GL-G8031U-DRP

Product description：

The GPON ONT optical network unit GL-G8031U-DR is a single-family unit (SFU) that integrates strong interoperability, key customer specific needs and low cost to provide triple-play services to users of FTTB applications.

GL-G8031U-DR is equipped with 2.5G rate downstream interface and 1.25G rate upstream interface in accordance with ITU-T G.984 standard, which can provide a comprehensive triple play service, including voice, video (IPTV or VoD) and high-speed Internet Access service.

The GL-G8031U-DR optical network unit provides a management channel that conforms to the standard OMCI definition, can achieve remote management, and supports a full range of FCAPS monitoring and maintenance functions.Can provide 4-way POE power supply function, support IEEE802.3af, IEEE802.3at standards.

Product specification：

Item	GL-G8031U-DRP
Hardware interface	• 4 *10/100/1000 Base-T RJ-45 ethernet interface • Ethernet port auto-negotiation or manual configuration • MDI/MDIX Automatic detection function • Upstream and downstream directions based on hardware priority queue support service classification（CoS）
Power	• +12V（Provided by external AC / DC power converter） • 2-PIN Power converter input • Support Dying Gasp • Power button
Power consumption	• <8W(Power consumption without POE calculation)
Dimensions	• 240mm x117mm x30mm (W x D x H)
Full weight	• 0.28kg
Environmental parameters	• Temperature： 0℃~ 50℃ • Humidity： 5% ~ 95% Relative humidity

Characteristics：

Business	Achieve
GPON characteristic	• Compliant with ITU-T G.984 GPON standard • Support GEM Encapsulation mode • Support DBA（Dynamic Bandwidth Assignment） • Support 40 T-CONT and 256*GEM Port • Support Class B+ Optical power budget • Support VLAN-to-GEM Port mapping • Support FEC（Forward Error Correction） • Realize embeded OAM （Operations， Administration and Maintenance），PLOAM（Physical Layer OAM），OMCI • Support Downstream 128 bit AES （Advanced Encryption Standard）encryption • Support power failure alarm

VLAN	• Support port-based VLAN and IEEE 802.1Q VLAN • Support full range VID and PVID • Support setting tag attribute based on port + VLAN
Broadcast storm suppression	• The number of broadcast messages can be set
STP	• Support IEEE 802.1d/1s/1w Spanning Tree Protocol
Port aggregation	• Support
Bandwidth control	• Support 64K to 100M, send and receive separately controlled
Mirror	• Support port mirroring function
QoS	• Support priority based on port / 802.1p / IP-TOS • Support 4 levels of priority control
Upgrade	• Support Xmodem、 TFTP Protocol upgrade
Management	• Support Telnet Remote configuration • Support SNMP management • Support WEB management
Security features	• Support centralized authentication of user passwords for administrators • Support port lock, can limit the number of MAC addresses per port
	• Support 802.1x
Maintenance	• Support debugging information output • Support PING • Support system log