



VoLoAccess™

A *real* alternative to fixed lines
42Mbps DC-HSPA+ (Dual Carrier)
Convergent Wireless Terminal

- Flexible design – Voice and Data or Data only
- High Speed: Uplink 5.76Mbps, Downlink up to 42Mbps
- High Speed WiFi
- Internal ATA functionality - VoIP and FoIP**
- Future proof: LTE ready
- Redundant Internet access
- Robust security and firewall functionality
- Intelligent design: Desktop or wall-mount



the future is wireless



VoloAccess™

The VoloAccess is a Convergent Wireless Terminal for use over HSPA/HSPA+ capable UMTS networks.

The VoloAccess provides both voice and wireless broadband Internet services in areas where conventional telephone lines either do not exist or are too far from the nearest xDSL enabled exchange.

The VoloAccess is easy to use, just plug and play.

Broadband Internet access via four Ethernet ports or high speed WiFi.

Support for analog phones via RJ11 ports*.

The VoloAccess provides Least Cost Routing between enterprise fixed line PBXs and 3G wireless networks (line reversal)*.

Internal ATA functionality - VoIP and FoIP*#.

Automatic fall back to HSUPA/HSDPA/EDGE/GPRS/GSM, if a HSPA+ network is not available.

Supports locking the terminal to the 3G network (network lock)#.

Supports locking the SIM to the terminal (SIM PIN lock)#.

Automatic updates of the latest firmware via 'Over The Air' download feature#.

Built-in internet redundancy (WAN failover) via WAN port.

WAN failover via externally connected 3G USB modem#.

Flexible design - Voice and Data or Data only.

Optional rechargeable Li-ion battery pack for continuous operation during power failures.



VoloAccess Series	VA121V	VA122V	VA125	VA126
Max Downlink data rate	7.2Mbps	7.2Mbps	21Mbps	42Mbps
Max Uplink data rate	5.76Mbps	5.76Mbps	5.76Mbps	5.76Mbps
850/1900/2100MHz	✓			
900/2100MHz		✓		
850/900/1900/2100MHz			✓	✓
Two voice ports	✓	✓		

Technical Specification

Wireless Network

- Air Interface: WCDMA
- GSM/GPRS/EDGE frequencies: 850/900/1800/1900MHz

WLAN

- 802.11b/g/n WiFi access point
- 2.4-2.4835GHz (ISM Band)
- 2 x 2 MIMO
- WiFi Protected Setup

Internet Protocols

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

Security

- Firewall
- VPN tunnelling
- VPN pass-through
- WLAN - 64/128-bit WEP, WPA and WPA2

Voice

- Analog telephony*

ATA Functionality*#

Voice

- SIP signalling
- G711A/u
- G.729AB
- iLBC

Fax

- T.38 Fax over IP
- G.711 Fax Pass-through

Indicators

- Power, Mobile Network Status, Received Signal Strength, 4 x LAN, WAN, WLAN, Phone 1*, Phone 2*, WPS

Connectors

- Four RJ45 Ethernet ports
- Two antenna connectors (SMA 50 ohm)
- Connector for external USIM
- DC power supply
- Two RJ11 connectors*
- RJ45 WAN port
- USB host port

Antenna

- Dual external omni-directional, 50 ohm (3G)
- Dual internal omni-directional, 50 ohm (WLAN)
- Optional higher gain directional 3G antennas and extension cables available

Environment

- Operating temperature: 0° to +45°C
- Storage temperature: -20° to +70°C
- Operating humidity: 5% to 95%

AC-to-DC Power Supply

- Input: 100 – 240V/50 – 60Hz AC
- Output: +12V 2A DC
- Plug options: Australia, Europe, UK, USA
- Rechargeable Li-ion battery pack (optional)

Dimensions

- 178 x 118 x 33 mm (excluding stand and antennas)

* Voice enabled models only (VA12xV)

Optional, only available to service providers