



RH801GW xPON ONT



DNS

Support TR069,NAT,
DMZ,DNS features



Support IGMP multicast and
using bandwidth efficiently



Support Multiple VLAN



Support network storm control



Support IPV6 ,PPPoE, DHCP
and Static IP configuration for
WAN Interface



Support IP, MAC filtering,
Firewall Functionality in
routed mode

1. Product Overview

By introducing latest fiber XPON access technology, The RLTECH RH801GW brings carrier class high-end networking solution for advanced triple play services. It compliant with ITU-T G.984 standard, wireless for combined connection speeds of up to 300 Mbps on 11n 2.4 GHz, Layer 2/3, RH801GW support the comprehensive triple-play services, including data, video IPTV or VoD), and high-speed internet access service.



2. RH801GW GPON Interface

Parameter	Nominal
Connector style	SC/PC
PON quantity	1
PON quantity	Single mode
Wavelength	TX:1310 +/-20nm RX:1490 +/-10nm
PON interface standard	ITU-T G.984.2/ITU-T G.984.3/ITU-TG.988 Class B+
PON interface receiving rate	1.244Gpbs
PON interface transmitting rate	2.488Gpbs
Output optical power	Min: 0dBm Max: +5dBm
Optical receiver sensitivity	Precede -28dBm
The length of the optical link	Max 20km

3. WIFI Specifications

Standard	IEEE 802.11 ac/b/g/n
Frequency	2.4-2.4835GHz 2.4GHz Frequency
Transmission speed	IEEE 802.11b :11/5.5/2/1M(Auto) IEEE 802.11g:54/48/36/24/18/12/9/6(Auto) IEEE 802.11n:270/243/216/162/108/81/54/27Mbps, up to 300Mbps
Channel number	2.4GHz :13
Spread-spectrum Technique	DSSS(Direct sequence spread spectrum)
Data Modulation	DBPSK、DQPSK、CCK and OFDM(BPSK/QPSK/16-QAM/64-QAM)
Sensitivity @PER (Packet Error Rate)	270M:-68dBm@10% PER;130M:-68dBm@10% PER 108M:-68dBm@10% PER;54M:-68dBm@10% PER 11M:-85dBm@8% PER;6M:-88dBm@10% PER 1M:-90dBm@8% PER
Transmission Distance	Indoor Maximum 120 meter, Outdoor Maximum 360 meters (The distance depends on the environment)
RF power	20dBm EIRP
Antenna	5dBi Antennas

4. Specification and working environment

Parameter	Nominal
Dimension	180mm×148mm×31mm (L×W×H)
Net weight	0.26kg
Typical power consumption	<7W
Noise	None
Cooling style	Naturally cooling
Power supply	12V DC By external AC/DC adapter)
Installation style	Support PC, wall mount or put inside of information box
Environment	0-45℃
Atmospheric pressure	70-106Kpa
MTBF	50,000hours
MTTR	30minutes

5. Description RH801GW equipment Interface

Port Type	Function
PON port	Connect PON port with internet by SC type, single mode optical fiber cable
LAN 1 port	RJ45Port connects to local internet, 1 GE port automatically
Reset button (RST)	Press down reset button and keep 1-5 seconds to make the device restart and recover from the factory default Settings.
PWR port (DC12 V)	Connect with power adapter
Power turn on/off	Power turn on/off

6. Network Mode

RH801GW is the FTTH mode terminal equipment which designed for indoor applications

