

*Tenda*



All for better networking.

**HG3**

**N300 Wi-Fi xPON ONT**

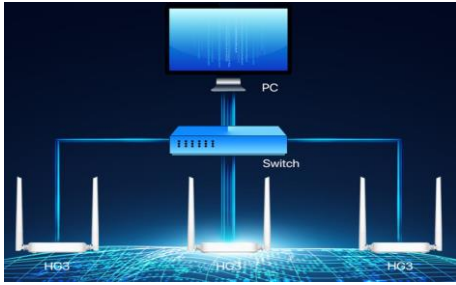
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## HG3 N300 Wi-Fi xPON ONT

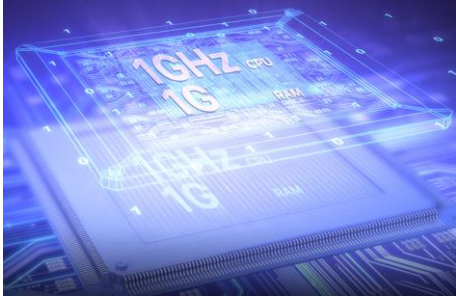
### Product Description

Tenda's N300 Wireless xPON ONT HG3 is a Passive Optical Network terminal which is compatible with EPON and GPON ideal for Fiber To The Home solution. It's an all-in-one device allowing the user to access high-speed internet, IPTV connection via EPON&GPON port and share it wirelessly at 300Mbps wireless 802.11n speeds. HG3 provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.



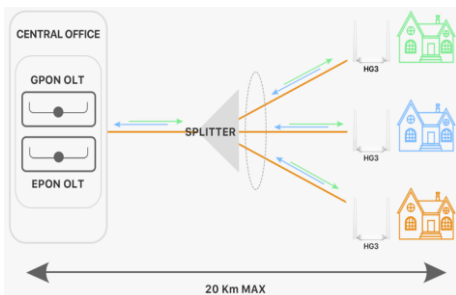
### Easy Preset, Pre-Configuration

HG3 supports batch application of custom default configurations to devices. After user misoperation, the reset function can be restored to the default configuration. The default configuration can only be modified by the ISP, reducing after-sales service.



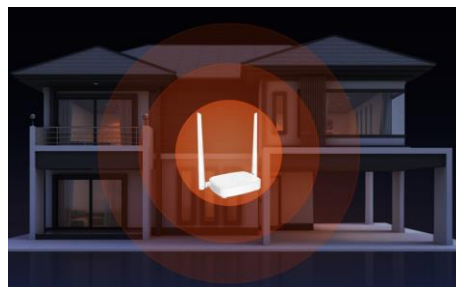
### Stable and Reliable

HG3 uses a 1GHz CPU, cooperates with 1G RAM and offers sharp Internet speed. At the same time, delicate heat dissipation design to run the device safely.



### Auto-adaption for both EPON and GPON Network

HG3 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.



### 2\*5dBi antenna for better Wi-Fi coverage

HG3 uses 2\*5dBi super omni-directional gain antennas with TENDA's RF tuning technology, which allows the signal to cover one more wall.



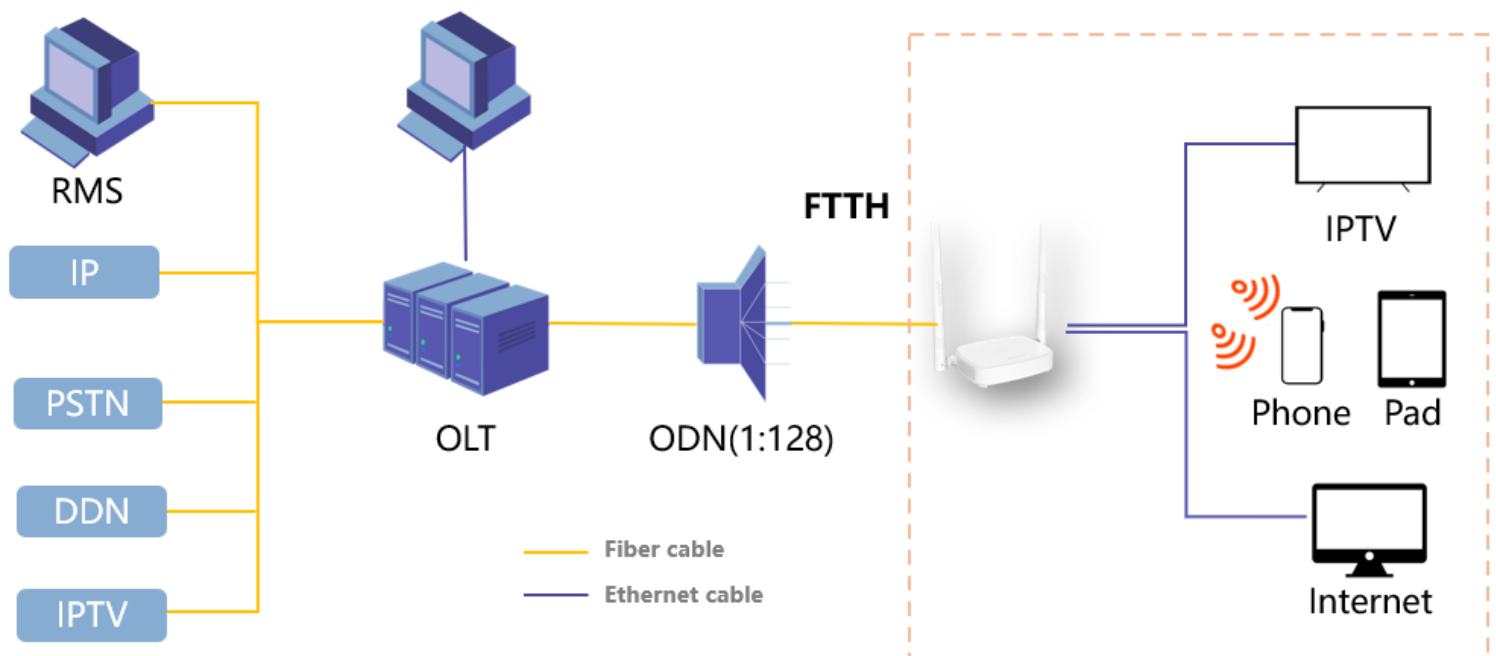
### High compatible to worldwide OLTs

Tenda Labs has conducted several compatibility tests on global mainstream OLT brands, such as Huawei, ZTE, Fiberhome, NOKIA, Tenda, etc., to ensure that ONU is perfectly adapted to the ISP local environment.



### Environmental Friendly

HG3 complies with international standards such as CE, FCC, RoHS, etc., more environmental protection and energy saving. The normal power consumption of HG3 when working is 3.6w and the full load power consumption is 4.6w.



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## Specification

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
Quality Of Service	Bandwidth Control
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

Wireless Features	
Wireless Standards	IEEE 802.11 b/g/n
Frequency	2.4GHz
Bandwidth	20M/40M
Channel Range	CH1-CH13
Antenna	2 * 5 dBi Antenna
Easy Client Setup	WPS/RST Button
Speed	11n 300M
Transmit Power	<20 dBm(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 ,4 Guest SSIDs
Max Terminal Linked	16

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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
Chipset	RTL9603C
Interface	1*SC/APC (or UPC) Port, 1*1000Mbps RJ45 LAN Port, 1*100Mbps RJ45 LAN Port, 1*DC Port
LED	PWR, PON, LOS, LAN, WLAN
Button	1*WPS/RST Button
Optical Mode	Class B+
Optical Wavelength	Transmit at 1310nm, Receive at 1490nm
Transmission Distance	20km Max
Bandwidth	Upstream 1.25Gbps Max, Downstream 2.5Gbps Max
Dimensions (W * D * H)	166.6*90.5*27mm
TX Power	0.5~5dBm
RX Power	-28~-8dBm
External Power Supply	DC 9V /1A
Power Consumption	≤9w

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)

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