

iFon™

The client for rich fixed-mobile convergence

Turn your PocketPC PDA into an IP phone and see others!

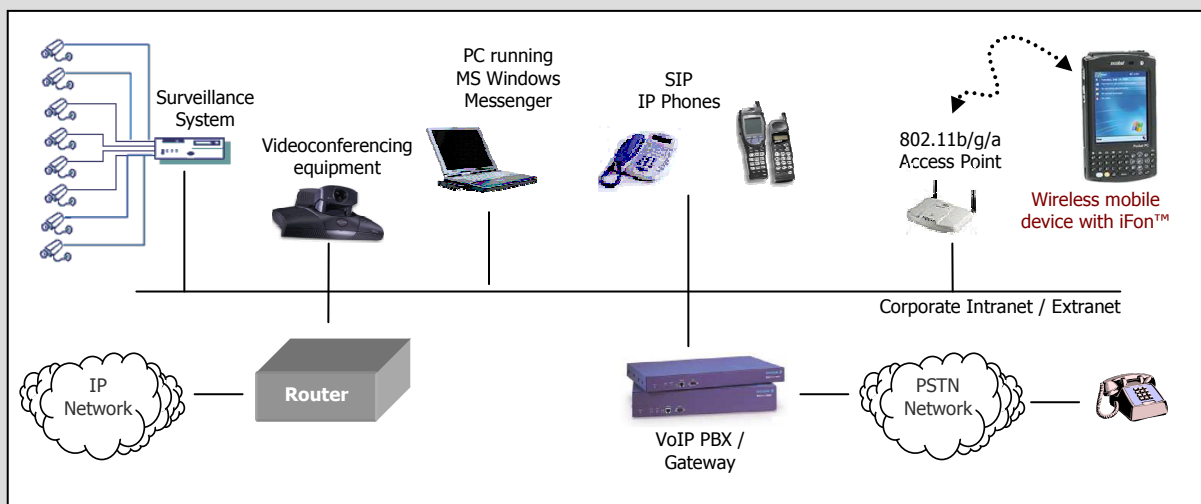
iFon™ is the most advanced dual-mode and triple-play voice/video/messaging application for wireless mobile devices. It enables a new breed of interactive mobile communications, while preserving the existing infrastructure. It also opens new doors to previously infeasible applications by integrating rich media, messaging and data into a single mobile device.

iFon™ is the first software client to enable standards compliant VoIP, videoconferencing and messaging communications on wireless WindowsCE / PocketPC PDAs. Based on both the IETF SIP standards, it plugs directly into existing corporate IP-PBX environments and connects to existing video communication systems. On dual mode WAN/WLAN devices it also integrates GPRS/CDMA dialing.



Typical Applications:

- *Richer consumer communications:* beyond voice, service providers can unleash the true power of wireless IP and fixed mobile convergence (FMC).
- *Corporate voice systems:* enterprise users can extend the reach of their PBXs in and out of the office.
- *Video surveillance:* security guards can access and switch cameras and make calls while walking the floors.
- *Vertical markets:* integrate phone walkie-talkie in their data devices.
- *Training and support:* field technicians can exchange live video instructions while talking.
- *Video conferencing and collaboration*



iFon™ - VoIP and video communications

Features

- Full-duplex voice, 2-way video (requires camera)
- SIP proxy support
- Dual mode GSM/CDMA and SIP voice support as well as SIP messaging
- Support for variable audio frame size and adaptive video bandwidth management
- Advanced telephony features (e.g. hook/flash, call hold, attended and blind call transfer, etc.)
- DTMF, line tones and user-selectable alerts
- Echo canceling, noise reduction, automatic gain control, jitter buffer and packet loss concealment
- Distinctive ringing and Picture-ID
- Pocket Outlook integration and calls log
- Silent background operation and automatic restart
- Cisco-compatible remote configuration
- Power and network management
- Programmable skins
- Dynamic platform detection and optimization
- Customer-specific configurations
- And much more...

Compatibility

- PocketPC PDAs and cameras: see compatibility list.
- Infrastructure: Nortel, NEC, Cisco, Adtran, Ericsson, etc. Conferencing: Tandberg, Polycom, Radvision, MS Windows Messenger, etc.

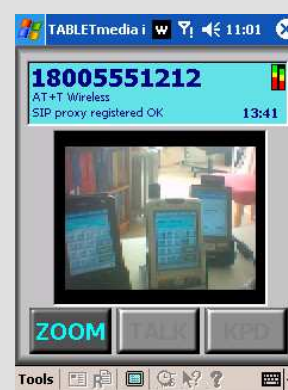
Specifications

- IETF SIP (RFC3261)
- Audio codecs:
 - G.711 (A-law and u-law)
 - G.722
 - G.723.1 at 6,400 and 5,333 bps (optional)
 - G.729A (optional)
 - GSM 6.10 and MS-GSM
 - AMR (optional)
- Video codecs:
 - H.261 (optional)
 - H.263
 - MPEG-4 (optional)
 - H.264 (optional) (TBD)

Requirements

- Microsoft PocketPC 2002, Windows Mobile 2003, 2003 SE, 5.0, 6.0, 6.5, WindowsCE 4.x/5.x/6.0¹
- Marvel PXA32x, Intel PXA2xx and other ARM (e.g. TI OMAP) processors
- Any suitable TCP/IP connection
- Earplug for hands-free operation (optional)
- Camera for 2-way video (optional)

¹ Special versions available on other operating systems and CPUs (e.g. WindowsXP, Linux, Symbian, Renesas SHx, Motorola i.MX)



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