

## GE-PON Solution >> ONT >> C501LL



### Overview

C501LL 가정 및 소규모 사무실 환경에서 사용하는 SFU(Single Family Unit)을 위한 EPON 광네트워크 터미널입니다. 그것은 비디오 (IPTV), 음성 및 고속 인터넷 접속 등 풍부하고 개별적으로 적합한 트리플 플레이 서비스를 가입자에게 제공합니다. 이 제품은 Green(에너지 절약)된다는 장점이 있습니다.

가입자에게 1개의 기가비트 이더넷 (UTP, RJ45) 포트를 지원합니다. 광케이블을 통해 TPS (Triple Play Service)를 제공하는 GEAPON OLT와 RN(Remote Node)에 연결되어 있습니다.

첨단 E-PON 기술을 채택하여, C501LL는 시스템의 문제나 사용자의 사용자 정보를 수집하여 가입자 정보를 안전하게 보호하는 가입자 회선 보안 기능과 QoS(Quality of Service) 관리 기능 등 다양한 기능을 지원합니다.

### Features

- One port Gigabit Ethernet for downstream
- Bridge mode operation
- Multicast Support for IPTV Service
- LD Shutdown Function when ONT occurs the fault. (Automatic Shutdown Function)
- QoS Features
- IPv4/IPv6 Compatibility
- Compliant with 1000BASE-PX10 according to YD/T 1475-2006-EPON.
- ONU queue priority: no less than 4.
- Low Power consumption: less than 5W

### Specification

#### Hardware

Item	Description	
Type	Desktop type	
Interface	Line	1000Base-PX10 (SC/APC), need to be kept clean
	LAN	One 10/100/1000BaseTx port, MDI/MDIX Auto-Negotiation
	PWR	Power Switch, On/Off
	Input Power	Input Power, DC 5V 2A
Front Panel LED	PWR	Power On/Off status
	Line	Logical Link status of PON, Loss of Optical Signal
	Data	PON Link and Data Transmission status
	LAN	LAN Link and Data Transmission status

Accessories	UTP Cat.5 Ethernet Cable(RJ-45, Straight) Power Adaptor (Input - AC: 100 ~ 220V (± 20%)) User Manual
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### Software

Item		Description
Standard		IEEE 802.3ah
Function and Performance	EPON	IEEE802.3ah MPCP, OAM compliant 802.1Q VLAN Per LLID Filtering/Classification Supports up to four Logical Link IDs (LLID) AES-128 Downstream decryption Dying Gasp Automatic Plug and Play function for WAN PON Port (Discovery and Authorization)
	L2 Features	IEEE802.1Q VLAN IEEE802.1D Spanning Tree Protocol Support up to 256 MAC Address
	Multicasting	IGMP v1/v2, IGMP proxy/snooping for IPTV service
	QoS	IEEE802.1P Packet classification and marking (802.1P) Rate limiting
	Security & filtering	MAC address limiting
Technical Standard and Protocol		IEEE Std 802.3™-2002 Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications IEEE Std 802.1D, 1998 Edition Media Access Control (MAC) Bridges IEEE Std 802.1Q, 2003Edition Virtual Bridged Local Area Networks IEEE Std 802.1w-2001 Media Access Control (MAC) Bridges — Amendment 2: Rapid Reconfiguration IEEE Std 802.1s™-2002 Virtual Bridged Local Area Networks—Amendment 3: Multiple Spanning Trees IEEE Std 802.1X-2001 Port-Based Network Access Control IEEE Std 802.3ah.-2004 Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Media Access Control Parameters, Physical Layers, and Management Parameters for Subscriber Access Networks IEEE P802.1ad/D6.0 Draft Standard for Local and Metropolitan Area Networks—Virtual Bridged Local Area Networks — Amendment 4: Provider Bridges