Tenda



All for better networking.

HG6

N300 Wi-Fi GPON ONT

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Products Description

Tenda’s N300 Wireless GPON ONT HG6 is a Gigabit Passive Optical Network (GPON) terminal , ideal for Fiber to the Home solution. It’s an all-in-one device allowing users to access high-speed internet, VoIP, IPTV connection via GPON port and share it wirelessly at 300Mbps wireless 802.11ac speeds. HG6 provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

Product Features

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 2.488Gbps Downstream and 1.244Gbps Upstream, High speed GPON ONT, NAT Router, 4-port Switch and Wireless Access Point provides a one-stop networking solution, Wireless speed up to 300Mbps makes it ideal for heavy bandwidth consuming or interruption sensitive applications like online gaming, Internet calls and even the HD video streaming.

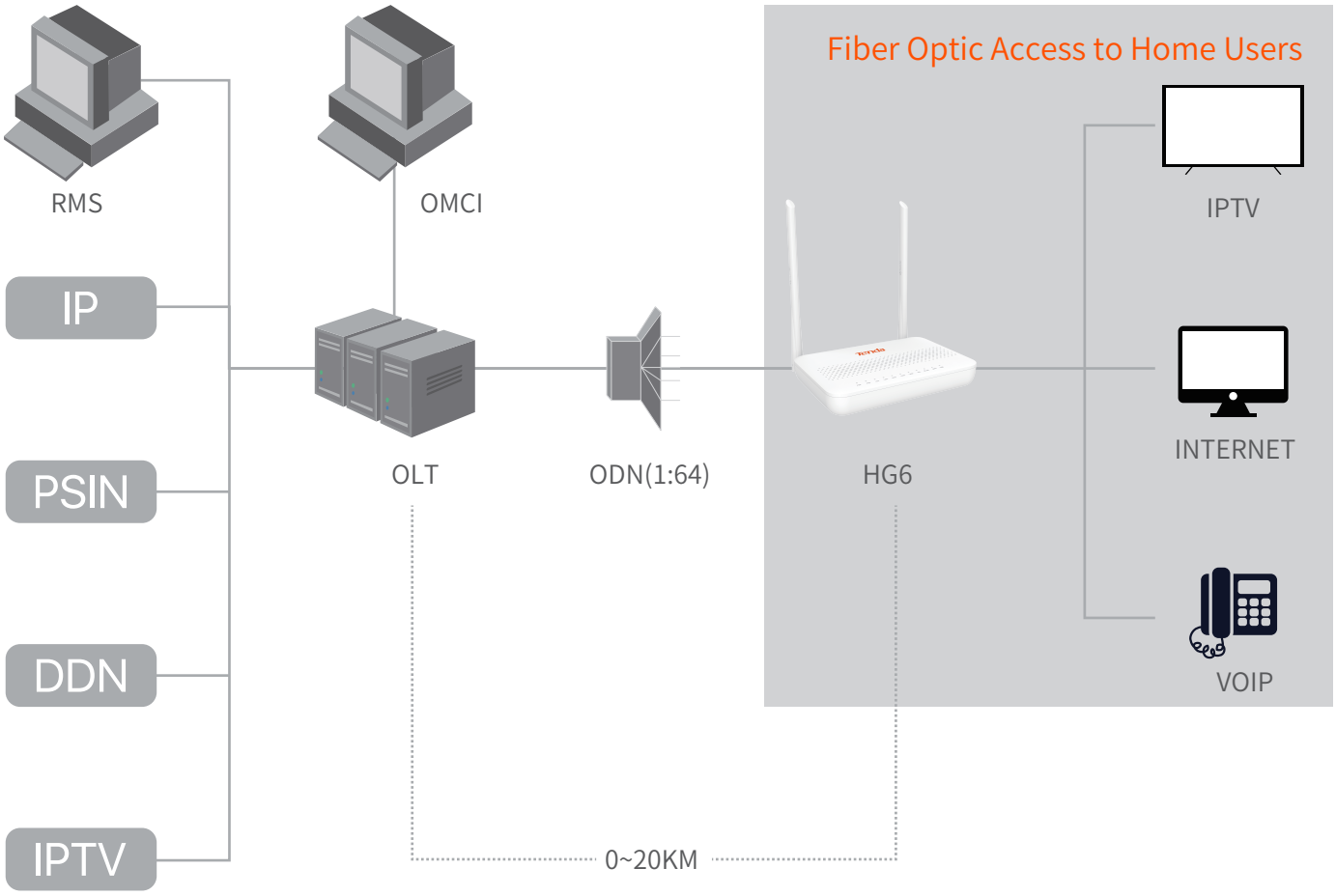
Provide a smooth IPTV experience

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

Provide 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, 1*1000Mbps RJ45 LAN Ports, 3*100Mbps RJ45 LAN Ports, 1*USB Ports, 1*Voip Ports, 1*DC Ports
LED	PWR, PON, LOS, LAN1, LAN2, LAN3, LAN4, TEL, WLAN, WPS, USB;
Button	1* Power On/Off Button, 1*WPS Button, 1*WLAN Button, 1 RESET Button，1*LED Button
External Power Supply	12V DC/1.0A
Power Consumption	⩽12W
IEEE Standards	IEEE 802, 802.1q, 802.10, IEEE 802.11, IEEE 802.3u, IEEE 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	0~20Km Max
Bandwidth	Upstream 1.25Gbps Max, Downstream 2.5Gbps Max
Dimensions (Wx Dx H)	158*120*28 mm
Antenna Type	Omni directional
Antenna Gain	2*6dBi
TX Powe	0.5~5dbm
RX Power	-8~-30dBm
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
Ecurity 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
Wireless Speeds	Up to 300Mbps (dynamic)
Frequency	2.4GHz
Antenna	2*5dBi Two Internal/external Antenna
Speed	11n 300M
Transmit Power	2.4G<20dBm(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*HG6, 1*Power Adapter, 1*Quick installation Guide, 1*RJ45 Cable, 1*RJ11 Cable
Environment	Operating Temperature: -10℃~40℃
	Storage Temperature: -40℃~70℃
	Operating Humidity: 10%~90% (non-condensing)
	Storage Humidity: 5%~90% (non-condensing)

SHENZHEN TENDA TECHNOLOGY CO.,LTD.

Tenda Technology Bldg.Int’l 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

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