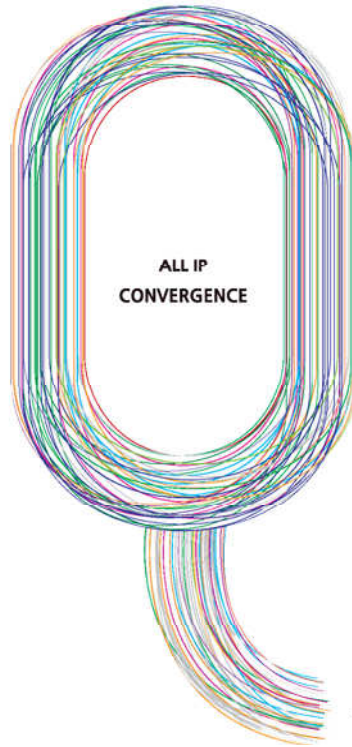


PON Product

■ Datasheet

C601B



ubiQuoss Inc.

24F Millennium B/D, 467-12 Dogok-Dong
Gangnam-Gu, Seoul 135-700 Korea

TEL: +82-70-8666-5000

FAX: +82-2-2190-3201

E-mail: oversea.group@ubiQuoss.com

www.ubiQuoss.com

Seamless Network Solution

All IP Convergence

Perfective Technology

The best partner of the main Internet Service Providers in Korea

Best OAM (Operation, Administration, Maintenance) Support

Perfective Network, System, Port Redundancy Support

Many Experience of System Deployment on Campus Network

ubiQuoss



Table of Contents

Table of Contents.....	III
GPON Solution >> ONT >> C601B.....	1
Overview.....	1
Deployment.....	1
Features.....	2
Specification.....	2

GPON Solution >> ONT >> C601B



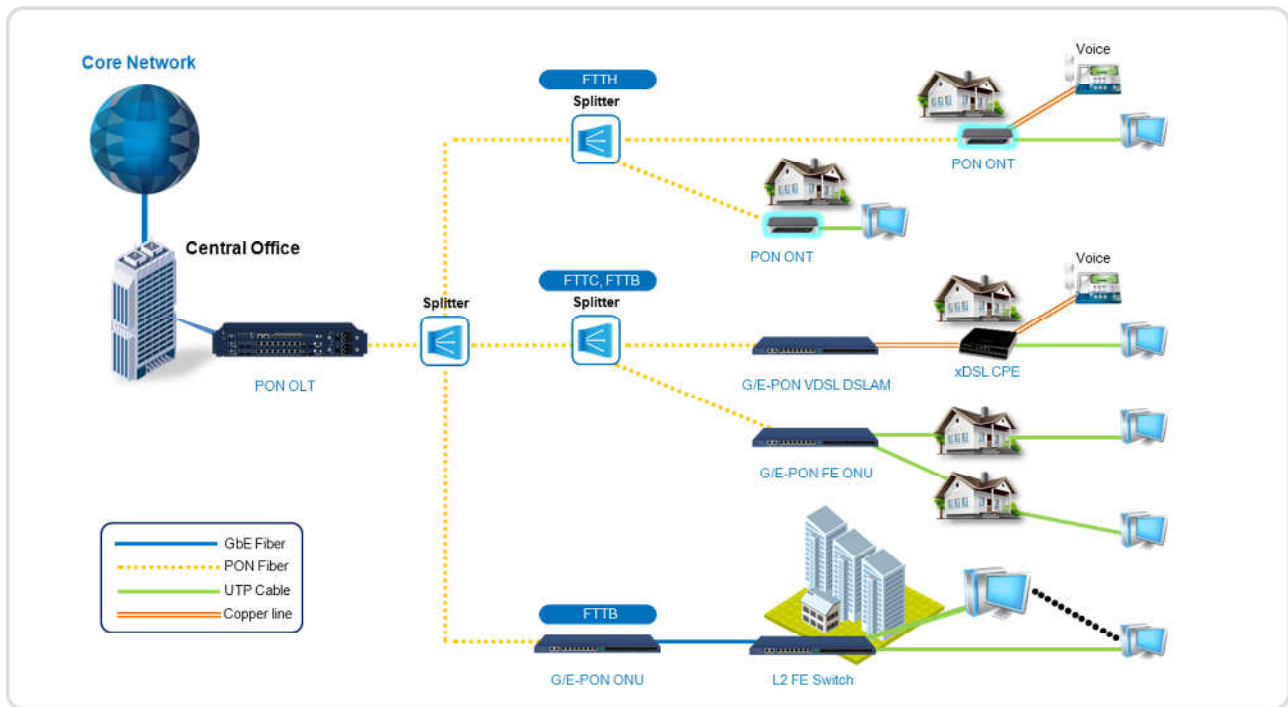
Overview

The C601B 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 a single 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 C601B 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.

Deployment



Features

- ITU-T G.984 GPON compliant
- OMCI supported
- A single Ethernet LAN port(10/100/1000Base-T)
- Bridge mode operation
- Transceiver auto shutdown function
- QoS Supported
- Low Power consumption: less than 5W

Specification

Hardware

Item	Description	
Type	Desktop type	
Interface	Line	2.488Gbps downstream and up to 1.244Gbps upstream with a minimum 28dB budget, compliant with ITU-T G.984.3
	LAN	One 10/100/1000BaseTx port, MDI/MDIX Auto-Negotiation
	PWR	Power switch, on/off
	Input Power	Input Power, 110/240V AC Adaptor (12VDC)
Front Panel LED	PWR	Power On/Off status
	LAN	UNI link up(ON) / Data Transmission(Flash) / UNI link down(OFF)
	PON	PON is fully operational(ON) / ONT does not start ranging(OFF) Flash/Slows – ONT is in activation process
	LOS	LOS is detected(ON) / No LOS alarm(OFF) Flash/Slows - ONT software is updating
Environment	<ul style="list-style-type: none"> ▪ 0°C to 45°C Operating Temperature ▪ 5% ~ 95% Humidity(Non-Condensing) 	
Accessories	<ul style="list-style-type: none"> ▪ UTP Cat.5 Ethernet Cable(RJ-45, Straight) ▪ Power Adaptor (Input - AC: 100 ~ 220V (± 20%)) ▪ User Manual 	

Software

Item	Description	
Function and Performance	GPON	ITU-T G.984 compliant (G.984.1/2/3/4) 1.244Gbps upstream, 2.488Gbps downstream 128-bit downstream AES with key switching Up to 8T-CONTs support, Up to 64 GEM ports supported Dying Gasp supported both in PLOAM and OMCI Activation with registration ID mechanism when newly installed
	L2 Features	IEEE802.1Q VLAN IEEE 802.1D MAC Bridging Support up to 256 MAC Addresses, MAC limiting per UNI port
	Multicasting	IGMP v2/v3 snooping, IGMP Proxy supported Multicast GEM Port
	QoS	Rate limiting U/S Scheduling, D/S Scheduling
	OAM	G.984.4 compliant OMCI CLI (access by UART or TELNET) for configuration display, alarms & status reporting, diagnostic operations & reporting

		Web access support in order to change ONT password, update ONT software
--	--	---