

## Mega-Phonic PC Phone



EMC Software's *Mega-Phonic PC Phone* brings PSTN and PBX telephone service to the Personal Computer over the corporate network, DSL, or Cable Modem simply by running a program and connecting to a Voice over IP (VoIP) Telephone Service Provider.

The *Mega-Phonic PC Phone* allows the carrier to

- Experience increased revenue growth by providing
  - Telephone service to many broadband users
  - Very Short time to market
- Enhance existing and emerging offerings
  - Extend telephony support to work at home & other users
  - Lower investment cost than hardware media gateways
  - Provide desktop and web page interaction to call centers
  - Provide disaster recovery solution
- Realize greater profit retention
  - No need to share PC-telephony service revenue
- Be compatible with installed subscriber base
  - MegaPhonic™ Softphone does not require Windows XP™
- Maximize their value proposition to subscribers while minimizing operating costs because the MegaPhonic™ Softphone is MGCP-based, thus
  - The Carrier provides revenue-generating integrated services instead of just PSTN access
  - Feature Support is uniform across the network
  - Feature interactions are centrally managed & tested
- Allows the carrier to quickly roll out service without costly CPE upgrades.
- Brand and customize to meet their requirements.

For Subscribers, the *Mega-Phonic PC Phone*

- Empowers users to place and receive phone calls using their assigned phone number whether at Home or at Work.
- Can be used for disaster recovery and other contingency planning.
- Eliminates the need for an expensive PBX or excessive dedicated voice lines and allows any idle bandwidth to be reclaimed and used by data applications.
- Provides an integrated computer and telephone that supports call history and facilitates effective customer relationship management.
- Enhances workgroup communications with its exclusive LAN Feature set.
- Uses a well defined set of ports so that it can be used with NAT routers and gateways.

The *Mega-Phonic PC Phone* runs on most existing network PCs without costly hardware or OS upgrades. A Windows™ 98, ME, 2000, XP, or NT 4.0 on a 300 Mhz PC is all that is required to run the program. This means a subscriber does not need to upgrade, replace, or invest in special hardware to get on the voice powered Internet.

*Mega-Phonic PC Phone* voice quality is outstanding. Its codec (coder-decoder) implementations are optimized for interactive voice and provide excellent performance on older Windows™ as well as Microsoft's latest offerings.

Calls placed using the *Mega-Phonic PC Phone* perform better and are more private than other VoIP solutions as they go directly to your carrier and are independent of your ISP or the operating systems supplier.

The *Mega-Phonic PC Phone* is compatible with Telephone Service Providers and IP-PBXes that utilize the RFC 2705 Media Gateway Control Protocol (MGCP) family of protocols. The control protocol implementation is extraordinarily flexible and is field adaptable to a variety of SoftSwitch-specific requirements, including NCS. The program supports the analog line package portion of RFC 2705 and the latest Internet Engineering Task Force drafts.

The *Mega-Phonic PC Phone* provides LAN features to optimize the operation of a typical office. Users connected via a LAN Segment may utilize the *Mega-Phonic PC Phone's Click-N-Holler™* intercom and status features. Not only can you immediately contact your co-workers, you can determine their availability before interrupting them.

The *Mega-Phonic PC Phone* utilizes existing capital equipment to its fullest, provides many enhanced features and reduces operational support costs while providing phone service to anywhere the Internet reaches.

### Technical Specifications

The *Mega-Phonic PC Phone* is a Voice over IP (VoIP) enabled telephone that uses the MGCP (Media Gateway Control Protocol) to manage the communications. And it uses RTP (Real-time Transport Protocol) to transmit voice.

The *Mega-Phonic PC Phone* uses the sound card in your computer while supporting the following features:

- Basic two party calls
- Caller ID
  - Windows Address Book integration
  - Web Integration
- Do Not Disturb (DND)
- Mute
- Caller hold
- Call history - the data and time of each caller
- Click and Dial from Web
- Recently Called Numbers list

- *Click-N-Holler™* LAN-based Intercom and broadcasting
- *Voice-Enabled Email* sends your voice via email.
- *Supports Soft Switch features that interact with the phone such as*
  - Account code collection
  - Distinctive ringing
  - Call waiting
  - Call forwarding
  - Return call
  - Special call routing, screening, and other Vertical Services
  - Announcement Server interaction

The *Mega-Phonic PC Phone* supports the following standards:

- MGCP RFC 2705
- NCS: PacketCable™ Network-Based Call Signaling Protocol Specification
- RTP - RFC1889, RFC1890 (including RTCP)
- Codecs: PCMA, PCMU(G.711), PCMA-16, G.726<sup>1</sup>

The *Mega-Phonic PC Phone* can be controlled by any soft-switch that supports MGCP lines and can communicate with any PSTN interface, soft phone, or voicemail system using compatible RTP. The remote phones may be SIP (Session Initiation Protocol), MGCP, or H.323 controlled.

## Program Options

The following options are available for the *Mega-Phonic PC Phone* and are licensed separately:

- **QoS marking.** (In test. Available Mid 2002) QoS marking enables your network to differentiate voice and data traffic and perform traffic engineering.
- **G.729** (Planned) provides high quality voice while using 1/8 the bandwidth.
- **Banner Advertising** can be provided on the *Mega-Phonic PC Phone* interface.

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<sup>1</sup> Due 2002Q2

## Features

Multi-Line POTS	The <i>Mega-Phonic PC Phone</i> has the features you expect from a Multi-line POTS phone. This includes redial, phone directory, conference, hold, mute, and speakerphone. In addition to these features, caller-id, call waiting, call waiting on caller-id are provided if the carrier software supports it.
Legacy Platform	The <i>Mega-Phonic PC Phone</i> operates on Windows '98 and higher personal computers. It does not require an expensive system upgrade or replacement and as a result <i>it is more attractive to a much larger user base.</i>
Windows integration	The <i>Mega-Phonic PC Phone</i> is separate from the operating system but utilizes operating system features including the <i>Windows Address Book</i> .
Integrated Messaging	The <i>Mega-Phonic PC Phone</i> provides an integrated voice and data platform. You can send email or voice-enabled email in response to any caller.
Direct Carrier Connection	No need to use an intermediary. The <i>Mega-Phonic PC Phone</i> connects directly to your carrier's network.
Customization	The <i>Mega-Phonic PC Phone</i> can be customized or OEM'ed to meet specific corporate or Telephone Service Provider needs.
Skins support	Change the program appearance to suit your Brand, Mood or corporate image.
Web integration	The <i>Mega-Phonic PC Phone</i> can place calls simply by clicking on a web page and incoming Callerid information can direct your computer to an arbitrary web site.
On-line Directory Assistance	Single click access to the web-based directory assistance provider of your choice.

## Requirements

- Windows NT 4.0 or Windows 98, ME, 2000, or XP.
- Full-duplex sound card
- Microphone
- Speaker or headphones
- Broadband Internet connectivity

## Contact:

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