

Tenda



All for better networking.

HG10S

AC1200 Dualband Wi-Fi xPON ONT
with CATV port

www.tendacn.com



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Product Description

Tenda's AC1200 Wireless xPON ONT HG10 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, CATV port and share it wirelessly at 1200 Mbps wireless 802.11ac speeds. HG10 provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.



Dualband Wi-Fi for high speed wireless experience

With the new generation 802.11ac wave 2.0 standard, HG10 offers a concurrent dualband data rate as high as 1167Mbps. Signal boosting & Beamforming+ technology enrich your wireless experience.



High gain antenna & powerful RF for better signal coverage

4*5 dBi antenna and high to 23 dBm strong RF power, with leading accordion wire design, HG10S balances the signal field and gain, providing you stronger Wi-Fi signals. Ensure the good wireless performance for wide signal coverage.



Easy Preset, Pre-Configuration

Provide independent preset tools for customers to customize the default configuration, which can be applied to devices in batches, achieving the batch preconfiguration customized by customers, such as LOGO, SSID, WAN configuration..



High compatible to worldwide OLTs

Compliant with ITU-T G.984 and IEEE 802.3ah standard, HG10 has extensive compatibility with lots of OLT brands worldwide, like Huawei, ZTE, Fiberhome, Nokia Bell, Tenda and so on.



Remote control over CATV port

HG10S comes equipped with an integrated CATV port, offering full remote monitoring and control capabilities for improved flexibility, management, and service efficiency.

Hardware Features

GPON Standards	ITU G.984.1, ITU G.984.2, ITU G.984.3, ITU G.984.4 IEEE802.3ah IEEE 802,
EPON Standards	802.1Q, 802.10, IEEE 802.11, 802.3U, 802.3Z
IEEE Standards	1*SC/APC or SC/UPC (optional) Port, 4*1000Mbps RJ45 LAN Ports, 1*TEL
Interface	Port, 1*Power Port, 1*CATV Port
LED	PWR, PON, LOS, LAN, WLAN, 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 (L×W×H)	220.8×141.9×31mm
TX Power	0.5~5dBm
RX Power	-28~-8dBm
External Power Supply	DC 12V /1A
Power Consumption	≤12w
Certification	CE, 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

Tenda

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 ; 5 G : CH36-CH64, CH149-CH165
Antenna	4 * 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% ~ 95% (Non-condensing)
Storage Humidity	5% ~ 95% (Non-condensing)
CATV Features	
Bandwith	54-870 MHz
Output resistance	75 ohms
Received avg optical power	-8 dBm to +2 dBm
RF otput power	≥17 dBmV/Ch



Specification

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