

1GE ONU

QF-CX010

Overview

- 1GE ONU is designed as HGU (Home Gateway Unit) in different FTTH solutions; the carrier-class FTTH application provides data service access.
- 1GE ONU is based on mature and stable, cost-effective XPON technology. It can switch automatically with EPON and GPON mode when it access to the EPON OLT or GPON OLT.
- 1GE ONU 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.
- 1GE ONU is fully compliant with technical regulations such as ITU-T G.984.x and IEEE802.3ah.
- 1GE ONU is designed by Realtek chipset 9601D

Feature

- Supports Dual Mode (can access GPON/EPON OLT).
- Supports SFU and HGU of EPON CTC 3.0 standard
- Supports GPON G.984/G.988 standards and IEEE802.3ah.
- Support NAT, Firewall function.
- Support Flow & Storm Control , Loop Detection, Port Forwarding and Loop-Detect
- Support port mode of Vlan configuration
- Support LAN IP and DHCP Server configuration
- Support TR069 Remote Configuration and maintenance
- Support Route PPPoE/DHCP/Static IP and Bridge mixed mode
- Support IPv4/IPv6 dual stack
- Support IGMPv2, IGMPv3, MLDv1, MLDv2, IGMP snooping/proxy
- Compatible with popular OLT(HW, ZTE, FiberHome...)

Specification

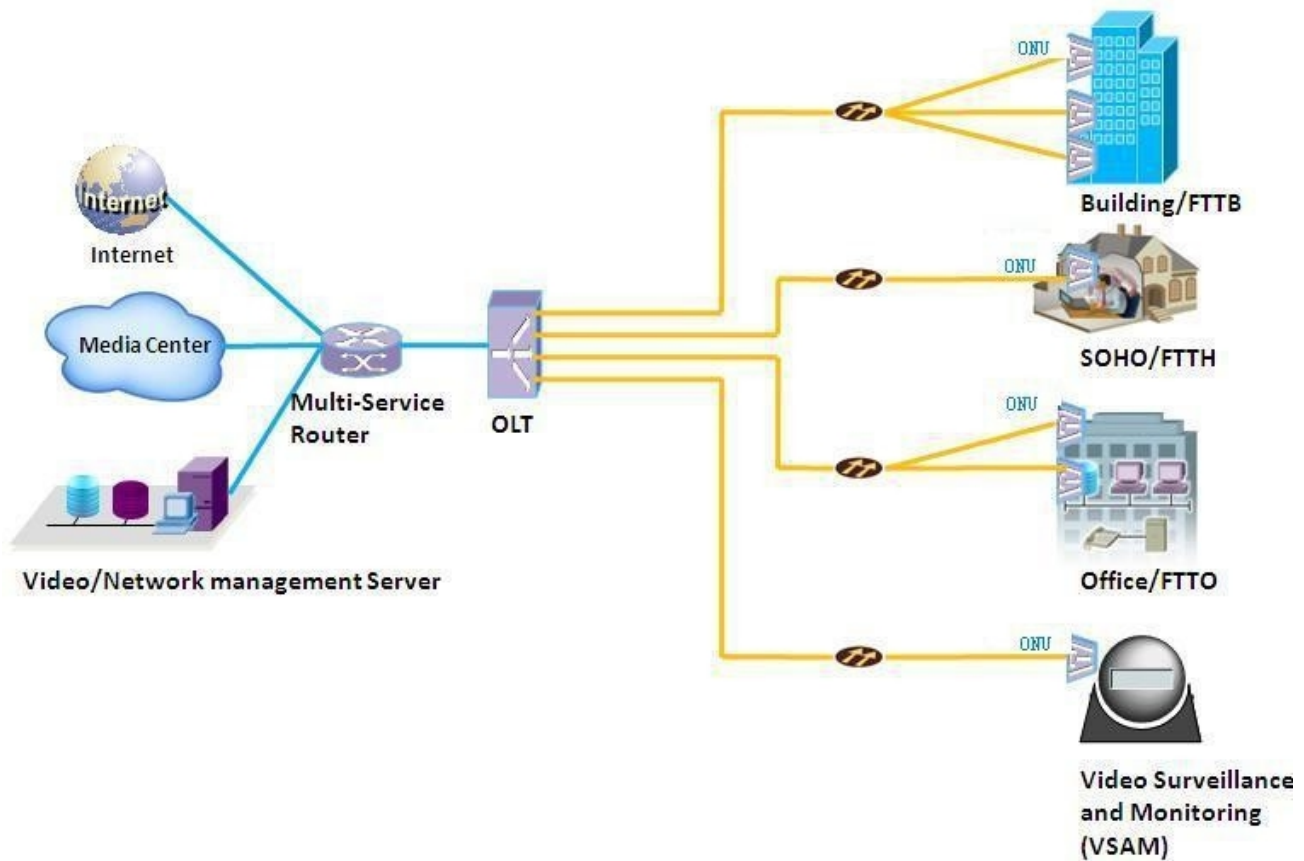
Technical Item	Details
PON interface	1 GPON/EPON port(EPON PX20+ and GPON Class B+) Upstream: 1310nm,Downstream: 1490nm SC/UPC connector Receiving sensitivity: ≤-28dBm Transmitting optical power: 0~+4dBm Transmission distance: 20KM
LAN interface	10/100/1000Mbps auto adaptive Ethernet interfaces. 10/100/1000M Full/Half, RJ45 connector
LED	4 LED, For Status of POWER、LOS、PON、LAN
Push-Button	2, for Function of Power on/off, Reset
Operating condition	Temperature : 0℃~+50℃ Humidity :10%~90% (non-condensing)
Storing Condition	Temperature : -40℃~+60℃ Humidity :10%~90% (non-condensing)
Power supply	DC 12V/1A
Power Consumption	<3W
Net Weight	<0.2kg

Panel lights and Introduction

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

Application

- Typical Solution: FTTO(Office)、FTTB(Building)、FTTH(Home)
- Typical Service: Broadband Internet access, IPTV, VOD(video on demand), video surveillance, CATV etc.



Appearance



Ordering information

Product Name	Product Model	Descriptions
1GE XPON	Model Name: QF-CX010 Model Series No. : CX0001R001	10/100/1000Mbps auto adaptive Ethernet (RJ45) ,1 SC/UPC Connector, Plastic Casing, External power supply adapter
1GE EPON	Model Name: QF-CE010 Model Series No. : CE0001R001	10/100/1000Mbps auto adaptive Ethernet (RJ45) ,1 SC/UPC Connector, Plastic Casing, External power supply adapter