

## **CX804RGW**

### **Overview**

CX804RGW terminal devices are designed for fulfilling FTTH and triple play service demand of fixed network operators or cable operators. These boxes are based on the mature Gigabit GPON technology, which have high ratio of performance to price, and the technology of 802.11n WiFi (2T2R), Layer 2/3. They are highly reliable and easy to maintain, with guaranteed QoS for different service. And they are fully compliant with technical regulations such as IEEE802.3ah and technical requirement of EPON Equipment from China Telecom.

### **Special Features**

- ▶ Dual mode(Can access EPON/GPON OLTs)
- ▶ Plug and play, features auto-detecting, auto-configuration, and auto firmware upgrade, etc.
- ▶ Integrated OAM remote configuration and maintenance function.
- ▶ Support rich QinQ VLAN functions and IGMP Snooping multicast features.
- ▶ Fully compatibility with OLT based on Broadcom/PMC/Cortina chipset.
- ▶ Support 802.11n WiFi(2T2R) function.
- ▶ Support NAT, Firewall function.
- ▶ Support IPv4 and IPv6 dual stack.
- ▶ The WAN port supports bridge, router and bridge/router mixed mode.



### **Technical parameters**

<b><u>Technical Items</u></b>	<b><u>Description</u></b>
	V2804RGW
Main chip	Realtek

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<b><u>Technical Items</u></b>	<b><u>Description</u></b>
PON interface	1 EPON interface, SC single-mode/single-fiber, symmetric 1.25Gbps
Wavelength	EPON Tx 1310nm, EPON Rx 1490nm
Optical interface	SC/UPC connectorr
WLAN	Compliant with IEEE802.11b/g/n, 300Mbps, 2T2R One internal antenna and one internal antenna
WLAN throughput	100Mbps @ 40users, 1518bytes, no-encryption 107Mbps @ 40users, 512bytes, encryption
LAN interface	4 10/100/1000Mbps auto adaptive Ethernet interfaces, RJ45
Indicators	9 indicators, for status of power supply, PON, LAN .
DC power supply	+12V, external AC-DC power adaptor
Power consumption	≤10W
Operating condition	Operating temp: -5~+55°C Operating humidity:10~90%(non-condensed)
Storing condition	Storing temp: -30~+60°C Storing humidity:10~90%(non-condensed)
Dimension	185mm*33mm*122mm (W*H*D)
Net weight	0.3Kg

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#### **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.

#### **WIFI Service Functions**

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

### **Application Chart**

