Application Software Development

CX1b-01

On Voice Over IP System

Audio Email

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VoIP is a newly developed voice communication technology. It is the two-way transmission of audio over a packet-switched IP network (the Internet).

This project is entitled Audio Email System. It is an application software using the edge cutting VoIP technology. The Aim of this Audio Email project is to implement a windows-based server, which functions as a call center, enabling clients using conventional telephone to access their email account in any public email server and to listen to their email through computer generated voice by using Text-To-Speech technology. The application is self-running and can perform common email functions via touch tone controlling through the telephone wire.
In this project, we have successfully established a Phone-to-PC VoIP connection between conventional phones to an Internet PC server. Email can be read out through the telephone wire by using Speech 5.1’s TTS engine. Replying, sending email functions, and limited Chinese handling abilities are also added.

**Conclusion**

![Diagram of Full Software Architecture](image)