

## GPON Solution >> ONT >> C604G

GPON ONT 4-Ports GE



### Overview

The C604G is an GPON Optical Network Terminal designed for SFU (Single Family Unit) used in home and small office environment. It provides subscriber with high performance, individualized, and feature rich services including video (IPTV), voice and high speed internet access. It has a glossy appearance with eco friendly and energy-saving advantage.

It supports 4 Gigabit Ethernet (UTP, RJ45) interfaces to the subscriber. It is connected to GPON OLT and RN (Remote Node) via a fiber optic cable to provide TPS (Triple Play Service).

The C604G basically operates VLAN translation, VLAN trunking and tagged /untagged VLAN per Ethernet port which will give network operator versatility to construct network per its own requirement. Besides, the OAM features based upon standard compliant OMCI facilitate more convenient and effective network operation.

### Features

- ITU-T G.984 GPON compliant
- 4 Ethernet LAN ports supported 10/100/1000Base-T ports
- OMCI
- QoS, CoS
- Dying Gasp support
- -10°C ~ 60°C Operating Temperature
- 5% ~ 95% Humidity(Non-Condensing)

### Specification

Item	Description
SYSTEM HW ARCHITECTURE	<ul style="list-style-type: none"> <li>• 4 Port 10/100/1000 Base-T Ethernet data interfaces</li> <li>• Ethernet port auto negotiation or manual configuration</li> <li>• MDI/MDIX automatic sensing</li> <li>• AC Adapter input 100 ~ 240 volts , 50/60 Hz</li> <li>• Power Input 12V, 1.5A (feed via external AC/DC adapter)</li> <li>• 180mm(W) x 135mm(D) x 40mm(H) SFU-Type Dimension</li> <li>• -10°C~60°C (32°F~140 °F) Operating Temperature</li> <li>• Dying Gasp support</li> </ul>
NETWORK FEATURES	<ul style="list-style-type: none"> <li>• Bridge Mode Support</li> <li>• Up to 256 MAC addresses and 16 VLAN groups</li> <li>• VLAN stacking (Q-in-Q), VLAN translation, VLAN trunking</li> <li>• VLAN tagging/detagging per Ethernet port</li> <li>• IGMP v2/v3 snooping</li> </ul>

<p>PON FEATURES</p>	<ul style="list-style-type: none"> <li>• ITU-T G.984 GPON compliant (984.1/2/3/4)</li> <li>• Compliant to FSAN G.984.2 specifications</li> <li>• 1310nm Tx, 1490nm Rx</li> <li>• 1244Mbps Tx / 2488Mbps Rx asymmetric data rate</li> <li>• Burst mode upstream transmission</li> <li>• 20km reach</li> <li>• GR-468-CORE compliant SC/APC connector</li> <li>• Multiple T-CONTs, Multiple Port-IDs</li> <li>• NSR/SR DBA</li> <li>• Upstream and Downstream FEC</li> <li>• AES-128 decryption</li> <li>• 512 Port-Ids</li> <li>• 8 Transmission Container</li> <li>• Maximum 2.488 Gbps Downlink/1.244 Gbps Uplink</li> </ul>
<p>QoS / Security FEATURES</p>	<ul style="list-style-type: none"> <li>• IP ToS/DSCP to 802.1p mapping</li> <li>• CoS based on VLAN-ID, 802.1p bit, ToS/DSCP</li> <li>• Marking/remarking of 802.1p</li> <li>• QoS Support with 4-traffic classed based on arrival port, IEEE802.1p, Ipv4 TOS</li> <li>• Mac Address Limit for Mac Spoofing Attack</li> <li>• Static Mac Address</li> </ul>
<p>OAM</p>	<ul style="list-style-type: none"> <li>• Standards-compliant OMCI as defined in ITU-T G.984.4 and G.983.2</li> <li>• Management Information Base (MIB) manipulation over OMCI by Create, Delete, Set, Get and Get Next commands</li> <li>• Provisioning for all services including Ethernet, IPTV, etc.</li> <li>• Alarming and AVC report, performance monitoring</li> <li>• Remote image download over OMCI, as well as activation and rebooting</li> <li>• Holds two F/W banks for image integrity and rollback</li> </ul>