RLTECH
Connecting People's Network

Highlights

- VLAN management
- Loop detection
- DHCP Option82
- BPDU transparency transmission
- ipv4, ipv6, ipv4/ipv6 Dual Stack
- ALG, UPnP, DDNS, DMZ
- NAT/NAPT
- Static Route/Default Route
- OAM/OMCI/Web UI/TR069/AVASA （optional）
- Port Mapping

OLT - RH80001GR

Product Introduction

RH8001GR is a Single Port OLT designed and Manufactured by RLTECH to meet the enterprise Level Requirements for all-optical network Infrastructures. It has the characteristics of high reliability, good QoS, manageability, scalability and flexibility for various networks. Sync-up with ONU, it can provide the enterprise grade full-optical network coverage. It is suitable for different applications such as Small & Medium Business, commercial building, Community & residential Sector, schools, hospital and many more. It can meet the access needs of users for high-speed networks.

Plug and Play features of OLT RH80001GR automatically connects with ONU to provide the Ultimate networking experience. RH8001GR OLT provides 1 GPON ports on the user side, and support up to 128 ONU, it supports Wi-Fi management of ONU, and has high stability operation, The SFP modules of RH8001GR supports all types of Models like GPON/XGPON/XGS-PON/10GE/GE.

Hardware Specification

Uplink interface	Downlink interface
1*SFP (10GE/GE SFP, or GPON/XGPON/XGS-PON ONT module)	1*GPON 4*GE 1*USB
Power supply	**Power consumption**
Adapter DC12V/1.5A	**＜18W**
Operating temperature	**Operating humidity**
-20℃～+60℃	**10%～95%(Non-condensing)**
Dimensions	**Net weight**
220*145*44mm （L*W*H）	**About 800g**

CE RoHS compliant

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Interface Parameters Applications

Interface type	Interface parameters
Uplink interface	● 1*SFP port ● Support GPON/XGPON/XGS-PON/10GE/GE

Downlink PON port	● 1*GPON
	
	● Interface type: SC/UPC or SC/APC
	
	● GPON parameters：
	
	  TX: 1.5dBm～5dBm
	
	  RX: -8dBm～-28dBm

LAN port	● RJ45 ● 4*GE
USB	USB 2.0

Product Functions Applications

Layer 2 services	Layer 3 services
● VLAN management ● Loop detection ● DHCP Option82 ● BPDU transparency transmission	● ipv4,ipv6,ipv4/ipv6 Dual Stack ● Port Mapping ● ALG, UPnP, DDNS, DMZ ● NAT/NAPT ● Static Route/Default Route ● Multi-Services Integration
Multicast ● IPV4/IPV6 multicast	**QOS** ● QOS speed limit
AC Management ● Manage and configure Wi-Fi	**OAM** ● OAM/OMCI/Web UI/TR069/AVASA（optional）
Security ● Firewall ● Anti-DOS attack ● MAC/IP/URL Address Filtering	**VPN** ● L2TP VPN ● IPSec VPN
Network Services ● GPON/XGPON/XGS-PON/10GE/GE Uplink ● Easy mesh Networking/AC management	**Enterprise Network** ● No electromagnetic interference and low latency. ● GUI Interface for Network Topology ● Mobile APP management（Optional）