

# Internet Call Project

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- What is Internet Call?

Voice Over Internet Protocol

*"Voice Over IP (VOIP) needs a certain amount of bandwidth to be usable. connection may be rated at 512/128 kbps"*

- How does VoIP work?

Turn analog signal -> digital signal

- 1) VoIP using an ATA

Ordinary Phone ---ATA---Ethernet---Router---Internet---VoIP Service Provider

PC Soft Client – PC Soft Client

PC Soft Client is needed

- 2) VoIP using an IP Phone

IP Phone---Ethernet---Router---Internet---VoIP Service Provider

Hard phone is needed and recommended for first start.

## VoIP Service Provider

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A list of VOIP to PSTN service providers,

- ❑ [VOIP Service Providers Residential](#) - for retail level products
- ❑ [VOIP Service Providers Business](#) – multi line small business products and PBX systems \* Thailand has 3 service providers\*
- ❑ [VOIP Service Providers B2B](#) - wholesale and bulk products, products for resale
- ❑ [VOIP Service Providers T.38](#) - VOIP providers offering T.38 fax service (very few exist)
- ❑ [RIP VOIP](#) VOIP provider cemetery
- ❑ [Virtual PBX providers](#)

## VoIP system Services - Solutions

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- ❑ IP communication solutions – SIP communication environment
- ❑ Features
- ❑ Customizable communication portal for voice
- ❑ Message and video communication
- ❑ Portal support communication convergence between PC soft clients and Mobile soft clients.
- ❑ Instant messaging
- ❑ Presence

## PC Soft Client + Hard Phone

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## Call cases

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- VoIP ←-----→ VoIP
- VoIP ←-----→ VoIP (difference PC soft clients)
- VoIP ←-----→ GSM
- VoIP ←-----→ Land line
- VoIP ←-----→ Service Number
- IP Phone ←-----→ IP Phone

## Why use VoIP?

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- ▣ Lower Cost

- VoIP cost less than traditional phone
- Voice conference in VoIP service (free in single service)
- Free of charge of same soft client e.g. Skype

- ▣ Increased functionality

- Incoming calls automatically routing to your VoIP phone

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Thank you!