

OLT RH8002GR

Datasheet

Product Introduction

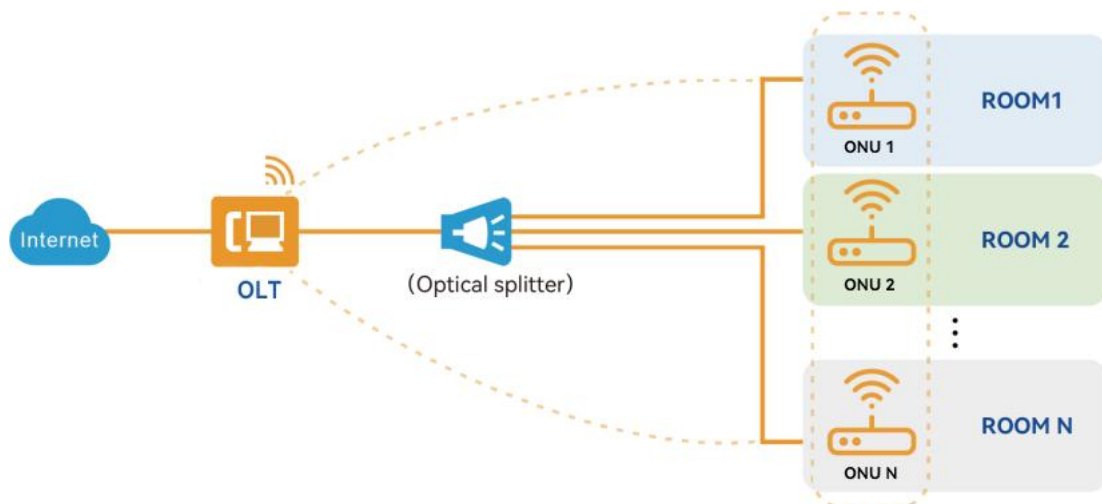
RH8002GR is an OLT designed by RLTECH to meet the needs of enterprise all-optical network construction. It has the characteristics of high reliability, good QoS, manageable, scalable, and flexible networking. Cooperate with ONU, it can realize the enterprise full-optical network coverage. It is suitable for different workplaces such as SMB, commercial building, school and hospital, it can meet the access needs of users for high-speed network.



Remark: The pictures in this document may be different from the actual product, please refer to the actual product.

Typical Application

RH8002GR is an OLT designed for enterprise all-optical networking. Its networking scenarios can be referenced in the figure below



Product Advantages

- Minimal deployment: The OLT and ONU automatically network, plug and play.
- Ultimate experience: Has a large number of connected devices, it provides 2 GPON ports on the user side, and each GPON port can support up to 128 ONU, it supports Wi-Fi management of ONU, and has high stability operation.
- Good compatibility: The network interface is compatible with the SFP modules of GPON/XGPON/XGS-PON/10GE/GE.

Hardware Specification

Uplink interface	Downlink interface
1*SFP(10GE/GE SFP,or GPON/XGPON/XGS-PON ONT module)	2*GPON 4*GE 1*USB
Power supply	Power consumption
Built-in power module Input: AC100-240V, 50/60Hz, 0.5Am(max) Output: DC12V, 1.5A	<18W
Operating temperature	Operating humidity
-20℃~+60℃	10%~95%(Non-condensing)
Dimensions	Net weight
440*170*44mm (L*W*H)	About 1Kg

Interface Parameters

Interface type	Interface parameters
Uplink interface	<ul style="list-style-type: none"> ● 1*SFP port ● Support GPON/XGPON/XGS-PON/10GE/GE
Downlink PON port	<ul style="list-style-type: none"> ● 2*GPON ● Interface type: SC/UPC or SC/APC ● GPON parameters: TX: 1.5dBm~5dBm RX: -8dBm~-28dBm

LAN port	<ul style="list-style-type: none"> ● RJ45 ● 4*GE
USB	USB 2.0

Product Functions

Layer 2 services <ul style="list-style-type: none"> ● VLAN management ● Loop detection ● DHCP Option82 ● BPDU transparency transmission 	Layer 3 services <ul style="list-style-type: none"> ● ipv4,ipv6,ipv4/ipv6 Dual Stack ● Port Mapping ● ALG, UPnP, DDNS, DMZ ● NAT/NAPT ● Static Route/Default Route ● Multi-Services Integration
Multicast <ul style="list-style-type: none"> ● IPV4/IPV6 multicast 	QOS <ul style="list-style-type: none"> ● QOS speed limit
AC Management <ul style="list-style-type: none"> ● Manage and configure Wi-Fi 	OAM <ul style="list-style-type: none"> ● OAM/OMCI/Web UI/TR069/AVASA (optional)
Security <ul style="list-style-type: none"> ● Firewall ● Anti-DOS attack ● MAC/IP/URL Address Filtering 	VPN <ul style="list-style-type: none"> ● L2TP VPN ● IPSec VPN
Network Services <ul style="list-style-type: none"> ● GPON/XGPON/XGS-PON/10GE/GE Uplink ● Easy mesh Networking/AC management 	Enterprise Network <ul style="list-style-type: none"> ● Support for all-optical enterprise Wi-Fi coverage. ● No electromagnetic interference and low latency. ● Visual manage the network topology.

Management :

- Remote management and maintenance
- mobile APP management (Optional)
- PC-side Web management