

Airello™ Q-2GSM-WiFi-VoIP

Dual GSM + WiFi-VoIP + Bluetooth

*Designed specially for use
with RoamSIM Service for
achieving the optimum savings
in all situations*



Outstanding Features

- It provides complete facility for mobile voice and data communication.
- It can be equipped with 2 SIMs of 2 different GSM operators.
 - Ideally one of the 2 GSM SIMs is a RoamSIM that enables you to make roaming calls without paying the hefty relative roaming charge and the other GSM SIM is a SIM obtained from the local (home country) GSM service provider; for details go to www.roamsim.com
- When in a hotspot or a hotzone you can make use of Airello's WiFi-VoIP feature to make international calls at low costs using available VoIP service.
 - Airello comes pre-configured ready for use with any Hotspoteer location worldwide; for details go to www.hotspoteer.com
- It can also be supplied with pre-configuration for use with other WiFi service networks.
- Its built-in Bluetooth wireless modem supports PDA and Notebook PC.
- It has a USB interface for interconnection with PC for softphone application and high speed data transfer.
- It is compatible with SIP Proxy Server-based IP-PBX for use as a mobile extension in VoIP telecommunication.



GSM Characteristics

- Quad-band GSM 850, GSM 900, DCS 1800, PCS 1900, EGSM
- Output power: 2W @ GSM 850/GSM 900/EGSM 900; 1W @ DCS 1800/PCS 1900
- GPRS: Mobile Station Class B, Multi-slot Class 12
- GSM voice: HR/FR/EFR/AMR
- CSD up to 14.4 kpbs, SMS MT/MO/CB, G3 Fax Class 2.0
- SIM Application Tool Kit Class 1/2/3
- 2 SIM slots supported
- SMS, EMS, messaging

WiFi Characteristics

- IEEE 802.11b
- Frequency range: 2.4-2.497 GHz
- Wireless output power: Max. 25mW
- Operating range: Outdoor up to 300 m, Indoor up to 75 m
- Support infrastructure (public) mode and Ad-hoc mode (option)
- QoS support TOS/DiffServ

Bluetooth Characteristics

- Bluetooth V1.1, Class II Compliant
- Frequency range: 2.402 to 2.480 MHz
- Power modes: Park, Sniff, Hold and Deep Sleep
- Net capabilities: Pico-net and Scatter-net support
- Profiles: SPP, DUN, HSP

VoIP Features

- Codec supported: G.711a, G.711u, G.723.1, G726, G.729ab
- Adaptive jitter buffer and echo cancellation
- G.168 echo cancellation
- Silence suppression
- Voice Activity Detection (VAD)
- Comfort Noise Generation (CNG)
- DTMF detection and relay

Network and Protocols

- SNMP manager
- DHCP or static configuration option
- Alternate TFTP support
- SIP (RFC3261) version 2
- SDP (RFC2327)
- RTP (RFC1889)
- RTCP (RFC1890)
- Support outbound proxy for NAT traversal
- Site survey, trace route (hidden feature), seamless-secure roaming and VLAN support

Security

- IEEE 802.1X authentication: Optional password prompt at power up
- 40 and 128 bit static Wired Equivalent Privacy (WEP)
- Optional phone lock password

Power

- Replaceable and rechargeable 1300 mAH Li-ion battery
- Talk time: 4 hours talk time, 72 hours standby
- AC adapter: 100-240 V, 50-60 Hz, 5V 650mA DC output

Calling Features

- Caller ID display
- Call waiting
- Call forward
- Call transfer
- Pre-dialing before sending
- Call mute
- Redial
- Call hold/resume
- Call park
- Call divert between 2 SIMs
- Conference call

User Interface

- Colour STN display 96RGB x 64 pixels with LED back light
- Four multi-function soft keys provide easy user operation dynamically
- Keys: Power, volume, menu selection, send/end, 12-key dial pad
- Selection of menu, user profiles, languages and ring types by soft keys
- Hotkey for keypad lock
- Hotkey for voice email access and call logs
- Ten configurable speed dial
- Idle/call state-based soft keys
- Local phone book
- Time/date display
- Keypad lock/vibration icon indicators
- RF level and battery gas gauge indication
- Polyphonic ringer, vibrator and visual display alert
- Pocket PC 2002/2003; Windows based WIM management and network configuration utility

Physical Specifications

- Dimensions (H x W x D): 100 mm x 60 mm x 22 mm
- Weight (with standard battery): 128 g
- Built-in speaker/MIC
- USB 2.0 slave
- Jacks for headset and DC charging
- Certification: FCC, CE, BQB
- Accessories: AC adapter, desktop charger, Li-ion battery, wired headset, pouch, utility CD, user manual, quick start guide

Environmental

- Operational temperature: 0 to 45 C (32 to 113 F)
- Storage temperature: -30 to 60 C (-22 to 140 F)
- Relative humidity: 10 to 95% (non-condensing)
- Thermal shock: -30 C 24 hours, 70 C 24 hours