

# VG007 Pocket VoIP



## Product Overview

VG007 integrates the functions of VoIP adapter, Wireless AP, Wireless client and Broadband router into one fashionable and compact device. This versatile device can be used to meet the needs of the user and the requirements of the working environment.

When no AP is present, the VG007 can function as an AP, allowing users to have wireless access. Should a user wish to use existing AP, the VG007 can also easily act as an AP client.

In addition, this versatile device works as a router giving users extra functions like broadband sharing, QoS and additional security.

The VG007 still has more to offer with a variety of options to make VoIP calls. Connect an analog phone to a RJ-11 port and the VG007 becomes a personal gateway. For other options, use a Wi-Fi phone in AP mode or an IP phone directly connected a RJ-45 port to make VoIP calls.

## Key Features and Benefits

### 4-in-One Device

VG007 integrates the function of VoIP adapter, Wireless AP, Wireless client and Broadband router into one fashionable device. High-speed broadband internet connection and high quality telephone service for wired and wireless users everywhere. VG007 is the smallest device in the world that provides such rich features. VoIP users have the option to connect an analog phone into the FXS interface for low cost telephone calls. For wireless, users can choose either mode based on their desires and requirements. Or, as a broadband router, users are able to share their broadband connections.

### High Portability

VG007 package contains a traveler pack, which allows users to carry VG007 and all its accessories, including cables and power adapter into one simple package. The specially designed power adapter provides swappable plug for user to choose from US or EU standard.

### Life Line

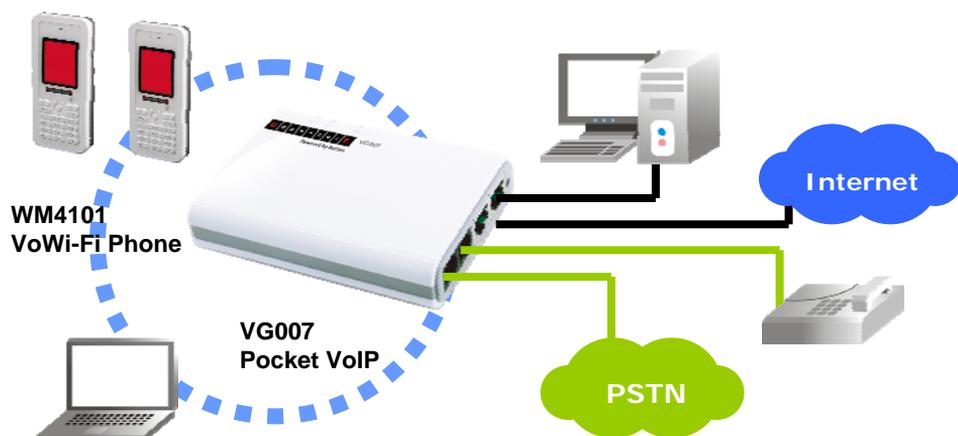
With a built-in FXO port, users can easily converge PSTN with a VoIP network. Furthermore, in the case of power outage, PSTN connection is still available through the life line function.

### User Friendly Configuration

There is no complicated setting required, just simply plug-and-play. When users change working environments or VG007 applications, they can alter configurations in the user friendly web interface.

### Enhanced Security

Advanced WEP and WPA2 encryptions secure privacy while using a public hotspot network. Plus wireless SSID broadcast on/off feature acts as an added safeguard. Moreover, Stateful Packet Inspection (SPI) firewall and Network Address Translation (NAT) furthers the defense against malicious Internet hackers.



## Features

### Physical Ports

1 x WAN port with auto-sensing 10Base-T/100Base-TX  
 1 x LAN port with auto-sensing 10Base-T/100Base-TX  
 1 x FXS port  
 1 x FXO port  
 WLAN: IEEE 802.11 b/g compliant  
 LEDs: PWR/DIAG, Wi-Fi, Internet  
 1 x Reset Button

### Performance

Line Speed for LAN and WAN port  
 RF output power  
 ■ 802.11b: 18dBm  
 ■ 802.11g: 14dBm  
 RF data rate (automatic fall back)  
 ■ 802.11b: 1/2/5.5/11Mbps  
 ■ 802.11g: 6/9/12/18/24/36/48/54 Mbps

### Gateway Features

NAT/NAPT: Hardware NAT offers 100Mbps system performance  
 DHCP/DHCP Client/Server  
 Maximum LAN Users: 32  
 PPPoE  
 ■ Dynamic/Static IP address  
 ■ Dial On Demand/Maximum Idle Time  
 Host name/Domain name  
 ■ Service name in PPPoE setting  
 ■ Domain name in LAN setting  
 DNS  
 ■ Dynamic DNS  
 ■ DNS Relay  
 Routing: 10 Static routes  
 Syslog  
 ■ Display access log  
 ■ Save log to PC via Web  
 Virtual DMZ/Virtual Server  
 VPN passthrough Supported: L2TP, PPTP and IPSec  
 UPnP: UPnP/IGD  
 SNTP  
 QoS  
 ■ 2 priority queues  
 ■ QoS support DSCP  
 IEEE802.1X (WLAN): Authenticator  
 EAP: TLS  
 RADIUS: Client  
 Diagnostics Capabilities: Self-test for hardware components

### Power Supply

Input AC: 100-240V 0.3A, 50-60Hz  
 Output DC: 5V/1A Max

### Emissions/Safety

Safety: UL/cUL (UL60950), CB EN60950  
 EMC: FCC Part 15B Class B, FCC Part 15C, FCC Part 68, CE EN55022 Class B  
 EMS: CE EN55024, CE EN300328, CE EN301489

### Management

Web-based management  
 Firmware upgrade via web

### VoIP Features

Voice Signaling Protocol: SIP v2  
 Voice Codec: G.711 a-law/u-law, G.726, G.729A/B  
 Voice Quality  
 ■ VAD (Voice Activity Detection)  
 ■ CNG (Comfortable Noise Generation)  
 ■ Echo Cancellation (G.165/G.168 echo canceller)  
 ■ Adaptive Jitter Buffer  
 ■ DTMF tone detection and generation,  
 ■ Call Progress Generation  
 ■ Custom Tone Generation  
 Call Features  
 ■ Call Transfer  
 ■ Call Waiting/Hold/Retrieve  
 ■ 3-way Conference Call  
 ■ Call ID Number & Name  
 ■ Call-ID Block  
 ■ T.38 Fax Relay  
 ■ Dial Plan (E.164 Dialing Plan)  
 ■ Do not Disturb Setting  
 ■ Speed Dial  
 ■ Call Return  
 ■ Call Forwarding: No Answer/Busy/All  
 ■ Distinctive Ringing

### Wireless Features

Wireless: IEEE 802.11b/g  
 3 modes  
 ■ Gateway mode (default)  
 ■ AP Mode  
 ■ Client mode  
 QoS: 802.11e(WMM)

### Security

Gateway  
 ■ Stateful Packet Inspection (SPI) firewall  
 ■ DoS attack prevention  
 ■ IP filtering  
 ■ Port filtering  
 ■ MAC filtering  
 Wireless  
 ■ IEEE 802.11i (WPA2)  
 ■ WPA (TKIP)  
 ■ WEP  
 ■ 64/128-bit Encryption  
 ■ Passphrase  
 ■ Manual Key – Hex  
 ■ Manual Key – ASCII  
 ■ SSID (Service Set Identifier)  
 ■ SSID Broadcast Disable  
 ■ Restrict Access by MAC

### Dimensions

(HxWxD): 24.7 mm x 107.5 mm x 78.67 mm

### Environment

Temperature: IEC 68-2-14  
 ■ -10°C to 50°C (Standard Operating)  
 ■ -40°C to 70°C (Non-operation)  
 Humidity: 5% to 95% (Non-condensing)  
 Vibration: IEC 68-2-36, IEC 68-2-6  
 Shock: IEC 68-2-29  
 Drop: IEC 68-2-32

## Ordering Information

### Contents of the Package

VG007 Pocket VoIP  
 AC Adaptor  
 Management guide (CD)  
 Installation guide (Hard Copy)  
 Universal Adapter Pack (USA and Europe plug)  
 Cable Kit (RJ-11 cable, RJ-45 cable)  
 Traveler Case

### Ordering Information

Model Number.: VG007  
 Part Number.: FCG382211001E



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