Press release

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Talk Is Cheap... Over the Internet

Sound4Tel Card Revolutionizes Internet Phone Calls by
Eliminating Echoes

MAINZ, GERMANY - December 14, 1999 (INB) -- As the decade that revolutionized
communications comes to a close, the telephony industry seems only to quicken
the process of new technology. Breakthroughs in the quality of Internet phone
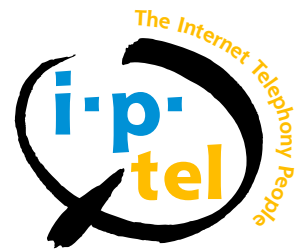calls continue with the Sound4Tel card from PAM Software.

The Sound4Tel card effectively suppresses the disturbing echoes that interrupt
Internet phone calls.

The increasing use of the Internet and Intranets in symphony with the telephone
has created the need for a product such as the Sound4Tel card. The evidence of
the low cost and ease of transmitting data over IP networks leads to the logical
next step -- voice transmission. The problem with this process until now has been
the limitation of speech quality for PC-to-phone or PC-to-PC communication.

The Sound4Tel Card eliminates echoes during these transmissions. Speech
quality is improved to the point of comparison to standard phone-to-phone calls.
In addition, Sound4Tel is easy to use: just pick up the receiver and dial the numbers
on the phone. When used in combination with a good ISP, choppy speech and
disconnects are avoided as well.

Sound4Tel has been PTT approved in the United States and 17 European countries
for connecting Sound4Tel and the PC to the public network as a small VoIP gateway.
Both parties of an Internet call only have to pay for their Internet access, which is
approximately the cost of a local call. If the person making the phone call has an
Internet telephony service provider, like Net2Phone, the call can be made to any
normal telephone over the Internet. However, for PC-to-PC calls it is necessary that
the other party hasaccess to the Internet.

For bandwidth and hardware requirements, visit
<http://www.i-p-tel.de/html/faq.html>.

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PAM Software

PAM Software is one of the pioneers in the field of telephone-to-telephone communication over the Internet. Founded in 1986, PAM Software is an innovator in network communications software. Initially a producer of LAN adaptors and appropriate software, PAM Software then started developing PC based Dialin Routers designed for ISDN Primary Rate interfaces.

Since then, PAM Software has perfected the voice quality through robust echo suppression, short delays and improved voice compression to such an extent that it is virtually no longer possible to notice any differences in quality compared with the conventional telephone network. IP telephony cuts line costs due in part to the compression of sound pauses, and by using Internet lines, which offer more flexibility and are considerably cheaper than direct fixed connections.

PAM software has also developed Portline, a product excellently suited for constructing an IP-based telephone backbone network. A network of Portline gateways makes it possible to access the least expensive routing for each call. When using Portline, access to the customer is available through conventional telephone lines (Phone-to-Phone) as well as via the Internet (PC-to-Phone).

For more information on the technology or usage of the Sound4Tel card, Portline or PAM Software, please contact Pascal Merle at mailto:info@i-p-tel.com or +49 6131 41 537 (Germany).