

ONU300G-4GE2V2W

GPON ONU with **4GE + 2FXS + 2.4G Wi-Fi & 5.8G Wi-Fi** port

Product Overview

The ONU300G-4GE2V2W is a GPON-technology-based gateway ONU designed for home and SOHO (small office and home office) users. It is designed with one optical interface which is compliant with ITU-T G984.X and ITU-T G.988 standards. The fiber access provides high-speed data channels and meets FTTH requirements, which can provide enough bandwidth supports for a variety of emerging network services. Two voice interfaces, four channel of 10/100/1000M self-adaption Ethernet interface are provided, which can be used by multiple users simultaneously.



The ONU300G-4GE2V2W supports 802.11ac dual-frequency bands Wi-Fi (2.4 GHz and 5.8 GHz) interface. It supports flexible applications and plug and play, as well as provides high-quality voice, data and high-definition video services to users. Furthermore, it provides ideal terminal solutions and future business supports capabilities for FTTH deployment.

Features

- Meets FTTH requirements to provide high-speed Internet access and voice service;
- Compliant with ITU-T G984.X and ITU-T G.988 Standards and compatible with mainstream OLT in the industry;
- Supports DBA (Dynamic Bandwidth Assignment);
- Supports uplink and downlink bidirectional FEC (Forward Error Correction);
- Supports powerful QoS function to meet the needs of different business types;
- Downlink speed up to 2.5Gbits/s and uplink speed up to 1.25Gbits/s;
- 10M/100M/1000M rate, full/half duplex self-adaption;
- Supports IGMP Snooping and controllable multicast;
- Supports dying-gasp and data encryption;

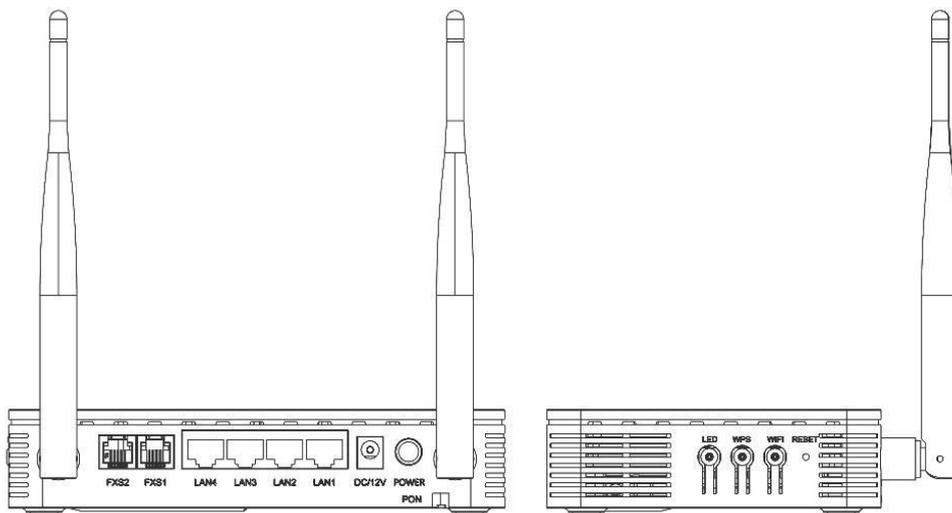
- Supports two channels of SIP/H248-Protocol-based voice services;
- High integration chip is adopted-- a single chip integrates PON and gateway modules, which is efficient and energy saving;
- Supports Bridge or Router Mode or mixed working mode. Under Router mode, static configuration of multiple working modes such as IP address, DHCP and PPPoE are supported;
- High-speed forwarding can be realized by NAT function, which enables multiple users to share one public IP address to realize internet access;
- Supports DHCP server function, which facilitates users to configure the network;
- Linux-based operating system ensures stable and smooth operation;
- Supports TR069 protocol and be with comprehensive and detailed network management, as well as the web interface which is easy and simple to operate;
- Built-in firewall function, MAC address-based black and white list filtering, uplink and downlink based three-layer filtering rules creates a safer network for users;
- Concise and clear indicator light status enables quick and accurate fault location;
- Supports remote firmware upgrade of the device, which allows easy maintenance;
- Small size and light weight makes it easy for new installations and upgrade existing network.

Specifications

Item	Description
Uplink Interface	<ul style="list-style-type: none"> ● One GPON port
Optical Connector	<ul style="list-style-type: none"> ● SC/UPC or SC/APC (optional)
Service Interface	<ul style="list-style-type: none"> ● Four 10/100/1000 Base-T ports (RJ45)
VoIP Interface	<ul style="list-style-type: none"> ● Two FXS ports (RJ11)
Wireless	<ul style="list-style-type: none"> ● External antenna ● IEEE 802.11b/g/n/ac compliant ● Frequency: 2.4 GHz & 5.8 GHz ● Two Transmit and Two Receive path (2T2R)

Dimension (W * D * H)	● 175mm * 145.5mm * 35mm
Power Consumption	● < 15W
Power Adapter Input	● 100V to 240V AC, 50 Hz/60 Hz
Power Adapter Output	● 12V DC, 1.5A
Operating Temperature	● -5°C to +50°C
Operating Humidity	● 0 to 90% (non-condensing)

Rear View



Item	Description
FXS1 ~ FXS2	● Connect to VoIP phone
LAN1 ~ LAN4	● Connect to PC or LAN
DC/12V	● Connect an external power supply
Power Button	● Turn on /off the unit
Antenna	● Transmit and receive Wi-Fi packets
LED Indicator	● Press for 2 seconds, all the LED turn off or turn on

WPS Indicator	<ul style="list-style-type: none">● Press for 2 seconds, WPS function disable or enable
WIFI Indicator	<ul style="list-style-type: none">● Press for 2 seconds, WLAN function disable or enable
RESET	<ul style="list-style-type: none">● Press for 5~10 seconds, reset ONU to the factory configuration
PON port	<ul style="list-style-type: none">● Connect optical network