RLTECH

F2TH

Support 4 Ports GE POE+

Support Multiple VLAN

Support IPV6, PPPoE, DHCP and Static Configuration for WAN Interface

Support IP, MAC filtering, Firewall Functionality in routed mode

Support TR069,NAT, DMZ, DNS features

Support For XPON, adaptive EPON or GPON OLT on the Network

RH804G-GP
XPON 4 PORTS GE PoE+ ONT

1. Overview

1.1 Product Overview

RH804G-GP ONU is designed for fulfilling FTTH and triple play service demand of fixed network operators or system integrator. The ONT is based on the mature Gigabit GPON technology, Support POE+ function, meet the 802.11af standard. They are highly reliable and easy to maintain, with guaranteed QoS for different service. And It is fully compliant with technical regulations such as ITU-T G.984.x.

1.2. Network Mode

RH804G-GP is the FTTH mode terminal equipment which designed for

applications. Specific application refers to Picture 1-2

Cat 5/Cat 6 with Power

Interactive Display

Fiber

RH804G-GP PoE+ ONT

IP Phone

IP Camera

Wireless Access Point

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2. HARDWARE FEATURES

2.1 Interface of device

RH804G-GP equipment
interface as Picture

Port Type	Function
PON port	Connect PON port with internet by SC type, single mode optical fiber cable
Ethernet port	RJ45 Port connects to local internet, speed 10/100/1000Mbps
Reset button (Reset)	Press down reset button and keep 1-5 seconds to make the device restart and recover from the factory default Settings.
POWER	DC 54V/3.1A
Power turn on/off	Power turn on/off

2.2 Indicators of device

Indicators	Status	Description
POWER	Light on	ONU power supply normally
	Light off	ONU no power supply
PON	Light on	ONU link active
	Flash	ONU manage to link
	Light off	ONU receiving power rate lower than optical receiver sensitivity
Loss of Signal(LOS)	Blink	Device does not receive optical signals.
	off	Device has received optical signal.
LAN 1 - LAN 4	Light on	network port linked, but no data transmitting
	Flash	network port data pass
	Light off	ONU no power supply or internet cable unlink

3. TECHNICAL SPECIFICATIONS

3.1 Physical structure, Environment & Electrical parameter

Parameter	Nominal
Dimension	190mm*105mm*26mm
Net weight	1.5kg
Typical power consumption	<167.4W
Noise	None
Cooling style	Naturally cooling
Power supply	DC 54V/3.1A
Installation style	Support PC, wall mount or put inside of information box.
Environment	$0\sim55^{\circ}C$
Atmospheric pressure	70~106Kpa
MTBF	50,000hours
MTTR	30minutes

3.2 GPON Interface Specifications

Parameter	Nominal
Connector style	Default SC/PC (SC/APC is optional)
PON quantity	1
Fiber style	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	-8dBm------------28dBm
The length of the optical link	Max 20km