

HET-3005 Series CPE Switch



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

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

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

Description

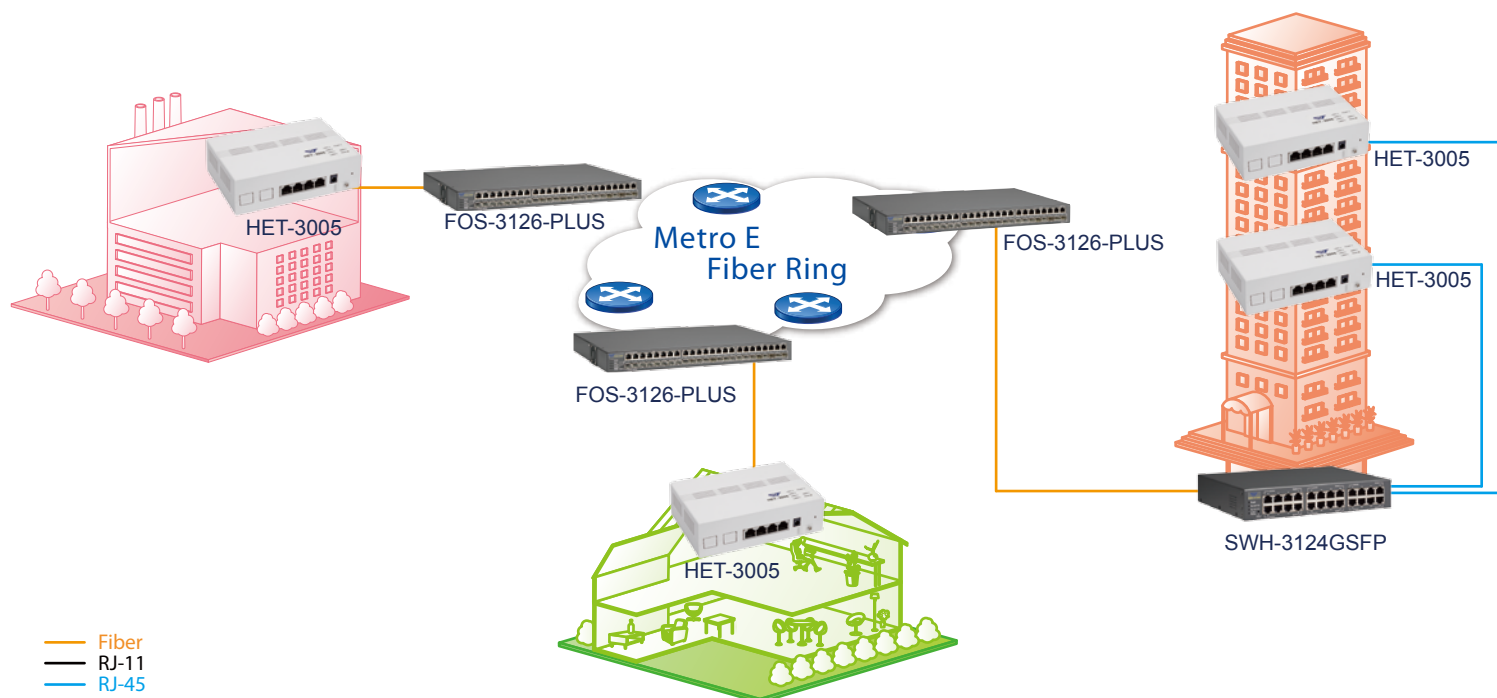
Connection Technology Systems (CTS) HET-3005 series CPE Switch are the Gigabit Ethernet 10/100/1000Base-T to 1000Base-X or 10/100/1000Base-T CPE Switch within an eye-catching pearl-white box, plus a built-in cable tray. Often, the fiber is intentionally left longer than it actually needs. With the built-in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

HET-3005 Series

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

SFP-31-DR Series

MODEL	FIBER PORT				
	Speed	Type	Connector	Distance	Wavelength
SFP-31FC-DR	100Mbps/1000Mbps	MM	LC	550M/2KM	1310nm
SFP-31FC(SM-10)-DR	100Mbps/1000Mbps	SM	LC	10KM	1310nm
SFP-31W2A(SM-10/20)-DR	100Mbps/1000Mbps	WDM	LC	10/20KM	TX:1310nm RX:1550nm
SFP-31W2B(SM-10/20)-DR	100Mbps/1000Mbps	WDM	LC	10/20KM	TX:1550nm RX:1310nm

SFP-31 Series

MODEL	FIBER PORT				
	Speed	Type	Connector	Distance	Wavelength
SFP-31FC	1000Mbps	MM	LC	550M	850nm
SFP-31FC(SM-10/20/40/50/80/120)	1000Mbps	SM	LC	10/20/40/50/80/120KM	1310nm/1310nm/1310nm/1550nm/1550nm/1550nm
SFP-31W2A(SM-10/20/40/80)	1000Mbps	WDM	LC	10/20/40/80KM	TX:1310nm/1310nm/1310nm/1490nm RX:1550nm/1550nm/1550nm/1570nm
SFP-31W2B(SM-10/20/40/80)	1000Mbps	WDM	LC	10/20/40/80KM	TX:1550nm/1550nm/1550nm/1570nm RX:1310nm/1310nm/1310nm/1490nm
SFP-31FC-C09	1000Mbps	CWDM	LC	80KM	1430nm
SFP-31FC-C10	1000Mbps	CWDM	LC	80KM	1450nm
SFP-31FC-C11	1000Mbps	CWDM	LC	80KM	1470nm
SFP-31FC-C12	1000Mbps	CWDM	LC	80KM	1490nm
SFP-31FC-C13	1000Mbps	CWDM	LC	80KM	1510nm
SFP-31FC-C14	1000Mbps	CWDM	LC	80KM	1530nm
SFP-31FC-C15	1000Mbps	CWDM	LC	80KM	1550nm
SFP-31FC-C16	1000Mbps	CWDM	LC	80KM	1570nm
SFP-31FC-C17	1000Mbps	CWDM	LC	80KM	1590nm
SFP-31FC-C18	1000Mbps	CWDM	LC	80KM	1610nm

SFP-21 Series

MODEL	FIBER PORT				
	Speed	Type	Connector	Distance	Wavelength
SFP-21FC	100Mbps	MM	LC	2KM	1310nm
SFP-21FC(SM-20/40/80)	100Mbps	SM	LC	20/40/80KM	1310nm/1310nm/1550nm
SFP-21W2A(SM-20/40/80)	100Mbps	WDM	LC	20/40/80KM	TX:1310nm/1310nm/1490nm RX:1510nm/1510nm/1570nm
SFP-21W2B(SM-20/40/80)	100Mbps	WDM	LC	20/40/80KM	TX:1510nm/1510nm/1570nm RX:1310nm/1310nm/1490nm
SFP-21W2A(SM-20)SC	100Mbps	WDM	SC	20KM	TX:1310nm RX:1550nm
SFP-21W2B(SM-20)SC	100Mbps	WDM	SC	20KM	TX:1550nm RX:1310nm
SFP-21FC-C09	100Mbps	CWDM	LC	80KM	1430nm
SFP-21FC-C10	100Mbps	CWDM	LC	80KM	1450nm
SFP-21FC-C11	100Mbps	CWDM	LC	80KM	1470nm
SFP-21FC-C12	100Mbps	CWDM	LC	80KM	1490nm
SFP-21FC-C13	100Mbps	CWDM	LC	80KM	1510nm
SFP-21FC-C14	100Mbps	CWDM	LC	80KM	1530nm
SFP-21FC-C15	100Mbps	CWDM	LC	80KM	1550nm
SFP-21FC-C16	100Mbps	CWDM	LC	80KM	1570nm
SFP-21FC-C17	100Mbps	CWDM	LC	80KM	1590nm
SFP-21FC-C18	100Mbps	CWDM	LC	80KM	1610nm

Built-in Cable Tray Overview



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