



ZP9101HT

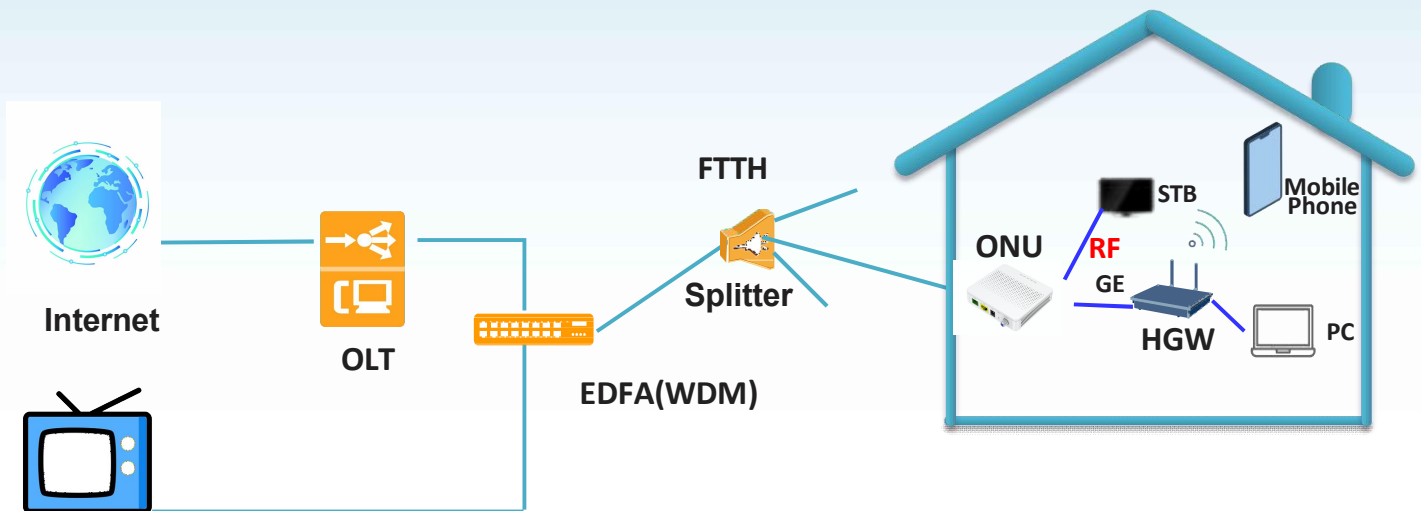
XPON CATV ONU

Introduction

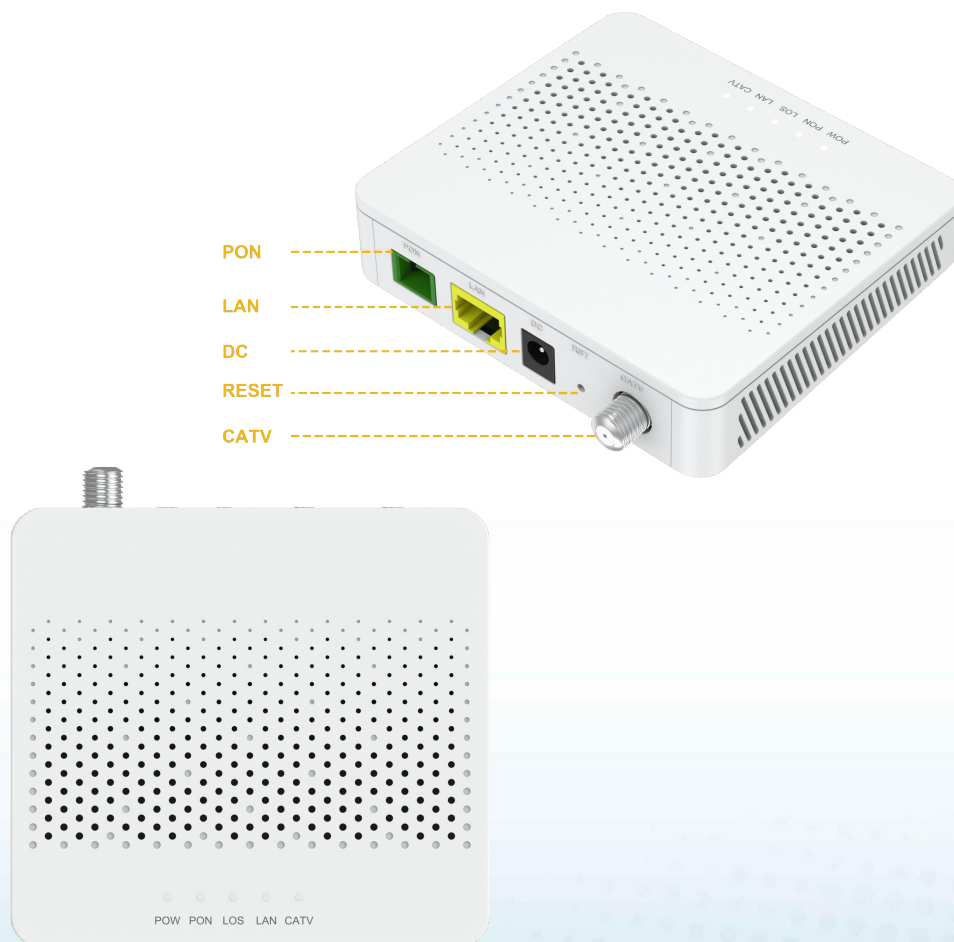
ZP9101HT is a 1GE+CATV XPON (GPON and GEPON dual-mode) SFU ONU. It is designed to meet the multi-service needs of fixed network operators or cable TV operators. It is widely used in FTTO (office), FTTD (desk), FTTH (home) broadband access, CATV, video surveillance and other requirements. The device is fully compliant with ITU-T G.984/G988 and IEEE802.3ah. The device integrates carrier-grade reliability, maintainability and security design to provide customers with last-mile broadband access for residential and enterprise customers. It can also be applied to strict temperature environments and can work stably for a long time without interruption of service.

ZP9101HT is easy to install, configure and maintain. The device can identify the working mode of OLT and automatically complete the switching between GPON and EPON. The device can switch freely between bridging mode and routing mode, and supports PPPoE dial-up and IPv6 functions in routing mode to meet the needs of different scenarios.

Application Chart



Product Interface and LED





Product Parameter

Hardware Parameter	
Dimension	103mm×105mm×29mm (L×W×H)
Operating condition	• Operating temperature: -10 ~ +45°C • Operating humidity: 10 ~ 90% (non-condensing)
Storing condition	• Storage temperature: -40 ~ +70°C • Storage humidity: 5 ~ 95% (non-condensing)
Power adaptor	DC 12V/1A, external AC-DC power adaptor
Interfaces	XPON+1GE+CATV
Indicators	Power, LOS, PON, LAN, CATV
Buttons	Reset Button
Interface Parameter	
PON interface	• 1XPON port(EPON PX20+ and GPON Class B+) • PON standard: GEAPON IEEE802.3ah, GPON ITU-T G.984 • SC single mode, SC/APC or SC/UPC connector • TX optical power: 0~4dBm(EPON) or 0.5~5dBm(GPON) • RX sensitivity: EPON: -27dBm, GPON: -28dBm • Overload optical power: -3dBm(EPON) or -8dBm(GPON) • Transmission distance: 20KM • Wavelength: TX 1310nm, RX1490nm, CATV 1550nm
LAN interface	1GE Auto-negotiation RJ45 port
CATV interface	• RF Optical power: +2~-18dBm • Optical return loss: ≥45 dB • Optical receiving wavelength: 1550±10nm • RF frequency range: 47~1000MHz • RF output impedance: 75Ω • RF output return loss: ≥14 dB • RF output level: ≥ 76±2dBuV(@-15~0dBm) • AGC range: 0~-15dBm • C/N: ≥47dB@-7dBm • CTB: ≥60dB@-7dBm • CSO: ≥60dB@-7dBm • MER: ≥35dB(-10dBm optical input)

Software Features

PON	• XPON Dual Mode • SN 、 LOID and LOID+Password multiple registration methods
CATV	• Support CATV Local management
Layer2	• Support Port-based rate limitation • Support VLAN tag/trunk
Layer3	• IPv4 & IPv6 • Bridging and Routing Mode • DHCP v4/v6 Client/Server • PPPoE • Support Static Routing • Support IP QoS • Support UPNP
Multicast	• Support Igmp proxy mode • Support MultiCast VLAN
Security and Firewall	• Port Forwarding,DMZ • HTTP/SSH/Telnet Service Access Control • MAC Filtering,IP/Port Filtering
Diagnostics	• Ping Diagnostics • Loop Detection
Management	• Support OMCI/OAM tr069 and Web management • Support Time Zone • Support Backup and Restore Settings • Support Web/Multicast Tool Firmware Upgrade • Support Information viewing ,Interface Statisitcs/PON Statistics/ARP table/Device Status/LAN Port Status

Package

Package	• 1 x XPON Router • 1 x Quick Installation Guide • 1 x Power Adaptor
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Ordering information

Product Name	Product Description	Accessories
ZP9101HT	XPON+1GE+CATV	AC-DC power adaptor: DC12V/1A