

Gigabit Wireless Mobile Gateway For Small Business

WBG210 series

- All-in-one Wireless Gateway
- 1GE WAN and 4xGE LAN
- 3G (WDCMA, CDMA20000)
- 4G (TDD-LTE) Interface
- High gain WiFi module
- WiFi a/b/g/n
- Highly adaptable to mobile environments
- Simple setup and configuration
- Highly secure guest access
- CLI, Web GUI, SSH, SNMP management



WBG210 Series is a highly reliable, high performance wireless mobile gateway designed for growing small businesses, franchises and a variety of mobile applications including mobile vehicles such as urban buses, tour buses, and intercity buses.

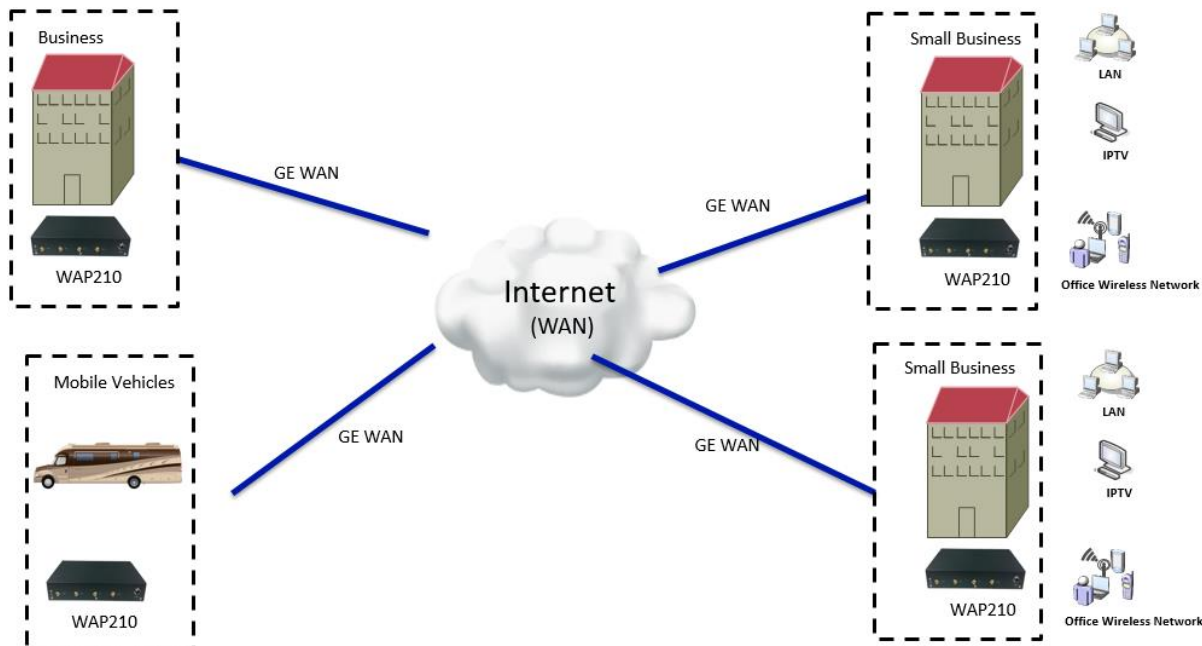
With its high-end chip and whole-series 3G and 4G-LTE interfaces, WBG210 series can perfectly connect with cloud platforms and perform functions including user authentication, content pushing, and data transfer. It is equipped with a high-performance and high-gain WiFi module which allows a large amount of users to simultaneously access the network. The takeaway local content system not only alleviates the pressure of uplink broadband but also enhances mobile user's app experiences.

WBG210 series offers robust wireless connection capabilities, and seamless cooperate with ACT routing and switching products. Combined with ACT wireless AP package, the WBG can provide perfect end-to-end WISP solution in offering advanced Voice, and Data services.

Key Features

- Supports LAN, WDCMA, CDMA2000, TDD-LTE, FDD-LTE, etc.
- Supports static IP, PPPoE dialing, dynamic DHCP, and MAC cloning
- Supports DHCP service, DNS/DDNS and VPN penetrating
- Supports IP filtration, MAC filtration, URL filtration, and keyword filtration
- Supports ACL, firewall, IP+ MAC address binding, blacklist, and whitelist
- Supports 802.11a/b/g/n
- Wireless speeds up to 600 Mbps
- Compatible with mainstream terminals
- Supports 2 WiFi frequencies: 2.4G and 5.8G
- Supports gateway mode, AP mode, WDS, and AP+WDS networking mode
- Supports WPA/WPA2, WEP, and 802.1x authentication
- Supports cloud platform connection by WiFidog
- Supports portal authentication and pushing
- Supports host monitoring/log service
- Supports CLI, WebGUI, SSH and SNMP

System Diagram



Specifications

Model	WBG210 -WCDMA	WBG210 -CDMA2000	WBG210-LTE
WAN	1 × GE Tx port	1 × GE Tx port	1 × GE Tx port
LAN	4 × GE Tx Ports	4 × GE Tx Ports	4 × GE Tx Ports
USB	1 × USB	1 × USB	1 × USB
Memory	Optional SD card/SATA hard disk	Optional SD card/SATA hard disk	Optional SD card/SATA hard disk
3G/4G	WCDMA	CDMA2000	TDD/FDD-LTE
WiFi	2.4 GHz + 5.8 GHz	2.4 GHz + 5.8 GHz	2.4 GHz + 5.8 GHz
WiFi Mode	a/b/g/n	a/b/g/n	a/b/g/n
WiFi Broadband	600 Mbps	600 Mbps	600 Mbps
External WiFi	1 × 3G antenna 4 × WiFi antennas	1 × 3G antenna 4 × WiFi antennas	1 × LTE antenna 4 × WiFi antennas
Power Supply	Mobile dedicated 24V DC		
Power	≤ 18W		
Consumption			
Dimensions (W×D×H)	250 × 160 × 44 mm		
Environment	Temperature: 0 ~ 60°C Humidity: 10 ~ 90% (non-condensing)		

Ordering Information

Item	Description
WBG210-WCDMA	ASCENT WBG210-WCDMA Intelligent Wireless Mobile Gateway (1 × GE-WAN, 4 × GE-LAN, 1 × USB, built-in Unicom 3G Module and 802.11a/b/g/n WiFi, supports 600M WiFi, supports dedicated mobile power supply, optional SD or SATA disk)
WBG210-CDMA2000	ASCENT WBG210-CDMA2000 Intelligent Wireless Mobile Gateway (1 × GE-WAN, 4 × GE-LAN, 1 × USB, built-in Telecom 3G Module and 802.11a/b/g/n WiFi, supports 600M WiFi, supports dedicated mobile power supply, optional SD or SATA disk)
WBG210-LTE	ASCENT WBG210-LTE Intelligent Wireless Mobile Gateway (1 × GE-WAN, 4 × GE-LAN, 1 × USB, built-in TDD/FDD LTE universal 4G Module and 802.11a/b/g/n WiFi, supports 600M WiFi, supports dedicated mobile power supply, optional SD or SATA disk)

Contact Information

Ascent Communication Technology Ltd

AUSTRALIA

140 William Street, Melbourne
Victoria 3000, AUSTRALIA
Phone: +61-3-8691 2902

HONG KONG SAR

Unit 9, 12th Floor, Wing Tuck Commercial Centre
177 Wing Lok Street, Sheung Wan, HONG KONG
Phone: +852-2851 4722

CHINA

Unit 1933, 600 Luban Road
200023, Shanghai CHINA
Phone: +86-21-60232616

USA

2710 Thomes Ave, Cheyenne
WY 82001, USA
Phone: +1-203 816 5188

EUROPE

Pfarrer-Bensheimer-Strasse 7a
55129 Mainz, GERMANY
Phone: +49 (0) 6136 926 3246

VIETNAM

15 /F TTC Building, Duy Tan Street, Cau Giay
Hanoi, VIETNAM
Phone: +84 243 795 5917

WEB: www.ascentcomtec.com

EMAIL: sales@ascentcomtec.com

Specifications and product availability are subject to change without notice.
Copyright © 2015 Ascent Communication Technology Limited. All rights reserved.
Ver. ACT_WBG210_DataSheet_V1a_May_2015