HET-3105-PLUS Series CPE Switch

Gigabit Ethernet 4-Port 10/100/1000Base-T with 1-Port 1000Base-X or 100/1000Base-X or 10/100/1000Base-T Uplink Managed CPE Switch

DHCP auto provision　**Power down trap**　**Cable tray**　**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**
Support jumbo frame size 9K bytes to ease the network traffic loading and facilitate 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

▪ **DHCP Auto-Provision with Text based Config file**
Fulfill the deployment requirement and reduce the OPEX of device maintenance for service providers or operators

▪ **SNMP Power down trap**
Popular SNMP trap message to rapidly identify network fault due to power outage and reduce truck rollls to save OPEX for service providers

▪ **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-3105-PLUS series CPE Switch are the Gigabit Ethernet 10/100/1000Base-T to 1000Base-X or 100/1000Base-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.
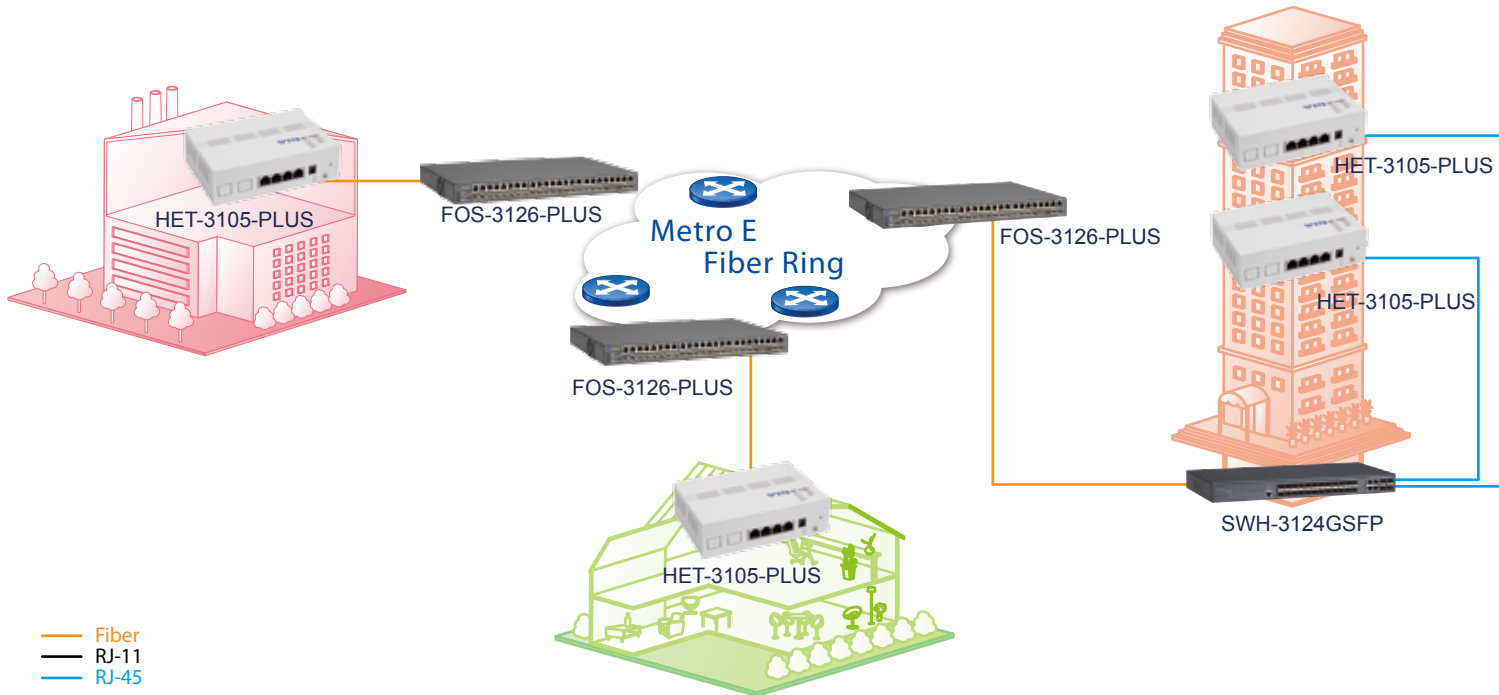
The HET-3105-PLUS series CPE Switch traditional twisted-pair RJ-45 cable into various fiber media including multi-mode, single-mode, SC connector, bi-directional WDM, or a SFP slot for pluggable fiber transceiver. The traditional transmission distance of 100m over RJ-45 copper can be extended from 550m to 100km over fiber.

HET-3105-PLUS 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-3105-PLUS series CPE switch 10/100/1000Base-T twisted-part RJ-45 port without crossover cables and monitor the status through comprehensive LED display.

HET-3105-PLUS series CPE Switch can be easily managed by web interface, CLI, telnet, SNMP, and DHCP auto-provision. With CTS unique Power Down Trap feature, HET-3105-PLUS is able to send out a SNMP trap message when encountering power outage.

Additionally, the HET-3105-PLUS 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-3105-PLUS series CPE Switch is a great selection for expanding FTTX network.

Application Diagram

- Fiber
- RJ-11
- RJ-45

Specification

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

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
4K MAC address table
128K bytes memory buffer

Switch Feature
IGMP snooping V1/V2
Bandwdith Control*
Port Based VLAN
Tag VLAN
Q-in-Q VLAN*
VLANs: Support to 16 VLAN Groups
Priority Queues: 4 Queues

Management Feature
WEB* / SNMP / CLI / Telent interface
FTP & TFTP Firmware update
DHCP Client
DHCP Auto-Provision
Text Based Config
SFF-8472(digital diagnostic interface for SFP)
Power down trap

LED
LAN , Power , WAN,Status

Power Requirement
Power adaptor
- AC input: 100VAC~240VAC
- Frequency range: 50~60Hz
- DC output: 12V, 1A
Power consumption:
-AC side: 9.29W
-DC side: 8.18W

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		SUPPORT POWER SOURCE
	Speed	Type	Connector	Distance	Ports	Speed	Ports	Power Type
HET-3105FC-PLUS	1000	MM	SC	550M	1	10/100/1000	4	External Power adapter
HET-3105FC(SM-30/50/80/100)-	1000	SM	SC	30/50/80/100KM	1	10/100/1000	4	External Power adapter
HET-3105W2A(SM-10/20/40)-PLUS	1000	WDM	SC	10/20/40KM	1	10/100/1000	4	External Power adapter
HET-3105W2B(SM-10/20/40)-PLUS	1000	WDM	SC	10/20/40KM	1	10/100/1000	4	External Power adapter
HET-3105W2A(SM-10/20)-PLUS-DR	100/1000	WDM	SC	10/20KM	1	10/100/1000	4	External Power adapter
HET-3105W2B(SM-10/20)-PLUS-DR	100/1000	WDM	SC	10/20KM	1	10/100/1000	4	External Power adapter
HET-3105SFP-PLUS-DR	100/1000	SFP	-	-	1	10/100/1000	4	External Power adapter
HET-3105TP-PLUS	-	-	-	-	-	10/100/1000	5	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.