



## AC750GW 750Mbps Dual-band Business Wi-Fi Gigabit Router

### Highlights

- **802.11ac/a/b/g/n, 750Mbps Wireless Speed, dual band (2.4GHz and 5GHz)**
- **3 x 7dBi fixed antennas, 100 Meters Wireless Coverage**
- **Local&Remote User Authentication**
- **Business WiFi System: Facebook/SMS/WeChat Authentication**
- **Flexible bandwidth management to improve network performance**
- **IPSec/PPTP VPN**
- **Extremely friendly and straightforward Web UI**

### Overview

AC750GW Dual-band Business Wi-Fi Gigabit Router is a purpose-built solution designed for SOHO enterprises, offices, restaurants and coffee shops.

AC750GW adopts 580MHz CPU and equips 3 fixed 7dBi omni-antennas. It supports 802.11ac WiFi standard and is compatible with 802.11a/b/g/n. Moreover, it works on 2.4GHz band and 5 GHz band, minimizing interference among wireless networks. It supports MIMO technology, which enables its wireless transmission rate up to 750Mbps.

With a self-developed operating system, AC750GW supports CCA, extended for clear channel assessment, which can automatically adjust channels to avoid signal interference. It supports WDS to extend the coverage of wireless network. It supports smart QoS, which automatically allocates reasonable bandwidth for wireless stations, making sure users can download movies and play video games at the same time. It also supports files sharing by one USB port.

AC750GW also offers an interface with Business WiFi System, which can be configured online and offer a user-defined captive portal when WiFi users joining the WLANs.

### Features

#### Wireless Speed

The maximum wireless transmission

speed can be up to 750 Mbps.

Large-scale of wireless coverage and steady wireless data transmission will

meet user's high bandwidth demands for HDTV, streaming media, games, video chat, wireless monitoring and high-speed data transmission.

### Compatibility

Support IEEE 802.11ac, IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n. The multi-protocol compatibility promotes the capability for connecting to other wireless products.

### Wireless Mode

Offer multiple wireless operating modes: AP, Wireless Repeater, Bridge and AP Client, which can meet the demands of different network to expand the wireless network to a certain extent.

### Business WiFi System

Offers an interface with Business WiFi System. Business WiFi System can be configured online and offers user-defined landing page for WLANs. Facebook, SMS, WeChat Authentication are available to configure. It also offers statistics to monitor WiFi user's behaviors.

### Wireless Security

Offer multiple wireless securities: WEP, WPA-Enterprise, WPA2-Enterprise, WPA-PSK and WPA2-PSK. Wireless MAC address filtering provides customers with comprehensive protection for wireless transmission to keep your network far away from intrusions and attacks.

### Flexible Bandwidth

This very unique function named Flexible

Bandwidth will largely optimize the bandwidth utilization. And it only needs 2 steps: enable this function and set the bandwidth for each Internet connection. Flexible Bandwidth will guarantee the webpage browse and essential network applications.

1. Adjust the bandwidth for users and applications flexibly, improve the real-time network performance, and recognize different application accurately.
2. Supports priority queues to ensure smooth transmission of applications which require large bandwidth.
3. Improved network performance will solve network congestion and unreasonable bandwidth allocation.

Reasonable network traffic distribution, optimized bandwidth utilization, stable, fast, safe and efficient network environment

### Internet Access Control

Provide personalized Internet access control, which can meet all the needs of users. Each host can take a different access policy, including blocking IM software (Yahoo messenger, MSN etc.), blocking P2P software (Bit commit, Bit torrent, etc.), blocking online games (WOW.), blocking Face book and Twitter, blocking online videos (YouTube) and other abundant functions.

Support Domain name Filtering. Users can either block websites or only allow websites. Domain name filtering will make the network management easy and convenient.

Support IP/MAC address binding, invalid IP address or MAC address filtering and

easy blacklist and Whitelist setting. It supports binding all the dynamic IP/MAC entries with only one-click operation.

### VPN

Support various VPN functions such as IPSec and PPTP, which can be used alone or combined; Support dynamic IP address VPN connections; Support Site-to-site VPN, remote access VPN (client-to-site and mobile user); PPT/IPSec VPN can be set up to 8 tunnels.

### Configuration and Management

Offer user-friendly Web interface which delivers an easy-to-use platform with rich functions. It supports easy management, which will guide users to finish the initial configuration one step by one step automatically. Even users without network knowledge can get connected to Internet easily.

Offer System Status, Wireless Host List and Flow Statistics, which deliver a convenient platform to trap and remove network faults.

## Key Features

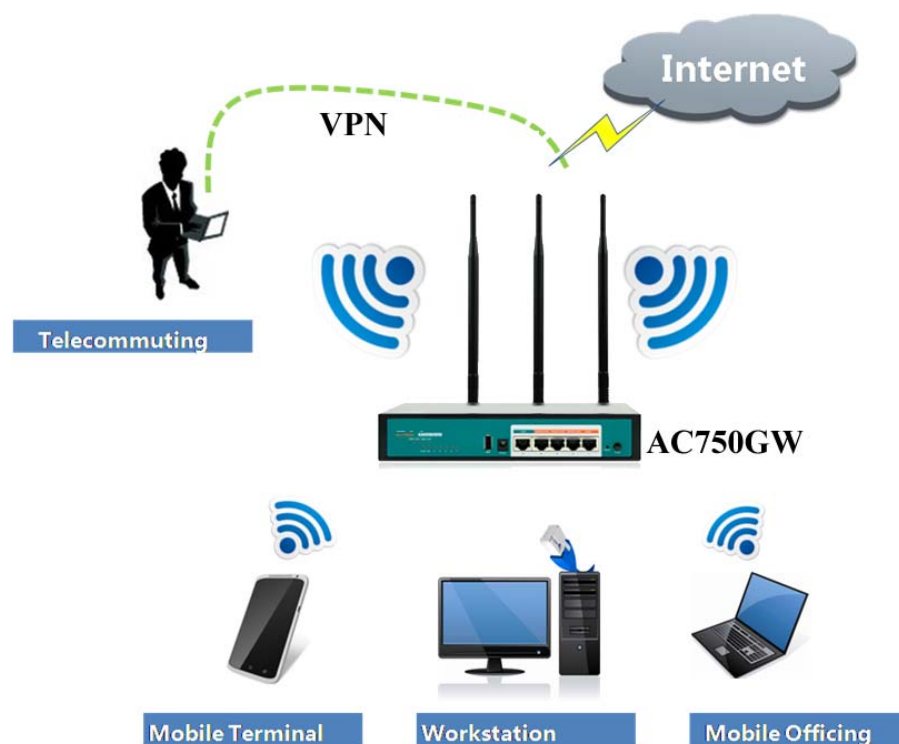
◆ Support static IP, DHCP and PPPoE connection
◆ Support DSL, FTTX+LAN and Cable Modem Internet access
◆ 3 10M/100M/1000M LAN ports, 2 10M/100M/1000M WAN ports
◆ 1 USB 2.0 port, 1 TF port to share files
◆ Three 7 dBi Antennas support MIMO
◆ Support IEEE 802.11ac, IEEE 802.11a, IEEE 802.11b, IEEE 802.11g and IEEE 802.11n wireless speed up to 750Mbps
◆ Work on 2.4GHz band and 5GHz band
◆ Support multiple wireless operating modes: Access Point, Wireless Repeater, Bridge and AP Client
◆ Support channel 1-11, 149,153, 157, 161,165
◆ WEP, WPA-Enterprise, WPA2-Enterprise, WPA-PSK and WPA2-PSK
◆ Support SSID Broadcast Control and hiding
◆ Support WMM (Wi-Fi Multimedia, Wireless Multimedia) function
◆ Wireless MAC address filter, Whitelist, blacklist, one-click filtering of wireless address
◆ Support NAT, NAPT, DMZ
◆ Support DDNS(No-IP, DYNDNS)
◆ Support UPnP
◆ Support DHCP Server, DHCP Client and DHCP static binding
◆ Support PPPoE Server
◆ Support PPPoE Account Billing
◆ Support Web Authentication(Local and Remote)
◆ Support Authentication URL whitelist
◆ Support Business Wi-Fi System

◆ Support Web Authentication
◆ Support IP/MAC binding
◆ Support fixed rate limiting
◆ Support flexible bandwidth control, speeding up common online games
◆ Support built-in firewall, defense against ARP spoofing, Port scanning, DDoS/DoS attack
◆ Support packet filtering based on IP address, protocol, port
◆ Support filtering on URL, key words and DNS on application layer
◆ Support limitation on maximum NAT sessions
◆ Support Notification
◆ Support Internet Application Audit
◆ Support Internet access control, security management and network maintenance
◆ Support static routing
◆ Support VPN pass-through
◆ Support IPSec/PPTP VPN
◆ Web user interface and Quick Wizard
◆ System update through HTTP
◆ Configuration file backup and restore
◆ Display of wireless host status and system status
◆ Support SNMP

Specification		Description
Port	LAN	3 RJ45 ports(Auto-Negotiation, auto MDI/MDIX)
	WAN	2 RJ45(Auto-Negotiation, auto MDI/MDIX)
	USB 2.0	1
	TF	1
Antennas		3*7dBi
Button		Reset, Turbo
LED		Power light: PWR Wireless light: WLAN Link/Act: WAN/LAN
Dimensions (H x W x D)		192mm*130mm*26mm
Weight		0.65 kg
Temperature		0~40 Degree Celsius
Altitude		0 ~ 4000 m
Relative Humidity		10~90%, non-condensing
Power Input		24W
Voltage		DC 12V, 2A
Protocols and Standards		IP, TCP, ARP, UDP, ICMP, NAT, DHCP, SNMP, TELNET, HTTP, PPP, SNMP, PPPoE, PAP, CHAP,

Physical Specifications	Each port supports Auto-Negotiation, auto MDI/MDIX and provides status LEDs.
Routing Protocols	Static routing
User Interface	Web GUI

## Network Topology



# Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## **IMPORTANT NOTE:**

### **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance **20cm** between the radiator & your body.