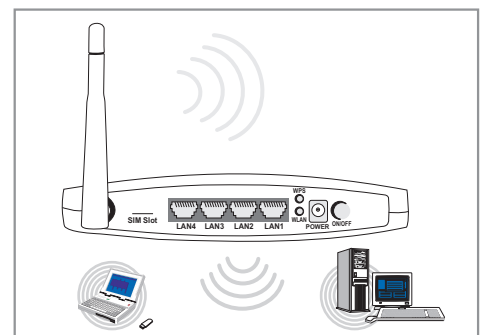# 3G Wi-Fi Router 83GR

GSM

Wi-Fi

LAN

Overview

Visiontek 3G Wi-Fi Router 83GR meets mobile users' need for setting up a wireless network for sharing Internet Connection. By installing any (U) SIM card activated with 3G services, it quickly enables user to create a secure wireless network on IEEE 802.11 b/g/n and provides access to Internet. With convenience and flexibility, the internet connection can be shared virtually anywhere with in wireless network.

Visiontek 83GR is simple to use and can be easily setup. It can automatically detects the SIM card and support auto dial out to establish network connection. It can easily connect to high speed wireless data networks, with no additional requirements for software and. Several Laptops, Computers, PDAs and Wi-Fi phones can simultaneously share a single wireless broadband connection. The Router has built-in four 10/100 LAN ports for supporting LAN connectivity and supports Windows ME, 98SE, 2000, XP, Vista and Linux operating systems.

Application Areas

- Small Offices & Home Offices
- Commercial Places
- Convention Venues
- Camp Sites
- Construction Sites

- Restaurants / Hotels
- Exhibitions & Events
- Rescue Camps
- Trains / Buses - On-the-go

Application Diagram

Advantages

- **Network Security:** Visiontek 83GR provides a secure Wi-Fi network by supporting latest wireless security features to avoid unauthorized access. Supports WEP, WPA, WPA-PSK and WPA2-PSK to ensure a secured wireless network and utilizes dual active firewalls (SPI and NAT) to prevent potential attacks from across the Internet.

- **Easy To Install:** Visiontek 83GR automatically detects the installed 3G services activated (U) SIM card. Compatible with IEEE 802.11b/g/n devices, the router has provision for directly connecting Ethernet based devices to its built-in 4 port full duplex 10/100 fast switch. It provides users with a secure, high-speed connection to the Internet virtually anywhere within a wireless network.

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for other products

Features

- Supports 850/900/1800/1900 MHz for GSM/GPRS/EDGE and 2100 MHz for 3G/HSPA
- 3GPP TS 27.005/3GPP TS 27.007 Supported
- Support standard six pin SIM card interface, compliant with 3GPP 31.101 & 31.102
- Supports Auto APN Function
- User friendly UI web page for configuration and monitoring
- Support auto-dial up. Make internet access more convenient
- NAT, DHCP functions to configure the network
- Firewall function for safe network
- Supports WPA, WPA-PSK, WPA2 and WPA2-PSK security modes
- MAC, URL filter function for customizing internet security policy under personal requirement
- Supports Wi-Fi speeds up to 150 Mbps
- Supports multiple users (Both LAN and Wi-Fi) simultaneously
- Automatic receipt of IP address with DHCP server
- Remote Management
- Auto, Manual & On Demand Dialing
- Display status and statistics of Internet Connection
- Easy to install and operate

Specifications

Frequency	3G/HSPA.	2100 MHz.
	GSM/GPRS/EDGE.	850/900/1800/1900 MHz
SIM Interface	Standard six pin SIM card interface, compliant with 3GPP 31.101 & 31.102.	
Device Interfaces	SIM Card Interface, 4 Port Fast Ethernet Switch and DC socket for power.	
Wireless Standards	802.11b/g/n	
	Wireless speed : up to 150 Mbps	
	Frequency range : 2.4 GHz to 2.484GHz	
	64/128 bits WEP data encryption	
	WPA (Wi-Fi Protected Access), WPA2, WPA-PSK/WPS2-PSK security	
Router & Network Protocols	NAT, Static Routing	
	Port forwarding & DMZ	
Firewall/Access Security	Built-in NAT firewall	
	SPI Firewall,	
	MAC/IP/PORT Packet Filter	
	URL Filter	
Configuration/Management	Web-based GUI for remote/local management	
	Firmware upgrade, configuration data upload/download via Web-based GUI	
	Web-based GUI	
	DHCP server/client/relay	
Antenna	Wi-Fi External Antenna, GSM Internal Antenna	
Operating System	Windows ME, 98SE, 2000, XP, Vista and Linux	
Color	White	
Dimensions	196 (L) x 142 (W) x 30 (H) mm.	
Weight	342 Grams (Without Antenna)	
Environment Requirements	Operating Temperature : -10˚C ~ 50˚C.	
	Storage Temperature : -10˚C ~ 80˚C.	
	Operating Humidity : 20% ~ 95% (Non- Condensing)	
Electrical Specifications	Power Adaptor : 12V, 1.25 Amps.	
	Maximum Power Consumption : < 20W.	
	LED Indication : Power, 3G, PPP, LAN x 4, Wi-Fi & WPS	

Note: We pursue a policy of continuous research and product development. Specifications and features are subject to change without notice   *Indicates optional feature

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