ONU300G-1GE

*GPON ONU with **1GE** port*

Product Overview

The ONU300G-1GE is a GPON-technology-based ONU designed for home and SOHO (small office and home office) users. It is an access device which adopts FTTH (Fiber to The Home) typical networking mode and provides a variety of services such as high-speed Internet access, online video on demand, video conference and large file transfer service to users. Remote service distribution, fault diagnosis and performance statistics can be realized by OMCI, which effectively reduces the operation and maintenance cost.
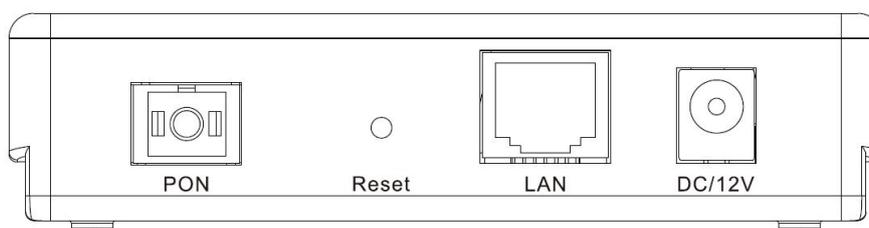
Features

➢ Meets FTTH requirements and provide high-speed Internet access and voice service;

➢ Compliant with ITU-T G984.X standards and compatible with mainstream OLTs in the industry;

➢ Supports DBA (Dynamic Bandwidth Assignment);

➢ Supports uplink and downlink bidirectional FEC (Forward Error Correction);

➢ Supports powerful QoS feature to prioritize different types of service traffic;

➢ 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 transparent transmission, conversion and aggregation of VLAN;

➢ Supports dying-gasp and data encryption;

➢ Linux-based operating system ensures stable and smooth operation;

➢ Comprehensive and detailed network management, as well as the web interface which is easy and simple to operate;

➢ Concise and clear indicator light status enables quick and accurate fault identification;

➢ Supports remote firmware upgrade of the device, which allows easy maintenance;

➢ Small size and light weight makes it easy for new installations or upgrading existing network.

Specifications

Item	Description
Uplink Interface	● One GPON port
Optical Connector	● SC/UPC or SC/APC (optional)
Service Interface	● One 10/100/1000 Base-T ports (RJ45)
Dimensions (H * W * D)	● 105mm * 75mm * 26mm
Power Consumption	● < 6W
Weight	● <0.5kg
Power Adapter Input	● 100V to 240V AC, 50 Hz/60 Hz
Power Adapter Output	● 12V DC, 0.5A
Operating Temperature	● -5°C to +50°C
Operating Humidity	● 0 to 90% (non-condensing)

Interface Description

■ **PON interface**: connected to the upper OLT equipment;

■ **LAN port**: connected to the terminal computer;

■ **DC connector**: connected 12V DC power adapter.