



Long Distance
Over the Internet
High Quality
Low Cost

Internet LineJACK™

"Use the Internet to make your phone calls for FREE without sacrificing quality, using the Internet LineJACK™ and your favorite Internet Telephone software. Call PC-to-PC, PC-to-Phone, Phone-to-PC,* or Web-to-Phone."*

Features and Benefits of Internet LineJACK

Seamless Calling Over Internet OR Local Telephone Line

- Use your normal phone to make or receive Internet phone calls
- Call PC-to-PC, PC-to-Phone, Phone-to-PC, Phone-to-Phone, or Web-to-Phone
- Uses most popular Internet telephone applications (Microsoft NetMeeting, VocalTec Internet Phone, IDT Net2Phone)

Use the Internet LineJACK and your familiar phone to place and manage all of your calls whether they are made over the Internet or your local telephone line. You can call to other telephones, to people using PCs on the Internet, or use the Internet to lower your long distance costs by calling through the Internet to a Hop-Off service near your destination. Using the Internet LineJACK all of your calls are made in a familiar way – just dial your touch tone phone or, to receive calls, just answer the phone when it rings! When used in combination with the most popular Internet telephone software you also get seamless integration and terrific extra features like videoconferencing (camera required), application sharing and whiteboarding!

Improves Call Quality Over the Internet

- Hardware Based Echo-Cancellation
- Full-Duplex Audio & Speakerphone
- Full Telephone Device Support
- Hardware Based Compression Reduces Delay and CPU Load (Requires Internet SwitchBoard™ Software - single line version of software included)

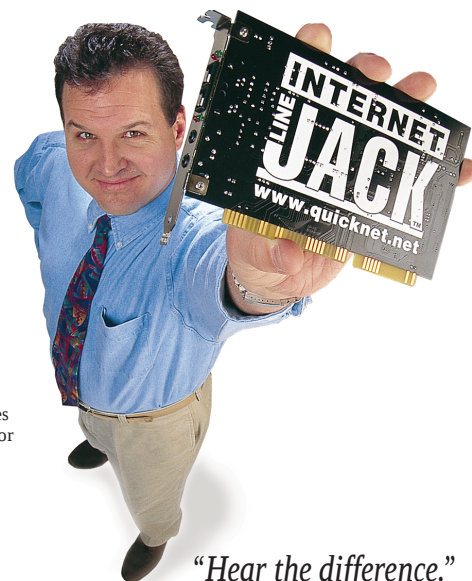
Most software based Internet phones use your computer's sound card for your conversations. Unfortunately most sound cards were never designed for two-way conversations and so you get problems like echo or half-duplex ("Walkie Talkie") type communications where you cannot speak and listen at the same time. The Internet LineJACK gives you echo-cancelled two-way (full-duplex) audio with 16-bit fidelity for the very best audio quality you can get in Internet Telephony. ★★★★★ Excellent Audio Quality [Network Computing – Jan. 99]

3-Way Conference Calling Between Internet and Local (PSTN) Calls

- Conference between Internet phone call, your local phone and a local telephone line

Business calling often requires that you communicate with more than just one person at the other end of your call. The Internet LineJACK allows you to conference together an Internet phone call with a call over your local telephone line to your local telephone. You can screen your Internet or local telephone calls before picking up to answer the phone.

* Requires Internet Gateway or "Hop-Off" Service. Most gateway services charge a per minute fee. Please check with your Internet Gateway provider for any additional fees they may charge.



"Hear the difference."



QUICKNET TECHNOLOGIES, INC.



Web800™ – Allow Customers to Call from the Web Into Your Existing Phone System

Your website is your “face” to the millions of people on the Internet. With our exclusive Web800™ feature you can now speak with visitors to your website and there's no long distance cost. Through the easy addition of a free hyperlink on your website (which you can easily customize for your own system), you enable visitors to automatically call into your existing phone or phone system through an Internet LineJACK or Internet PhoneJACK. Callers need only a multimedia PC and then just click on the link and a NetMeeting™ call is automatically routed to the phone or extension on your phone system that you specify; sales calls go to Sales, support inquiries go to Customer Service, you choose! With Web800™ you can convert your website from an online brochure into a live sales call.

Easy to Install and Reliable

- Plug-and-Play installation
Windows 95/98
- Power failure mode allows PSTN calls even when PC is powered off
- Automatically indicates incorrect line connections
- Works alongside existing sound cards (sound card not required)
- No IRQs required for installation

The Internet LineJACK is designed to install easily and quickly into your Windows 95/98 system. Plug-and-Play installation and Zero IRQ technology allows you to install into a PC even if all available system IRQs are used. Unique configuration detection also helps ensure your correct hardware configuration by automatically detecting errors in telephone configuration. Special power down mode directly connects your phone to your local line so you can make and receive calls even with your PC powered off. Because the Internet LineJACK appears as a Windows compatible audio device you can use your existing sound card for games and music while using the Internet LineJACK for your communications.

Card Diagram

RJ-11 Analog (PHONE) Port

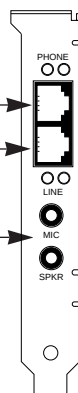
Connect your normal phone here.

RJ-11 Analog (PSTN) Port

Connect your normal LINE here.

3.5mm Microphone & Speaker

Connect your PC speakers & microphone here.



Rear View of Internet LineJACK™

Technical Specifications

Physical Connectors:

- PHONE Device port- RJ-11 2 wire, loop start, current loop, ring and tone supplied
- PSTN Line port: RJ-11 2 wire, analog loop start line connection
- (2) 3.5mm stereo jacks microphone and speaker in/out
- Form factor 1/2 size ISA bus card, single slot

POTS (PHONE) Port:

- On Hook Voltage: -48VDC $\pm$ 5VDC
- Nominal impedance: 900 Ohms
- Ring Source: 65V Square Wave @ 20Hz
- Ring Drive: 3 REN, Short Loop

PSTN (LINE) Port:

- UL recognized
 - FCC Part 68 approved
 - Worldwide compatible*
- (*May require physical connection adapter and software configuration in some countries.)

Analog Audio Ports:

- Microphone impedance 600 Ohm nominal
- Speaker output impedance 32 Ohm nominal

Misc. Audio Specifications:

- Full-duplex audio
- 16 digit DTMF decoding and generation, programmable
- Supports in-line compression for minimal audio delay*
(*Requires Internet SwitchBoard)
- Call progress tone generation, programmable
- Audio sample play from 5.5 to 48kHz
- Audio sample recording from 5.5 to 16kHz
- Software selectable 8/16 bit PCM, Linear, m-Law/A-Law, G.711, G.723.1, G.728, G.729A and Truespeech™ compressed audio
- Acoustic and Line Echo-Cancellation in hardware
- Auto gain control and software controlled gain and volume

Operating Environment:

- Operating Temperature: 0 to 55° C
- Humidity: Up to 80% non-condensing
- Storage: -40°C to +85° C

Standards Support:

- H.323/H.324 audio format compliant
- Microsoft Multimedia Audio compatible
- Plug-and-Play compatible

Integrated Applications Support:

- Internet Phones:
 - Internet SwitchBoard™
 - Microsoft® NetMeeting™
 - VocalTec Internet Phone™
- PC-to-Phone Services:
 - IDT Net2Phone™

System Requirements:

- IBM or compatible PC with 486 or higher processor
- 16MB RAM (Windows 95/98), 32 MB RAM
- Windows® 95/98
- Internet Telephone software application (included)
- Available 1/2 size ISA bus slot
- Analog telephone and/or analog telephone line
- PC Speaker and Microphone optional
- LAN or modem based Internet connection (14.4kbps or faster modem for dial up)
- No system IRQs are required

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

Ordering Information:

Internet LineJACK™
Single Channel, ISA bus
Part No: LP-31010-10