



## GONU268 4GE+1RF+WiFi GPON ONU

GONU268 is a GPON-technology-based gateway ONU designed for residential home. It provides one CATV+Satellite RF at 1550nm input optical wavelength along with 4GE GPON interactive data, dual band 2.4G/5G WiFi at 1490nm/1310nm over one single mode fiber. GONU268 can work with OLT from main vendors such as Huawei, ZTE, Calix etc.. Together with Greatway GSS32 Satellite TV converter and CATV+Sat 1550nm fiber optic transmitter GWT3500S, GONU268S subscriber can enjoy local CATV and multi-satellite TV DTH contents without consuming Ethernet bandwidth.

By introducing satellite bandwidth, CATV MSO or Fiber ISP can support up to 4 different Satellite MSO encrypted STBs in any FTTH terminal. FTTH subscribers can enjoy CATV, individual favorite Satellite DTH TV, IPTV, OTT by one fiber connection. It is a value added service at current FTTH Investments.



### Features:

- Compliant with ITU-T G.984.x (G.984.5 support)
- Compliant with SFF-8472
- Compliant with FCC 47 CFR Part 15, Class B
- Compliant with FDA 21 CFR 1040.10 & 1040.11, Class I
- Compliant with IEEE 802.3 Ethernet
- Compliant with ITU-T G.984.2 Amd1, Class B+
- Compliant with 802.1 Q/p VLANs
- Compliant with analog or digital CATV and satellite TV
- RF Output can be disabled by operation at ONU management
- Compliant with CE regulatory

### Specifications

Overview	
Type	Home Gateway Device
Fiber port	One SC/APC interface integrates GPON and Satellite TV
Wavelength	Tx@1310nm, Rx@1490nm, TV RF@1550nm
Data Rate	Downstream 2.5Gbps, Upstream 1.25Gbps
Optical Receive Range	-8 ~ -28dBm (1490nm) 0 ~ -12dBm (1550nm)
WLAN	IEEE802.11a/n/ac,5GHz: Up to 867Mbps IEEE802.11b/g/n,2.4GHz: Up to 300Mbps 5GHz: 11a 54M: -76dBm



	<p>11ac VHT20 MCS8: -70dBm  11ac VHT40 MCS9: -65.5dBm  11ac VHT80 MCS9: -61.5dBm  2.4GHz:  11g 54M: -76dBm  11n HT20 MCS7: -74dBm  11n HT40 MCS7: -71dBm</p>
Wireless Security	64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
RF Output CATV+Satellite	<p>Input Optical Power: -12dBm ~ 0dBm  Operating Wavelength: 1540 ~ 1560nm  Frequency Range: 45MHz~2600MHz  CATV: 54MHz~862MHz  Satellite TV: 950~2150MHz  Frequency Flatness: +/-4.0dB  Output Level: &gt;14dBmV@AGC range  Output Return Loss: &gt; 10dB  RF impedance: 75 Ohm F-type Female  Satellite User Band: 32  Satellite User Band bandwidth: 36MHz (typical)  AGC Dynamic Range: -10dBm ~ -2dBm</p>
LAN	4*10/100/1000Mbps adaptive Ethernet ports, full/half duplex, RJ45 interface
VOIP	One RJ-11 FXS port for connecting to analog telephones Call forwarding, Call waiting, Call block, 3-way conference call, etc.
USB	USB2.0
Interface Button	Reset, Power, WPS
<b>Layer2 Bridging</b>	
MAC	Support the Ethernet data frame filtering based on port, SA/DA Support 2000byte MTU, Compliant with IEEE 802.3as
VLAN	Support SSID to VLAN mapping Support 802.1p, 802.1d, 802.1Q based QoS Support forwarding traffic class into GEMPORT & TCONT Support ingress/egress 802.1p tag based Qos on each port Support double tagging, compliant with IEEE 802.1ad
<b>Layer3 Routing</b>	
Standard	RFC 2663, 3022, 3027, 3489
IP	Support IPV4 & IPV6 dual stack Support DHCP server/client & static IP address
NAT/NAPT	Support NAT, NAPT, multi-NAT, transparent NAT
DNS	Support DNS server, DNS relay, dynamic DNS
Multicast	Support IGMP v2, v3, IGMP snooping
Broadcast	Support broadcast storm suppression
PPP	Support PPP associated with IETF RFCs 1332,1334,1661,1887 e 1994 Support PPP encapsulated over Ethernet



	Support PPP pass through
WIFI	Support Multi SSID Support WPS Support 802.11i security: WEP-64/128, TKIP (WPA-PSK) and AES (WPA2-PSK)
<b>OAM, Security, Application</b>	
Management	Support OMCI, TR-069, Web GUI, CLI
Image	Support firmware upgrade via remote server Hold a working image &a alternative image for image rollback
QoS	Support classify packets based on DSCP, IP, protocol Support classify packets based on 5 classification combination Support SP, WRR, SP+WRR scheduler
Restore Default	Press a hidden button for more than 10s to restore factory default Use GUI Web, CLI, Telnet method to restore factory default
Security	Support Access Control List Support IP, MAC, port, URL filtering Support DDos firewall Support DMZ
<b>Environment</b>	
DC power	12V 1.5A, external AC-DC power adapter
Operating Condition	-5 ~ 45°C, 10%~90%, non condensing
Storage Condition	-40 ~ 70°C, 10%~90%, non condensing
Dimension	182*132*36mm(length*width*highs)
Weight	260g (ONU only, power adapter and packing not included)
<b>Package</b>	
Package	1 x GPON ONU 1 x Quick Installation Guide 1 x Power Adapter

**Ordering Information:****GONU268 GPON ONU (4GE+1RF+dual WiFi)****GONU267 GPON ONU (4GE+1RF+1POTS+dual WiFi)**