

Long Distance
Over the Internet
High Quality
Low Cost

Internet PhoneJACK™-PCI

*"Use the Internet to make your phone calls for FREE without sacrificing quality, using the Internet PhoneJACK™-PCI and your favorite Internet Telephone software. Call PC-to-PC or PC-to-Phone. * Great for the small office!"*

Features and Benefits of Internet PhoneJACK-PCI

Make Internet Phone Calls From Your Regular Phone

Phone rings when you receive an Internet phone call.

Pick up the phone to make an Internet phone call.

Use your familiar phone to make and receive Internet phone calls. You can plug your standard analog telephone, handset or headset into the Internet PhoneJACK-PCI and keep your Internet phone calls private. The Internet PhoneJACK-PCI allows your phone to ring when a call arrives and automatically launches your favorite internet phone application when you pick up the handset. Or, if you prefer, talk hands-free via a full-duplex speakerphone using your microphone and speakers. The choice is yours!

Improves Call Quality Over the Internet

- Hardware Based Echo-Cancellation
- Full-Duplex Audio & Speakerphone
- Hardware Based Compression Reduces Delay and CPU Load
(Requires Internet SwitchBoard™ Software - v3.1 or higher)

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 PhoneJACK-PCI 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. Using a high-powered coprocessor to handle the compression and decompression tasks, the Internet PhoneJACK-PCI off-loads your main processor for other tasks. This not only reduces delay in your call, but it improves the overall performance of your computer while in an Internet call. Reviewers even say "We almost forgot we were using Internet Telephony!" [CTI Magazine - July 1997] ★★★★★ Excellent Audio Quality [Network Computing Magazine as tested by MCI Laboratories - Jan. 99]

Easy to Install and Reliable

- Plug-and-Play installation Windows 95/98 and Windows NT
- Works alongside existing sound cards (sound card not required)
- No IRQs required for installation

The Internet PhoneJACK-PCI is designed to install easily and quickly into your Windows 95/98 or Windows NT (4.0 or later) PC. Plug-and-Play installation and Zero IRQ technology allows you to install into a PC even if all available system IRQs are in use.* Because the Internet PhoneJACK-PCI appears as a Windows compatible audio device you can use your existing sound card for games and music while using the Internet PhoneJACK-PCI for your communications.

** 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.*

Quicknet's family of Internet Telephony products has received the following awards:



QUICKNET TECHNOLOGIES, INC.

Example Applications

- PC-to-PC Internet Phone
- PC-to-Phone
- 'Intranet Calling'
- Web800™ – Web-to-PBX calling

Use Internet PhoneJACK-PCI to improve the quality of PC-to-PC Internet telephone calls. Make long distance and International telephone calls over the Internet to any regular telephone using a PC-to-Phone service.* Call to a phone (or phone system) and dial through the auto-attendant or voicemail at your office.** Businesses can use their existing TCP/IP connections and leased lines to make voice calls (from PC or regular phone) between their offices. No need for duplicate voice lines.

With our powerful Web800™ feature (www.web8hundred.com) you can easily enable visitors to your website to directly call over the Internet and into your existing phone system.

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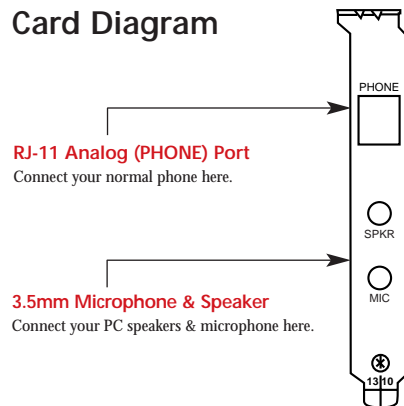
*** Requires compatible gateway at office including Cisco or Quicknet Internet Switchboard equipped with Internet LineJACK or Internet PhoneJACK.*



Use the Internet PhoneJACK-PCI with your modem or LAN for higher quality Internet Telephony from your familiar telephone.

Visit our website (<http://www.quicknet.net>) for detailed example applications of Internet Telephony with the Internet PhoneJACK-PCI.

Card Diagram



Rear View of Internet PhoneJACK™-PCI

Technical Specifications

Physical Connectors:

- One RJ-11 POTS Line out Loop, ring and tone supplied
- (2) 3.5mm stereo jacks Microphone/Speaker audio in/out
- Form Factor 1/2 size PCI card, single slot, 32 bit, 5 volt

POTS (PHONE) Port:

- On Hook Voltage: -48VDC ± 5VDC
- Nominal impedance: 900 Ohms
- Ring Source: 65V Square Wave @ 20Hz
- Ring Frequency: 20 Hz ± 5%
- Ring Drive: Up to 3 Ringer Equivalents (3 REN)

Analog Audio Port:

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

Cabling:

- Standard RJ-11 loop start connector. 2 wire
- 35mm stereo or mono audio connectors. Monaural sound

Misc. Audio Specifications:

- 16 digit DTMF decoding and generation, programmable
- Supports in-line compression for minimal audio delay
- Call progress tone generation including dial tone, programmable
- Play at 8-44kHz
- Selectable 8 or 16-bit, A/μ-Law, G.711, G.723.1 and TrueSpeech audio
- Software controlled gain and volume
- Automatic gain control
- Open programming interface

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 compatible
- Microsoft WAV, ACM, and MIXER APIs*
- 8 and 16-bit linear audio support
- Hardware-based G.711 A-Law/μ-Law, G.723.1, G.728, G.729a, and TrueSpeech voice compression

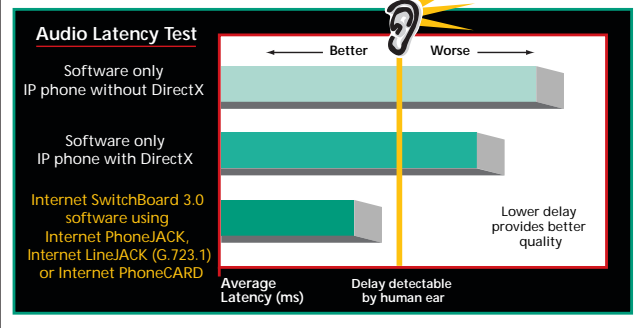
Operating Systems:

- Windows 95/98, Windows NT (4.0 or higher) or Linux
- MAC OS available in 2000

System Requirements:

- IBM or compatible PC with 486 or higher processor
- 16MB RAM (Windows 95/98 or Linux), 32 MB RAM (Windows NT)
- Internet Telephone software application (included)
- Available 1/2 size PCI bus slot
- Analog telephone and/or analog telephone line
- LAN or modem based Internet connection
- No system IRQs are required

G.723.1 Latency: Hardware vs. Software



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*Windows 3.1 not supported.

Features and specifications are subject to change without notice.

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Ordering Information:

Internet PhoneJACK™
Single Channel, PCI bus
Part No: LP-31040-10