Tenda

All for better networking.

HG7

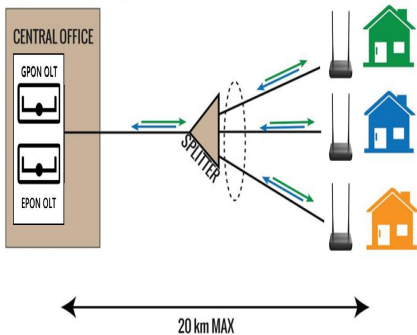AC1200 Dualband Wi-Fi xPON ONT

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HG7

AC1200 Dualband Wi-Fi xPON ONT

Product Description

Tenda's AC1200 Wireless xPON ONT HG7 is a Passive Optical Network terminal which compatible with EPON and GPON,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 EPON&GPON port and share it wirelessly at 1200Mbps wireless 802.11ac speeds. HG7 provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

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Product Features

Auto-adaption for both EPON and GPON Network

HG7 supports both EPON and GPON network, and it can do auto-adaption when link the fiber cable, ISP Technical support need not to set manually . Our customer can make better choice to fulfill different ISP requirements.
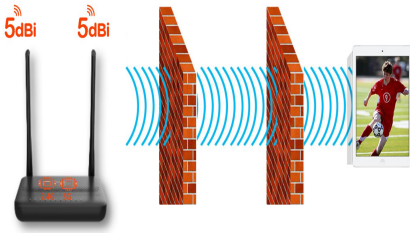
Supports VoIP and variety fast data services

With the TEL port users can enjoy convenient voice service ,then 2 Gigabit Ethernet ports, users can enjoy high-speed xPON services and bandwidth-intensive multimedia applications such as interactive gaming, IPTV and HD video streaming much easier and faster than ever before.
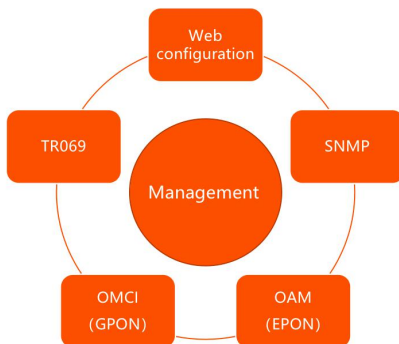
Dualband Wi-Fi for high speed wireless experience

With the new generation 802.11ac wave 2.0 standard.HG7 offers a concurrent dualband data rate as high as 1167Mbps. Signal boosting & Beamforming+ technology enrich your wireless experience.

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Product Features

High gain antenna & powerful RF for better signal coverage

5 dBi antenna and high to 23 dBm strong RF power , with leading accordion wire design, HG7 balances the signal field and gain, providing you stronger Wi-Fi signals. Ensure the good wireless performance for wide signal coverage.

Easier management and maintenance

HG7 can provide efficient operation and maintenance, such as remote business modification, remote upgrade, remote restart, remote fault diagnosis and so on, making the remote control easy and quick.

High compatible to worldwide OLTs

Compliant with ITU-T G.984 and IEEE 802.3ah standard, HG7 has extensive compatibility with lots of OLT brands worldwide ,like Huawei, ZTE, Fiberhome, Nokia Bell,Tenda and so on.

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Specification

Hardware Features	
GPON Standards	ITU G.984.1, ITU G.984.2, ITU G.984.3, ITU G.984.4
EPON Standards	IEEE802.3ah
IEEE Standards	IEEE 802, 802.1Q, 802.10, IEEE 802.11, 802.3U, 802.3Z
Interface	1*SC/APC or SC/UPC （optional）Port, 2*1000Mbps RJ45 LAN Ports, 1*TEL Port, 1*Power Port
LED	PWR, PON, LOS, LAN, 2.4G,5G, TEL
Button	1*WPS/RST Button
Optical Mode	Class B+
Optical Wavelength	Transmit at 1310nm, Receive at 1490nm
Transmission Distance	20km Max
Bandwidth	EPON：Upstream 1.25Gbps Max, Downstream 1.25Gbps Max GPON：Upstream 1.25Gbps Max, Downstream 2.5Gbps Max
Dimensions (W * D * H)	164*116*29.3mm
TX Power	0.5~5dBm
RX Power	-28~-8dBm
External Power Supply	DC 12V /1A
Power Consumption	≤12w
Certification	CE, FCC , Anatel, RoHS
Software Features	
WAN Connection	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
IP Version	IPv4, IPv6
Services	DHCP, Dynamic DNS , IGMP Proxy UPnP
VPN Pass-through	PPTP, L2TP, IPsec Pass-through
Firewall	ALG, IP Filter ,Port Filter, Mac Filter, URL Filter Port Forwarding, DMZ
IPv6	Radvd, Dhcpv6, MLD Proxy, MLD Snooping
Diagnostics	Ping, Ping6, Tracert, Tracert6
TR069	ACS, Connection request
VoIP	Main Proxy, Black Proxy, SIP Advanced, Forward Mode, Speed Dial, Dial Plan , Codec, Hotline, DND, Alarm

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Specification

Wireless Features

Wireless Standards	IEEE 802.11 a/b/g/n/ac
Frequency	2.4GHz & 5GHz
Bandwidth	2.4G :20M/40M, 5G: 20M/40M/80M
Channel Range	2.4G : CH1-CH13 ; 5G : CH36-CH64, CH100-CH140, CH149-CH165
Antenna	2 * 5 dBi Antenna
Speed	11n 300M + 11ac 867M
Transmit Power	2.4G: <20 dBm(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
SSIDs	Main SSID at 2.4Ghz and 5GHz 4 Guest SSIDs Both At 2.4GHz and 5GHz
Max Terminal Linked	32 at both 2.4GHz and 5GHz

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.