

PHYHOME



Making the world better.

AC1200 Wireless GPON ONT

G20 (2GE+1POTS+Dual-band WiFi)

Main Features

- * GPON mode (Can access GPON OLTs).
- * Plug and play, integrate auto detection, auto configuration and auto firmware upgrading.
- * Supports 802.11ac, Compatible with 802.11 b/g/n/a products.
- * Support downstream 2.5Gbps and upstream to 1.25Gbps with transmission distance to 20Km.
- * Dual band – for combined wireless speeds of up to 1200Mbps at 2.4GHz and 5GHz band concurrently.
- * Supports OMCI (ONT Management Control Interface) remote management.
- * Support IPv4/ IPv6 IGMP snooping and MLD snooping.
- * Support EasyMesh

Specification

| General | |
|---------------------|---|
| Protocol Standards | ITU-T G.984.x |
| Distance | 20Km Max |
| Data Rates | Upstream rate 1.25Gbps Downstream rate 2.5Gbps |
| Wireless Standards | IEEE802.11b/g/n/a/ac |
| Signal Rate | 5GHz: Up to 867Mbps 2.4GHz: Up to 300Mbps |
| Operation Frequency | 2.4GHz & 5GHz |
| Transmit Power | 5G 21.5dBm@6M 11a 19dBm@54M 11a 17dBm@MCS8 VHT20 11ac 17dBm@MCS9 VHT40 11ac 17dBm@MCS9 VHT80 11ac 2.4G 16dbm@MCS7 HT40 16dbm@MCS7 HT20 17dbm@OFDM 54M 19dbm@CCK 11M |
| Receive Sensitivity | 5GHz 11a 6Mbps: -94.5dBm 11a 54Mbps: -77dBm 11ac VHT20: -65.5dBm 11ac VHT40: -70.5dBm 11ac VHT80: -62.5dBm 2.4GHz 11g 54M: -67dBm 11n HT20: -64dBm |

11n HT40: -62dBm

| | |
|--------------------|---|
| PON TX Power | 1~5dBm (1310nm) |
| PON RX sensitivity | <-28dBm (1490nm) |
| Wireless Security | WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption |
| Power | ≤ 8W |

Hardware

| | |
|------------------------|---|
| Interfaces | 1x SC/UPC or 1xSC/APC (optional) 2x 10/100/1000Mbps LAN Ports 1x FXS Port |
| Buttons | WiFi Button, WPS/Reset Button |
| Power Supply | DC 12V 1A |
| Antenna | 4*6dBi external antennas |
| Dimensions (W X D X H) | 204*127*33mm(length*width*height) |

Environment

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

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 |
| WiFi Service Functions | Support EasyMesh |

| | |
|-------------------------|---|
| Firewall Security | DoS, SPI Firewall IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding |
| Management | Access Control Local Management Remote Management |
| Internet Protocol | IPv4, IPv6 |
| Access Control | Parental Control, Local Management Control, Host List, Access Schedule, Rule Management |
| Package Contents | |
| Package Contents | 1 x GPON ONT 1 x Quick Installation Guide 1 x Power Adapter |

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