

Long Distance
Over the Internet
High Quality
Low Cost

"Use the Internet PhoneCARD" to place and receive high quality Internet phone calls from your notebook computer. Call PC-to-PC, PC-to-Phone* or receive calls from your office via the Internet. Use with the Internet Switchboard or your favorite Internet Telephone software. Great for the business traveler!"

Features and Benefits of Internet PhoneCARD

Make Internet Phone Calls From Your Notebook Computer

- Make and Receive High Quality Internet Calls From Your Notebook Computer
- Use a Headset or Normal Analog Phone Your Choice
- Retrieve Voicemail From Your Office Phone System

Now you can make high quality Internet telephone calls from your notebook computer. Most notebook computers have only half-duplex (one-way) audio capabilities and are hard to use with Internet telephone applications. With the privacy of a headset you can speak with friends, family and business associates around the world for the cost of your local Internet connection. You can even use your phone or computer keyboard to connect to your office and retrieve your voicemail from your home or office phone system. If you have a group call, you can also use a Microphone and Speaker set to act as a full-duplex speakerphone.

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)

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 PhoneCARD 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 PhoneCARD 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
- PC Card (Type II PCMCIA Card)
- Use Standard Audio Headset for Convenience and Privacy
- Optional SmartCable™ Adds Support for Analog Telephones

The Internet PhoneCARD is a PC Card (Type II PCMCIA card) just slightly thicker than a normal credit card. The Internet PhoneCARD 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 allow you to install into a PC even if all available system IRQs are in use. Because the Internet PhoneCARD appears as a Windows compatible

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

















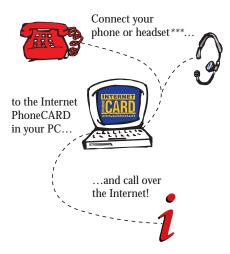
Internet PhoneCARD www.quicknet.net

audio device, you can use your existing sound card for games and music while using the Internet PhoneCARD for your communications. The optional SmartCable™ attachment allows you to connect a standard analog phone for convenience. Adding a telephone gives you the ability to have your phone ring when calls arrive and dial just as you would in a normal call.

Example Applications

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

Use Internet PhoneCARD 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.

Use the Internet PhoneCARD 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 PhoneCARD.

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

***Phone requires SmartCable.

Technical Specifications

Physical Connectors:

POTS Line out One RJ-11***

> Loop, ring and tone supplied Microphone/Speaker audio in/out

· Form Factor PC Card (Type II PCMCIA)

POTS (PHONE) Port:

• (2) 3.5mm stereo jacks***

• On Hook Voltage: $-48VDC \pm 5VDC$

• Nominal impedance: 900 Ohms

• Ring Source: 65V Square Wave @ 20Hz

• Ring Frequency: $20 \text{ Hz} \pm 5\%$

• 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

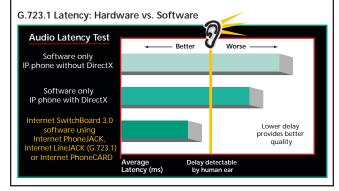
 Hardware-based G.711 A-Law/μ-Law, G.723.1, G.728, G.729a, and TrueSpeech voice compression

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), 32 MB RAM (Windows NT)
- Internet Telephone software application (included)
- Available PC Card slot (Type II PCMCIA)
- · Analog telephone and/or analog telephone line
- · LAN or modem based Internet connection
- · No system IRQs are required



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Single Channel, PC Card Part No: LP-31070-10

Part No: LP-31071-10 with **SmartCable**