



GONU1100W is a fast, convenient, flexible, secure and highly integrated GPON HGU broadband connection device. With 1GE+ 3FE, 1 WiFi, 1 CATV and 1 PON interfaces, it's very suitable for home and small business users for FTTH high speed data and CATV. GONU1100W can work with OLT from main vendors such as Huawei, ZTE, Calix etc..

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 and digital CATV FTTH requirements
- Compliant with CE regulatory

Specifications

Overview	
Type	Home Gateway Device
Fiber port	One SC/APC interface integrates GPON and CATV
Wavelength	Tx@1310nm, Rx@1490nm, RF@1550nm
Data Rate	Downstream 2.5Gbps, Upstream 1.25Gbps
Optical Receive Range	-8 ~ -28dBm (1490nm) -2 ~ -15dBm (1550nm)
WLAN	IEEE802.11b/g/n, 300Mbps, two built-in 2Dbi antenna Band & Frequency: Band1~13, From 2.4~2.483GHz Max Tx Power: 16 dBm RX Sensitivity: HT20 54M @-69dBm; HT20 130M@-67dBm; HT40 270M@-64dBm Support 64 connections

CATV	<p>Frequency Range: 45MHz~1000MHz (1218MHz optional)</p> <p>Output Level: >14dBmV</p> <p>Output Return Loss: > 14dB</p> <p>RF impedance: 75 Ohm</p> <p>CNR > 46dB; CSO > 62dB; CTB > 62dB (analog TV, -6dBm)</p> <p>MER > 33dB (QAM TV, -12dBm)</p> <p>AGC Dynamic Range (optical): -12dBm ~ -2dBm</p>
LAN	1*10/100/1000Mbps+3*10/100Mbps adaptive Ethernet ports, full/half duplex, RJ45 interface
DC power	12V 1A, external AC-DC power adapter
Button	Reset, power, WPS
Operating Temperature	-5 ~ 45℃
Operating Humidity	10%~90% , non condensing
Installation	Desktop
Dimension	180*110*30mm(length*width*highs)
Weight	235g (ONU only, power adapter and packing not included)
Layer2 Bridging	
MAC	<p>support the Ethernet data frame filtering based on port, SA/DA</p> <p>Support 2000byte MTU, Compliant with IEEE 802.3as</p>
VLAN	<p>Support SSID to VLAN mapping</p> <p>Support 802.1p, 802.1d, 802.1Q based QoS</p> <p>Support forwarding traffic class into GEMPORT & TCONT</p> <p>Support ingress/egress 802.1p tag based QoS on each port</p> <p>Support double tagging, compliant with IEEE 802.1ad</p>
Layer3 Routing	
Standard	RFC 2663, 3022, 3027, 3489
IP	<p>Support IPV4 & IPV6 dual stack</p> <p>Support DHCP server/client & static IP address</p>
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	<p>Support PPP associated with IETF RFCs 1332,1334,1661,1887 e 1994</p> <p>Support PPP encapsulated over Ethernet</p> <p>Support PPP pass through</p>
WIFI	<p>Support Multi SSID</p> <p>Support WPS</p> <p>Support 802.11i security: WEP-64/128, TKIP (WPA-PSK) and AES (WPA2-PSK)</p>
OAM, Security, Application	
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