



# Internet SwitchBoard™

*High Performance, Standards Compliant, H.323 Internet Telephony software for the Internet PhoneJACK™ and Internet LineJACK™*

Long Distance  
Over the Internet  
High Quality  
Low Cost

## Point to Point Calling Over the Internet Using Standard Phones

- PC-to-PC calling as H.323 client using hardware based compression
- Interoffice connectivity via WAN or VPN
- Remote worker connectivity
- Remote call forwarding

The Internet SwitchBoard provides top ranked audio quality. ★★★★★ Excellent Audio Quality [Network Computing - Jan. 99] by fully utilizing the hardware-based audio processing capabilities of the Internet PhoneJACK and Internet LineJACK interface cards. When compared to software only Internet phone packages the Internet SwitchBoard provides shocking clarity and dramatically reduced delay. The Internet SwitchBoard can be used to call to other PC users over the Internet or local LAN. With its advanced telephone line emulation and networkable dialing controls you can create a Virtual PBX with a common numbering plan and link multiple offices together over a VPN (Virtual Private Network) or WAN. Connect the Internet LineJACK in the office to a user's extension and you can easily connect a remote worker into your primary office PBX. With the unique 'Hotline' capability you can even establish an automatic forwarding system via the Internet to centralize customer service or automatically route calls to the appropriate person or location.

## Outbound Calling from Your Standard Phone or PBX

- Integrated PC-to-Phone service access
- Dial from standard phones to parties who are not on the Internet
- Connects to your PBX so Internet calls are made just as if they were normal calls
- Acts as Hop-On H.323 gateway with account control for PC-to-Phone services

The Internet SwitchBoard is directly integrated with the leading PC-to-Phone gateway services and, when connected to a telephone or PBX, allows users to place an outgoing call just as they would normally. Calls are automatically routed to the proper destination whether on the Internet or to a recipient who only has a normal telephone. (Net2Phone service account required for PC-to-Phone service). When used between remote offices, calls can be delivered completely via the Internet and automatically ring at the destination and then be routed through to the correct extension at the destination. When used with an Internet LineJACK, the Internet SwitchBoard provides account based access control (calling card) and dialing to allow easy and safe access for Internet based calls from your cell phone or a local outside phone.

## Accept Inbound Calls from PCs or the Web

- Acts as H.323 gateway allowing automatic or manual dialing
- Appears as normal phone call; Rings telephone or PBX when calls arrive
- Compatible with H.323 software clients including NetMeeting and VocalTec Internet Phone
- Web800™ enables automatic dialing from Web page link through PBX or to PSTN number

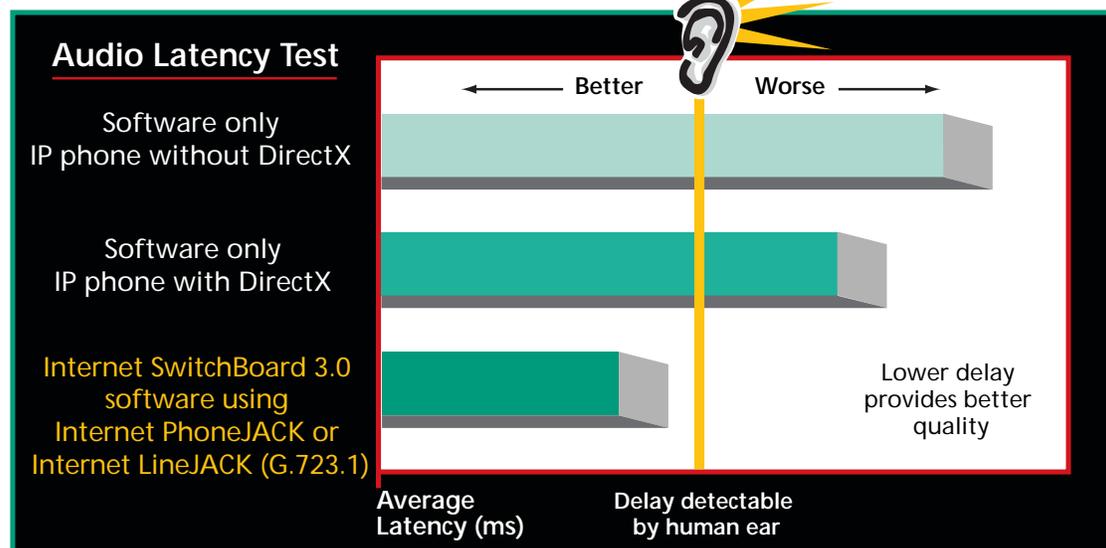
The Internet SwitchBoard turns your website into a live selling center. By placing a simple link on your site (Quicknet provides a simple and free, web-based service to create these links) your customers can simply click on the link and place a NetMeeting call directly into your business without having to disconnect from the Internet. When the call arrives at your office it rings into your PBX (connected to an Internet PhoneJACK or Internet LineJACK), and can automatically route to the proper department to handle the call. If you use the Internet LineJACK you can have calls automatically route to your sales person's cell phone or a standard



QUICKNET TECHNOLOGIES, INC.

telephone number (i.e., your existing Toll Free customer service number). For traveling workers or remote office, you can also receive and route calls either automatically or manually. This lets you reduce the calling costs between your offices and lets traveling workers have easy access to their office phone system while providing long distance savings at the same time.

## G.723.1 Latency: Hardware vs. Software



## Technical Specifications

### Standards Compliant:

- H.323 v2 call setup and control
- H.323 Gatekeeper support
- G.711, G.723.1, G.728, G.729a/b audio formats supported in hardware

### Controls Worldwide Hardware Compatibility Options:

- Configurable for multiple telephone standards
- PSTN line emulation for phone or PBX
- Automatic diagnostics for proper hardware configuration

### Quality Control Features:

- Hardware based audio compression/decompression
- Lost frame reconstruction
- Acoustic and line echo cancellation
- Bandwidth sensitive delay adjustment
- User controlled volume, gain and sensitivity controls
- Full duplex audio support

### Integrated Application Support:

- Microsoft® NetMeeting™
- ICQ by Mirabilis
- IDT Net2Phone™ (PC-to-PC and PC-to-Phone)
- VocalTec Internet Phone

### Technical Support Built-In:

- Online link to technical support for supported applications
- Online check for newer versions and upgrades
- Automatic tuning and configuration wizards
- Online user manual

Internet SwitchBoard with full activation license is included in the purchase price of the Internet LineJACK. Full activation upgrade (enables H.323 and gateway functions including Web800™) available via on-line purchase for Internet PhoneJACK™ users.

### Minimum Systems Requirements:

- Windows 95/98 PC (NT support in 1999)
- 16M RAM (32 recommended)
- 486-66 Processor or better
- IP network connection (Dial Up, LAN, Cable Modem, etc.)
- Either an Internet PhoneJACK™ or Internet LineJACK™ audio processing card
- Telephone and/or telephone line for communication (use with appropriate card)
- Single call support – One card per PC

### For More Information:

Quicknet Technologies, Inc.  
520 Townsend Street, Suite D  
San Francisco, CA 94103 USA  
Tel: +1-415-864-5225  
Fax: +1-415-864-8388  
Email: [sales@quicknet.net](mailto:sales@quicknet.net)

### Ordering Information:

Internet SwitchBoard™  
Single Line H.323 Gateway  
Part No: LP-31040-10