

# HTR5033X

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## XPON ONU 1GE+Switch BOB SPECIFICATION

### 1. Overview

- HTR5033X is designed as SFU/HGU in different FTTH solutions, The carrier-class FTTH application provides data service access.
- HTR5033X is based on mature and stable, cost-effective XPON technology. It can switch automatically with EPON and GPON mode when access to the EPON OLT or GPON OLT.
- HTR5033X adopts high reliability, easy management, configuration flexibility and good quality of service (QoS) guarantees to meet the technical performance of the module of China Telecom EPON CTC3.0 and GPON Standard of ITU-TG.984.X

### 2. Functional Feature

- Support SFU/HGU type and switch mode from ONU Webpage
- Support EPON/GPON mode and switch mode automatically
- Support Route PPPoE/IPoE/Static IP and Bridge mode
- Support IPv4/IPv6 Dual mode
- Support Firewall function and IGMP multicast feature
- Support LAN IP and DHCP Server configuration
- Support Port Forwarding and Loop-Detect
- Support TR069 Remote Configuration and maintenance
- Specialized design for system breakdown prevention to maintain stable system

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## 3. Hardware Specification

Technical item	Details
PON Interface	1 GPON BOB (Bosa on Board)
	Receiving sensitivity: $\leq -27\text{dBm}$
	Transmitting optical power: $0\sim +5\text{dBm}$
	Transmission distance: 20KM
Wavelength	TX: 1310nm, RX: 1490nm
Optical Interface	SC/UPC Connector(Regular) SC/APC(Customize)
Chip Spec	RTL9601D,DDR2 32MB
Flash	SPI Nor Flash 16MB
LAN Interface	1x 10/100/1000Mbps auto adaptive Ethernet interface. RJ45 connector
LED	4 LED, For Status of PWR、LOS、PON、LINK/ACT
Push-Button	2,For Function of Power Switch, Factory Reset
Operating Condition	Temperature: $0^{\circ}\text{C}\sim +50^{\circ}\text{C}$
	Humidity: 10%~90% (non-condensing)
Storing Condition	Temperature: $-30^{\circ}\text{C}\sim +60^{\circ}\text{C}$
	Humidity: 10%~90% (non-condensing)
Power Supply	DC 12V/0.5A
Power Consumption	$<3\text{W}$
Dimension	120mmx78mmx30mm(LxWxH)
Net Weight	0.13Kg

## 4. Panel lights Introduction

Pilot	Status	Description
PWR	On	The device is powered up.
	Off	The device is powered down.
PON	On	The device has registered to the PON system.
	Blink	The device is registering the PON system.
	Off	The device registration is incorrect.
LOS	Blink	The device does not receive optical signals.
	Off	The device has received optical signal.
LINK/ACT	On	Port is connected properly (LINK).
	Blink	Port is sending or/and receiving data (ACT).
	Off	Port connection exception or not connected.

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## 5. Product Appearance



## 6. Application

- Typical Solution: FTTO(Office)、FTTB(Building)、FTTH(Home)
- Typical Business: INTERNET、IPTV etc

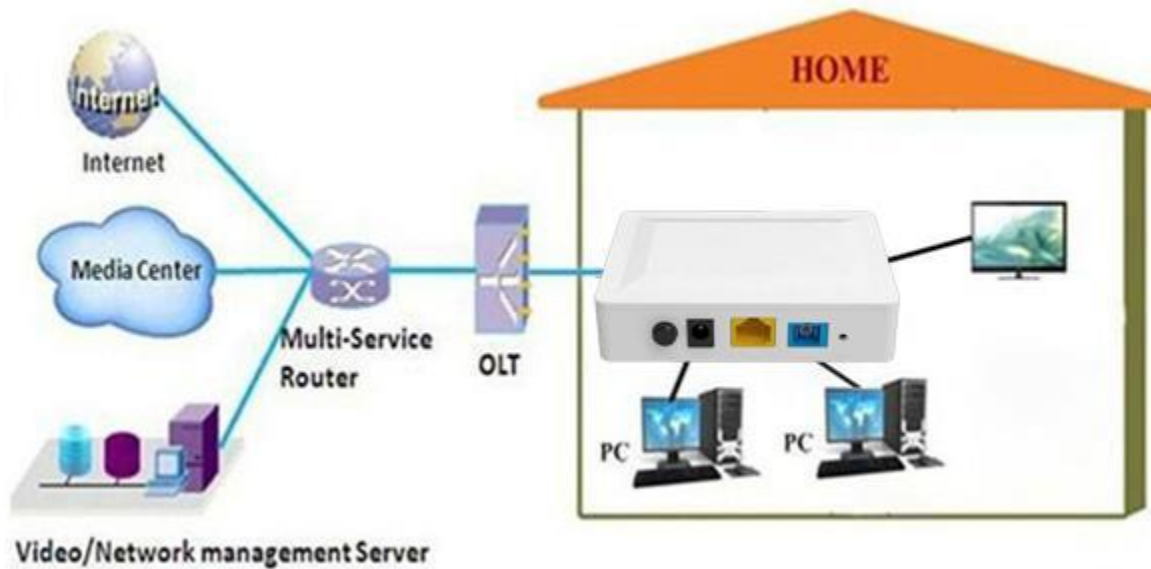


Figure: HUR5033X Application Diagram