Specification

HTZ2026X

XPON ONU 1GE

1 OVERVIEW

- HTZ2026X series single-user ONU is designed for ONU in deferent FTTH solutions by HDV. The carrier-class FTTH application provides date service access.

- HTZ2026X series adopts high-performance and low-consumption chips, and supports CTC V2.0 interconnection and interworking standard of China Telecom. With the help of NGBN View NMS, it can provide subscribers with abundant services, and totally meet the needs of carrier-class FTTH devices.

- HTZ2026X series is designed by ZTE chipset.

2 FUNCTIONAL FEATURE

- Router mode supports PPPoE / DHCP / static IP.
- Support port-based rate limitation and bandwidth control.
- In compliant with ITU-T G.984 Standard.
- Up to 20km transmission Distance.
- Support data encryption, group broadcasting, port VLAN separation, etc.
- Support Dynamic Bandwidth Allocation (DBA).
- Support IPv4 & IPv6.
- Support ONU auto-discovery/Link detection/remote upgrade of software.
- Support VLAN division and user separation to avoid broadcast storm.
- Support power-off alarm function, easy for link problem detection.
- Support broadcasting storm resistance function.
- Specialized design for system breakdown prevention to maintain stable system.
- Support software online upgrading EMS network management based on SNMP, convenient for main-tenance.

HARDWARE SPECIFICATION

Item	Parameter
PON Interface	1GE PON optical interface Meet Class B+ standard Upstream 1.244Gbps, downstream 2.488Gbps SC-UPC single-mode fiber(or APC) Split ratio 1:128 Transmission distance: 20km
User Ethernet Interface	1*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector 100m distance
Power Interface	12V DC power supply
PON Optical Parameter	Wavelength: TX 1310nm, RX1490nm TX Optical Power: 0.5~+5dBm RX Sensitivity: -27dBm Saturation Optical Power: -8dBm Connector Type: SC Optical Fiber: 9/125µm single-mode fiber
Transmission Parameter	Packet Loss Ratio<1*10E-12 Latency<1.5ms
Gateway	Router mode supports PPPoE / DHCP/ static IP WAN support Router and Bridge mode WAN support Internet LAN supports DHCP and static IP Support NAT and NAPT
Business Capability	Layer 2 wire speed switching Support VLAN TAG/UNTAG, VLAN conversion Support Port-based speed limitation Support Priority classification Support storm control of broadcast
Management mode	Support ITU-T G.984 OMCI, ONU can be remotely managed by OLT Support Remote management through Telnet or HTTP Local management
Management function	Status monitor, Configuration management, Alarm management, Log management
Physical Features	Shell: Plastic casing Power: External 12V 0.5A AC/DC power supply adapter Power consumption<2W(FD101HC), <2.3W(FD111HC) Item Dimension: 75mm(L) x 75mm(W) x 28mm (H) Item weight: 50g

Item	Parameter
Environmental Specifications	Operating temperature: -20 to 70 Storage temperature: -40 to 85 Operation humidity: 10% to 90%(Non-condensing) Storage humidity: 10% to 90%(Non-condensing)

4 PANEL LIGHTS INTRODUCTION

Pilot Lamp	Description
PWR	The device is powered up or down.
LOS	Optical link status.
PON	ONU registered.
LINK/ACT	Link status of Ethernet Interface

5 APPLICATION

- Typical Solution： FTTH, FTTB, PON+EOC
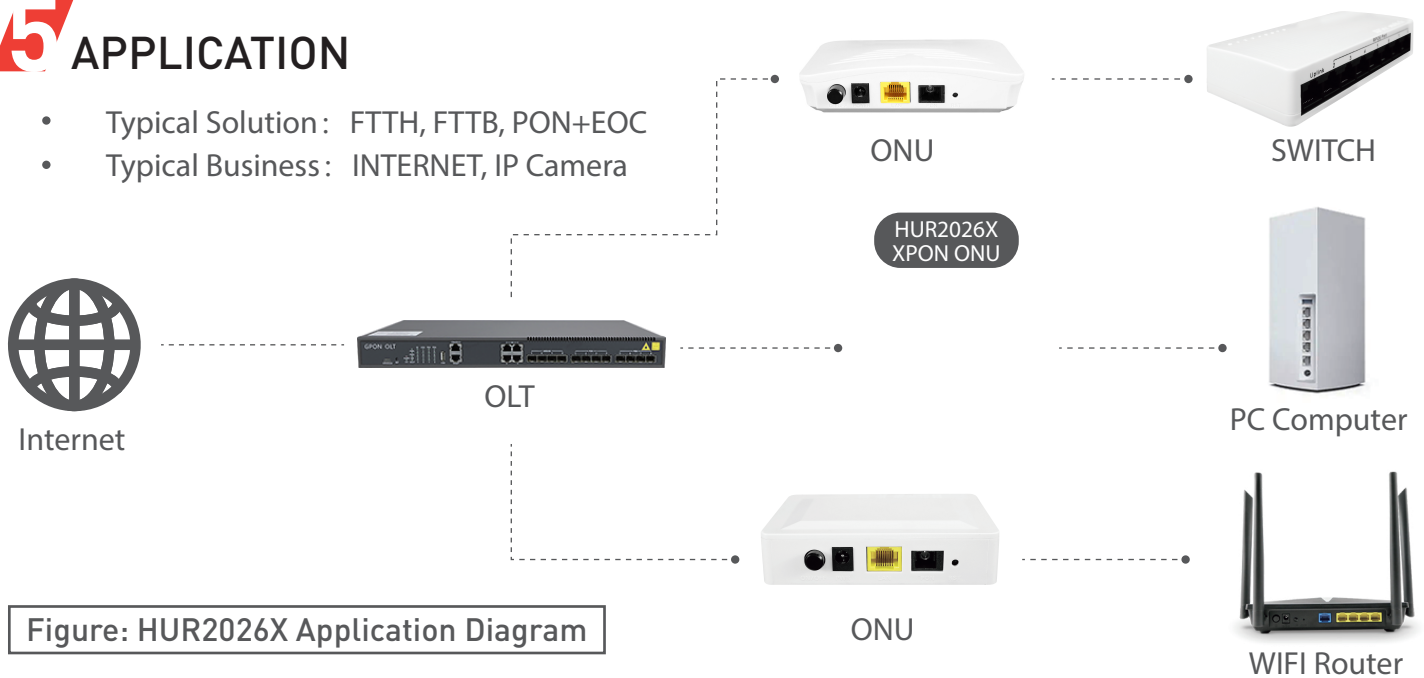- Typical Business： INTERNET, IP Camera

ONU SWITCH

HUR2026X
XPON ONU

OLT

Internet

PC Computer

Figure: HUR2026X Application Diagram

ONU

WIFI Router

6 ORDERING INFORMATION

Product Name	Product Model	Descriptions
SFF Type Mini XPON ONU	HTZ2026X	1*10/100/1000M Ethernet interface, 1GE PON interface, plastic casing, external power supply adapter.