

RX8102WT 1GE+1FE+WIFI+CATV GEAPON ONU



1. Special Features

- Plug and play, integrated auto detecting, auto configuration, and auto firmware upgrade technology.
- Full compliance to IEEE 802.3ah specification & OAM function.
- Support 802.11n 2T2R speed up to 300Mbps.
- Support No-auth, WEP, WPA-PSK and WPA2-PSK function with AES, TKIP encryption.
- Support rich VLAN, DHCP Server and IGMP snooping multicast feature.
- Advantage traffic management
- Advanced Dynamic Bandwidth Allocation (DBA)
- The WAN port supports bridge / router mode.
- Advanced L2 features QinQ VLAN & QoS support.
- Support NAT, Firewall function.
- RF Video Output Bandwidth (MHz):45~1000, AGC Dynamic Range(dBm):-6~+2
- Support Console/ Telnet/ NMS management interface for ease of operation and maintenance.
- Support 2K MAC address table.
- Fully compatibility with OLT based on Broadcom/PMC/Cortina chipset.

2. Technical parameters

Technical items	Description
PON interface	1 EPON/GPON interface, SC single-mode/single-fiber, symmetric 1.25Gbps
Wavelength	EPON/GPON Tx 1310nm, EPON/GPON Rx 1490nm, CATV 1550nm
Optical interface	SC/APC connector
RX sensitivity	< -25dBm @ 1490nm
CATV interface	SC/APC connector
WLAN	Compliant with IEEE802.11b/g/n, 300Mbps, 2T2R One internal antenna and one external antenna
LAN interface	1x 10/100/1000Mbps + 1x 10/100Mbps auto adaptive Ethernet interfaces, Full Duplex / Half Duplex, AUTO-MDIX, RJ45 connectors
Indicators	11 indicators, for status of power supply, PON, LAN, POTS and CATV.
DC power supply	+12V, external AC-DC power adaptor
Power consumption	≤12W
Operating condition	Operating temp: -5~+55C Operating humidity:10~90%(non-condensed)
Storing condition	Storing temp: -30~+60 C Storing humidity:10~90%(non-condensed)
Net weight	0.45Kg

3. Data Service Functions

- Full speed non-blocking switching.
- 2K MAC address table.
- 64 full range VLAN ID.
- Support QinQ VLAN, 1:1 VLAN, VLAN reusing, VLAN trunk, etc.
- Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc.
- Support auto polarity detection of Ethernet ports (AUTO MDIX).
- Integrated IEEE802.1p QoS with four level priority queues.
- Support IPv4 IGMP snooping and IPv6 MLD snooping.
- Support bridge, router and bridge/router mixed mode.

4. WIFI Service Functions

- Integrated 802.11b/g/n, 300Mbps, 2T2R.
- Support 128 connections.
- Support WEP and WPA/WPA2 security protocols.

5. CATV Service Functions

- RF frequency: 45~875MHz.
- Turn on/off RF output remotely.
- RF level can be showed on PC Web real time.