Safety

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

Order Information

MODEL	FIBER PORT					TP PORT	
	Speed	Type	Connector	Distance	Ports	Speed	Ports
HET-100BTFC	100	MM	SC	2KM	1	10/100	1
HET-100BTFT	100	MM	ST	2KM	1	10/100	1
HET-100BTFC (SM-30/50/80/100)	100	SM	SC	30/50/80/100KM	1	10/100	1
HET-100BTFMR	100	MM	SC	2KM	1	10/100	1
HET-100W2A(SM-20/40)	100	WDM	SC	20/40KM	1	10/100	1
HET-100W2B(SM-20/40)	100	WDM	SC	20/40KM	1	10/100	1
HET-100SFP	100	SFP	-	-	1	10/100	1



Cable Tray Overview



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