

# Vololink

## VoloFone™ VF100

The VoloFone™ VF100 is the equivalent of an Internet connection and a phone line combined. Telephone handsets and computer equipment can be connected to the VF100 in the normal way via a standard connectors.

The VoloFone™ VF100 Wireless Broadband Terminal is a wireless voice and high speed data access point for use over HSDPA capable UMTS networks. The VF100 provides both voice and advanced wireless services, such as wireless broadband internet services in areas where conventional telephone lines either do not exist or are too far from the nearest xDSL enabled exchange.

Using the VF100, service providers can also offer a convenient and cost effective alternative to wireline connections for voice and high speed data services, when mobility is important to end users. Standard telephone, SMS and internet connections are all simultaneously available to the user.

The VF100 enables simultaneous HSDPA data access for multiple users via the Ethernet port at the rear of the terminal.



### Applications

- Wireless telephone and broadband internet services – a convenient and cost effective alternative to satellite and wireline services.
- A wireless broadband access point for a mobile office, building site, marine communications, motorhomes, holiday houses, small or home office and domestic use.

### Features

- Easy Plug-and-Play setup
- Simultaneous voice and data services
- Wireless broadband Internet access using HSDPA capable UMTS networks
- Telephone connection via RJ11 port – supports up to five standard analogue handsets
- SMS service
- Automatic fall back to EDGE/GPRS/GSM, if a 3G network is not available
- Web based local administration
- Optional emergency rechargeable battery and antenna's

## Technical Specification

- Voice service: Configurable POTS
- Max Downlink Data Rate: 7.2Mbps
- Max Uplink Data Rate: 384Kbps

## Air Interfaces

- WCDMA (850/1900/2100)
- Power class 3 (+23dBm)
- GSM/GPRS/EDGE (850/900/1800/1900)
- EDGE – Power Class E2
- PCS/DCS Power Class 1
- GSM – GMSK Power Class 4

## Internet Protocols

- DHCP server
- PPP client
- NAT
- NAT port forwarding
- NAT ALGs
- DNS proxy server
- SNTP client

## Connectors

- RJ11 port for telephone
- RJ45 Ethernet port
- Antenna connector (SMA 50 ohm)
- Connector for external USIM
- DC power supply
- USB 2.0 port for peripheral equipment
- RS232 serial port

## Emergency Rechargeable Battery (optional)

- Stand by time: 3 hours
- Talk time: 1 hour
- Charging time: 4 hours



## Security

- Firewall
- VPN tunnelling
- VPN pass-through

## LED Indicators

- Power, Mobile network status, Signal strength, Message, LAN, Phone

## AC-to-DC Power Supply

- Input: 100 - 240V/50 - 60Hz AC
- Output: +9V 2A DC
- Plug options: Australia, Europe, UK, USA

## Emergency Rechargeable Battery (optional)

- Stand by time: 3 hours
- Talk time: 1 hour
- Charging time: 4 hours

## Environmental

- Operating temperature: 0° to +45°C  
Optional extended temperature range: -20° to +45°C
- Storage temperature: -40° to +85°C
- Operation humidity: 5% to 95%

## Antenna

- Omni-directional, 50 ohm, 2.5 dBi gain
- Optional higher gain directional antennas and extension cables available

