



- Excellent wireless Wi-Fi coverage
- Support Easy Mesh networking
- Effective and easy integration with third-party OLTs
- Support bridging, routing, or mixed working modes
- Support TR069 remote management

P20 xPON ONT

xPON ONT with 2GE, 1FXS, Dual-band Wi-Fi

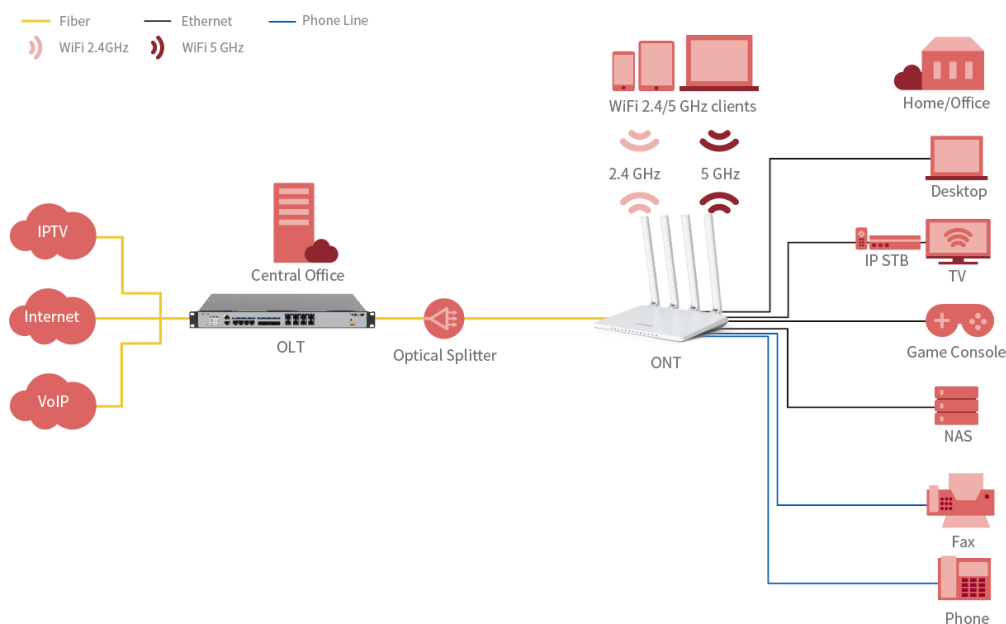
P20 xPON ONT is one of the E/GPON optical network unit design to meet the requirement of the broadband access network. It is applied in FTTx to provide the data, video service based on the E/GPON network. It leads the way in the next generation routers, offering dual-band wireless with all-new 802.11ac Wi-Fi. Its high performance provides the best wireless connection, 300Mbps in 2.4GHz and 867Mbps in 5GHz.

P20 xPON ONT has a high reliability and provides guarantee of quality service, easy management, flexible expansion and networking. It fully meets the ITU-TG984.x and IEEE802.3ah technical standards and has good compatibility with third party OLTs.

Benefits

- Dual mode (Can access E/GPON OLTs).
- Plug and play, integrate auto detection, auto configuration and auto firmware upgrading.
- Support 802.11ac, compatible with products of 802.11b /g/n/a.
- Dual band – for combined wireless speeds of up to 1200Mbps at 2.4GHz and 5GHz band concurrently.
- Support Easy Mesh networking
- Support OMCI, OAM and TR069 remote management, including configuration, alarm, performance monitoring, fault isolation and safety management.
- Support IPv4/ IPv6 IGMP snooping and MLD snooping.
- Support SIP/H. 248 protocol.

Application diagram



Specification

xPON Compliance

- Comply with ITU-T G.984.x, IEEE802.3ah
- Upstream/ Downstream rate: 1.25Gbps/2.5Gbps (GPON) 1.25Gbps/1.25Gbps (EPON)
- BiDi optical signal transmission
- PON TX Power: 1~3dBm (1310nm)
- PON RX sensitivity: <-28dBm (1490nm)
- Distance: 20Km Max
- Power: ≤ 12 W

Hardware

Interfaces

- SC/UPC or SC/APC (optional)
- 2*10/100/1000M Base-T LAN Ports
- 1*POTS Ports (SIP /H.248 voice protocol)

WiFi

- Wireless Standards: IEEE802.11b/g/n/a/ac
- Signal Rate:

- 5.8GHz: Up to 867Mbps
- 2.4GHz: Up to 300Mbps
- Wireless Security: WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
- Power and Appearance**
- Buttons: WPS/Easy Mesh, Reset Button, WiFi Button
- Power Supply: DC 12V 1A
- Antenna: 4*6dBi external antennas
- Dimensions: 204*127*33mm

Software

- WAN Type: Dynamic IP/Static IP/PPPoE
- DHCP: Server, Client, DHCP Client List, Address Reservation
- Quality of Service: WMM, Bandwidth Control
- Port Forwarding: Virtual Server, Port Triggering, UPnP, DMZ
- VLAN:

- 802.1Q tag VLAN, VLAN transparent mode/VLAN translation mode/VLAN trunk mode
- Firewall Security: -DoS, SPI Firewall -IP Address Filter /MAC Address Filter/Domain Filter -IP and MAC Address Binding
- Management: -Local Management -Remote Management
- Internet Protocol: IPv4, IPv6

Environment

- Operating Temperature: -5°C~50°C
- Storage Temperature: -40°C~70°C
- Operating Humidity: 10%~90%, non-condensing
- Storage Humidity: 5%~95% non-condensing
- Certifications: CQC, FCC, CE, RoHS



Contact us

SHENZHEN FH-NET OPTOELECTRONICS CO., LTD.

+86-755-86051202

sales@phyhome.com

www.phyhome.com

Building D1, TCL International E City, No.1001,
Zhongshanyuan Rd, Nanshan District, Shenzhen City, China

