

OLT RH8001GR

Datasheet



Product Introduction

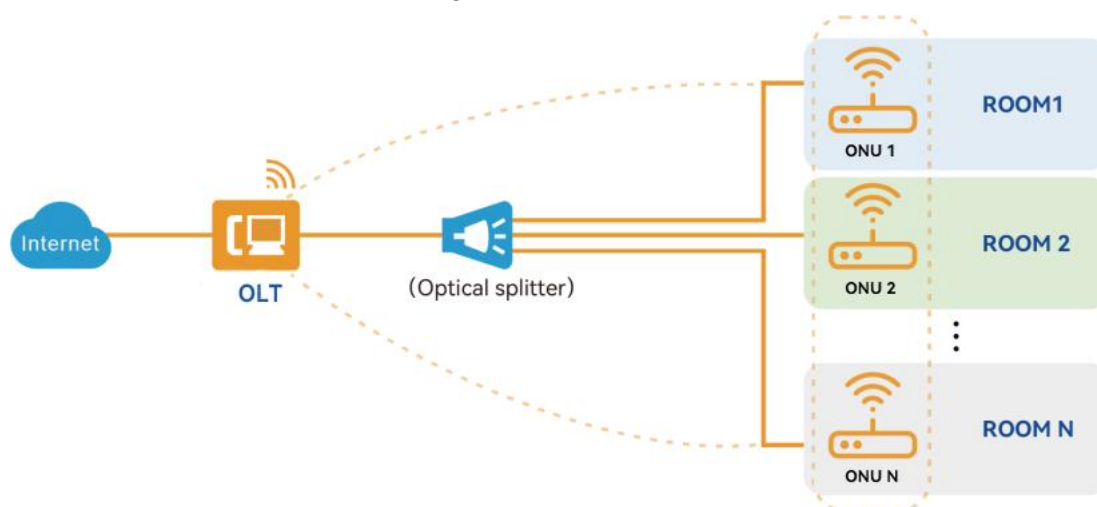
RH8001GR is an OLT designed by RLTECH to meet the needs of enterprise all-optical network construction. It has the characteristics of high reliability, good QoS , manageable, scalable, and flexible networking. Cooperate with ONU, it can realize the enterprise full-optical network coverage. It is suitable 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

RH8001GR is an OLT designed for enterprise all-optical network. Its networking scenarios can be referenced in the figure below



Product Advantages

- Minimal deployment: The OLT and ONU automatically networking, plug and play.
- Ultimate experience: Has a large number of connected devices, it provides 1 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)	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

Interface Parameters

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

Layer 2 services ● VLAN management ● Loop detection ● DHCP Option82 ● BPDU transparency transmission	Layer 3 services ● 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 ● 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