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All for better networking.

**HG9**

**AC1200 Dualband Wi-Fi GPON ONT**

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# HG9

## AC1200 Dualband Wi-Fi GPON ONT

### Product Description

Tenda's AC1200 Wireless GPON ONT HG9 is a Gigabit Passive Optical Network (GPON) terminal, ideal for Fiber To The Home solution. It's an all-in-one device allowing user to access high-speed internet, VoIP, IPTV connection via GPON port and share it wirelessly at 1200Mbps wireless 802.11ac speeds. HG9 provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

## Comprehensive GPON network compatibility

Complies with ITU G.984.1, ITU G.984.2, ITU G.984.3 and ITU G.984.4, providing you comprehensive GPON network compatibility, Supports OMCI (ONT Management Control Interface) remote management Quality of Service control for bandwidth management, Mass remote management through OMCI (G.984.4 and G.988) and TR-069 standards, thus offering a full remote control without user intervention.

## Extremely high speed

Extremely high access speed up to 2.5Gbps Downstream and 1.25Gbps Upstream, High speed GPON ONT, NAT Router, 4-port Switch and Wireless Access Point provides a one-stop networking solution, Wireless speed up to 1200Mbps makes it ideal for heavy bandwidth consuming or interruption sensitive applications like online gaming, Internet calls and even the HD video streaming.

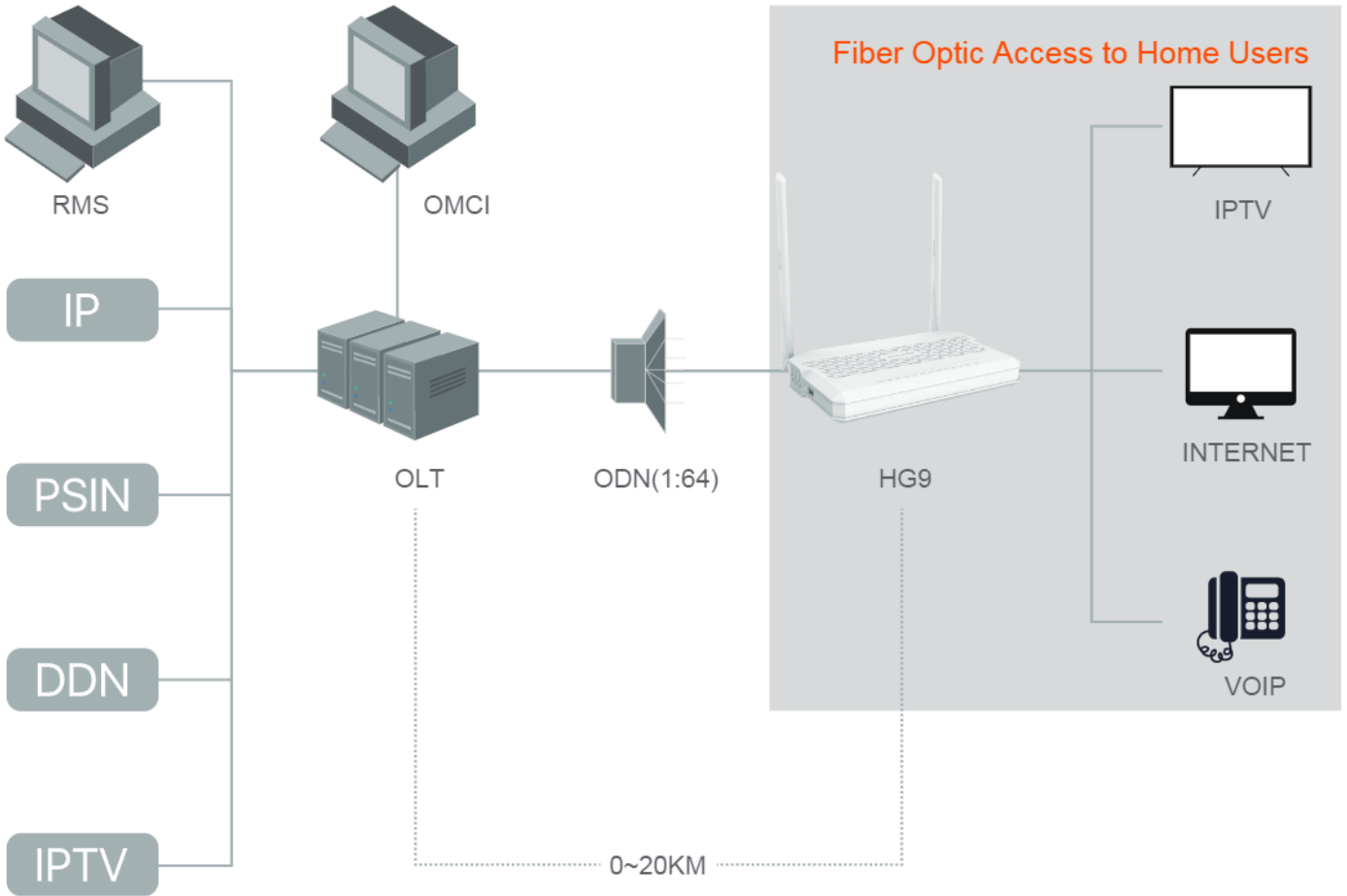
## Provides a smooth IPTV experience

Built-in IGMP snooping and proxy combined with 802.1Q VLAN(Virtual LAN) provide a smooth IPTV experience.

## Provides multifunctional voice service

Voice service is to realize a variety of new functions on the basis of the original basic voice call, which mainly includes: call holding, call forwarding, group line and group access, incoming and outgoing restrictions, call backup, call waiting prompt and so on.

# Application Scenarios



# Specification

| Hardware Features     |   |
|-----------------------|---|
| Interface             | 1*SC/APC GPON Port, 4*1000Mbps RJ45 LAN Ports, 1*USB Port, 1*Voip Port, 1*DC Port |
| LED                   | POWER, INET, PON, LOS, LAN1, LAN2, LAN3, LAN4, TEL, 2.4G, 5G, WPS, USB            |
| Button                | 1* Power On/O Button, 1*WPS Button, 1*WLAN Button, 1 RESET Button, 1*LED Button   |
| External Power Supply | 12V DC/1.5A   |
| Power Consumption     | ≤18W  |
| IEEE Standards        | IEEE 802, 802.1q, 802.10, IEEE 802.11, 802.3u, 802.3z                             |
| GPON Standards        | ITU G.984.1, ITU G.984.2, ITU G.984.3, ITU G.984.4                                |
| Optical Module        | Class B+  |
| Optical Wavelength    | Transmit at 1310nm, Receive at 1490nm   |
| Transmission Distance | 20Km Max  |
| Bandwidth             | Upstream 1.25Gbps Max, Downstream 2.5Gbps Max                                     |
| Dimensions (Wx Dx H)  | 190*124.9*26.5 mm   |
| TX Power              | 0.5~5dbm  |
| RX Power              | -28~-8dBm   |
| Software Features     |   |
| WAN Connection Type   | PPPoE, Dynamic IP, Static IP, Bridge, Support Multiple WAN connection             |
| DHCP                  | Server, Client, DHCP Client List, Address Reservation, DHCP relay                 |
| Business Type         | TR069, Internet, IPTV, VOIP   |
| Quality of Service    | Bandwidth Control   |
| Security Function     | Mac filter, IP filter, URL filter, Access control                                 |
| Port Forwarding       | Virtual server, Port Triggering, DMZ, ALG, UPnP                                   |
| VPN Pass-Through      | PPTP, L2TP, IPSec Pass-through  |
| Dynamic DNS           | DynDns, NO-IP   |

# Specification

| Wireless Features  |  |
|--------------------|--|
| Wireless Standards | IEEE 802.11 a/b/g/n/ac   |
| Frequency          | 2.4GHz & 5GHz  |
| Antenna            | 2 * 6dBi Antenna   |
| Speed              | 11n 300M + 11ac 867M   |
| Transmit Power     | 2.4G: <20dBm(EIRP); 5G: <23dBm(EIRP)   |
| Wireless Functions | Enable/Disable Wireless Radio, WDS Bridge, WMM, Wireless Statistics              |
| Wireless Security  | 64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption, Wireless MAC Filtering |

| Others           |  |
|------------------|--|
| Certification    | CE, FCC, RoHS  |
| Package Contents | 1*HG9, 1*Power Adapter, Quick installation Guide, 1*RJ45 Cable, 1*RJ11 Cable |
| Environment      | Operating Temperature: 0 °C~45°C   |
|                  | Storage Temperature: -40 °C~70°C   |
|                  | Operating Humidity: 10%~90% (non-condensing)                                 |
|                  | Storage Humidity: 5%~90% (non-condensing)                                    |

## SHENZHEN TENDA TECHNOLOGY CO.,LTD.

Tenda Technology Bldg.Intl E-City,  
#1001 Zhong Shan Yuan Rd.,Nanshan District,Shenzhen China.

E-mail:support@tenda.com.cn

Tel:+86-755-2765 7098

Fax:+86-755-2765 7178

PC:518055