HET-3005 Series CPE Switch

4 ports 10/100/1000Mbps RJ-45 + 1 port
1000Mbps fiber optics uplink Ethernet CPE Switch

Cable tray | Green | Dual rate fiber **

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 byte Jumbo frame
  The standard Ethernet frame is defined the maximum transmission unit as 1500 Bytes of payload. When the packet frame size is large than 1500 bytes, it is called as "jumbo" frame size. The HET-3005 series support the transmission of jumbo frame, the same amount of data can be transmitted with less effort and increase the throughput by allowing the system to concentrate on processing the data in the frames, instead of the frame around the data. Therefore, the HET-3005 can effectively ease the network traffic by supporting jumbo frame feature. The characteristic of rapidly transmitting jumbo frame is specially helpful for multicast application such as IPTV service.

- Support IGMP Snooping V1/V2
  Hardware based IGMP snooping to quickly plug-n-play for IPTV service deployment without complicated configuration setting required

- 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

- SOHO & Residential Gigabit CPE switch which requires quickly plug-n-play for FTTX service deployment

** Dual rate fiber For Specific Model.
Please check Order Information for details.

Description

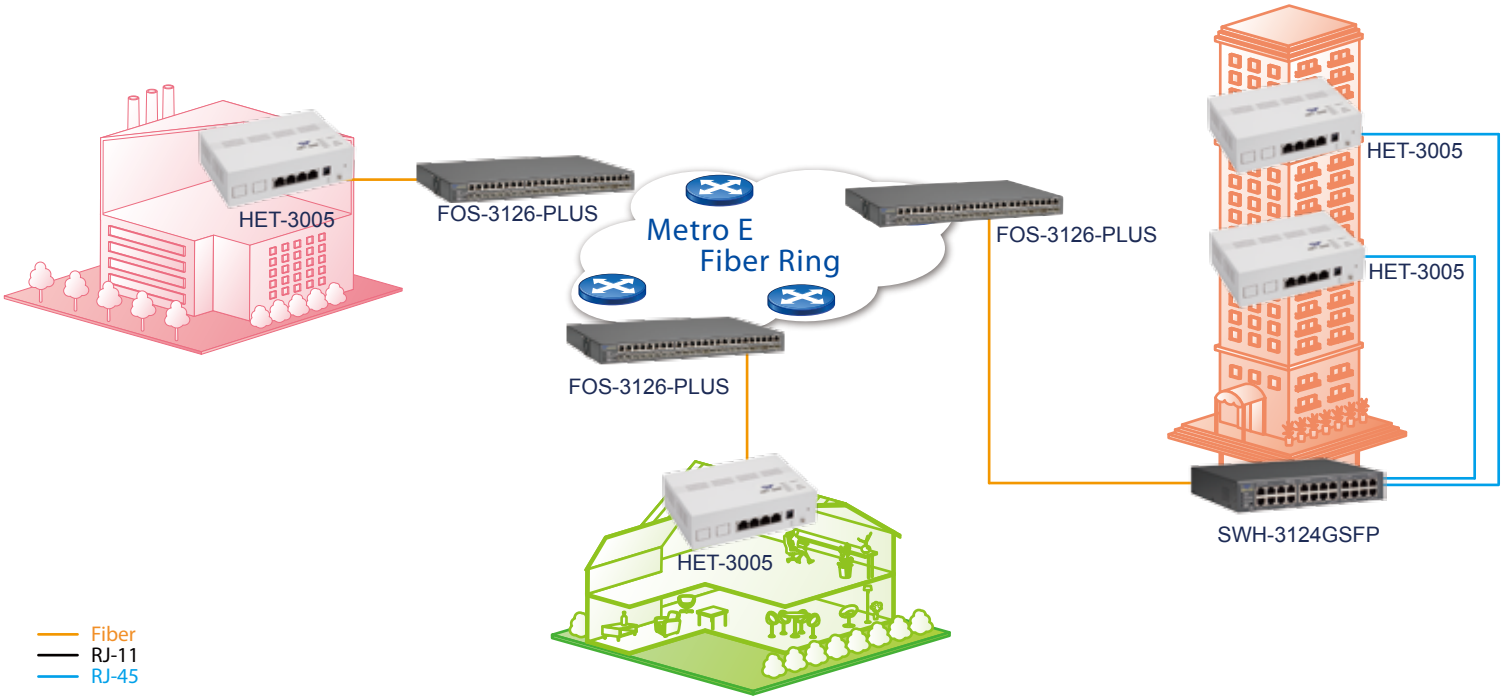
Connection Technology Systems (CTS) HET-3005 series CPE Switch are the Gigabit Ethernet 10/100/1000Base-T to 1000Base-X or 10/100/1000Base-T CPE Switch within an eye-catching pearl-white box, plus a built-in cable tray. Often, the fiber is intentionally left longer than it actually needs. With the built-in cable tray, it allows users to enclose the excessive fiber within the box, providing extra protection for the sensitive fiber.

The HET-3005 series CPE Switch traditional twisted-pair RJ-45 cable into various fiber media including multi-mode, single-mode, SC/ST connector, bi-directional WDM, or a SFP slot for pluggable fiber transceiver. The traditional transmission distance of 100m over RJ-45 copper can be extended from 550m to 100km over fiber.

HET-3005 series CPE Switch is fully compliant with IEEE 802.3 , 802.3u , 802.3ab & 802.3z standards. You can connect another switch or NIC through HET-3005 series CPE switch 10/100/1000Base-T twisted-part RJ-45 port without crossover cables and monitor the status through comprehensive LED display.

Additionally, the HET-3005 series CPE Switch IGMP snooping if the Set Top Box is connected to, the operation is no need complicated configuration for IPTV service deployment.With outstanding performance, quality, and features packed in a compact sized device, the HET-3005 series CPE Switch is a great selection for expanding FTTX network.

Application Diagram



Specification

Interface
LAN Port
10/100/1000Base-T RJ-45 x 4
WAN Port
1000Base-X x 1 or 10/100/1000Base-T x 1

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
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
Jumbo Frame up to 9K bytes
IGMP Snooping V1/V2
2K MAC address table
128K bytes memory buffer

LED
LAN , Power , WAN

Power Requirement
Power adaptor
- AC input: 100VAC~240VAC
- Frequency range: 50~60Hz
- DC output: 12V, 1A
Power consumption:
-AC side: 7.29W
-DC side: 6.28W

Environmental Condition
Operation: 0° ~ 50°C
Storage temperature: -20° ~ 60°C
Humidity: 5% ~ 90% non-condensing

Dimension & Weight
Size: 160 x 116 x 45 mm (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	
	Speed	Type	Connector	Distance	Ports	Speed	Ports
HET-3005FC	1000	MM	SC	550M	1	10/100/1000	4
HET-3005FT	1000	MM	ST	550M	1	10/100/1000	4
HET-3005FC(SM-10 /20/30/50/80)	1000	SM	SC	10/20/30/50/80KM	1	10/100/1000	4
HET-3005W2A(SM-10 /20/40)	1000	WDM	SC	10/20/40KM	1	10/100/1000	4
HET-3005W2B(SM-10/20/40)	1000	WDM	SC	10/20/40KM	1	10/100/1000	4
HET-3005W2A(SM-10 /20)-DR	1000	WDM	SC	10/20KM	1	10/100/1000	4
HET-3005W2B(SM-10/20)-DR	1000	WDM	SC	10/20KM	1	10/100/1000	4
HET-3005SFP-DR	100/1000	SFP	-	-	1	10/100/1000	4
HET-3005TP	-	-	-	-	-	10/100/1000	5

Built-in Cable Tray Overview

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