



## PHONE CALLS

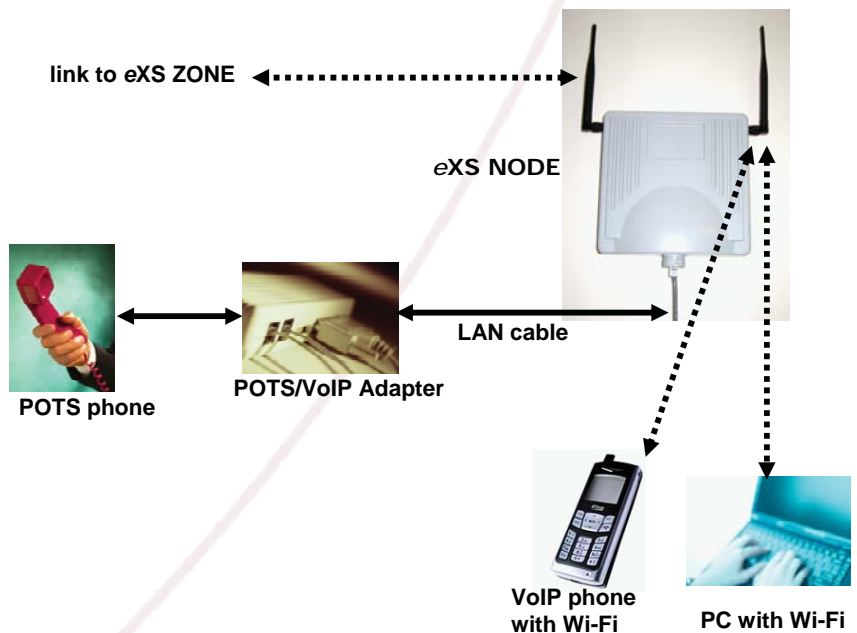
### Voice Calls

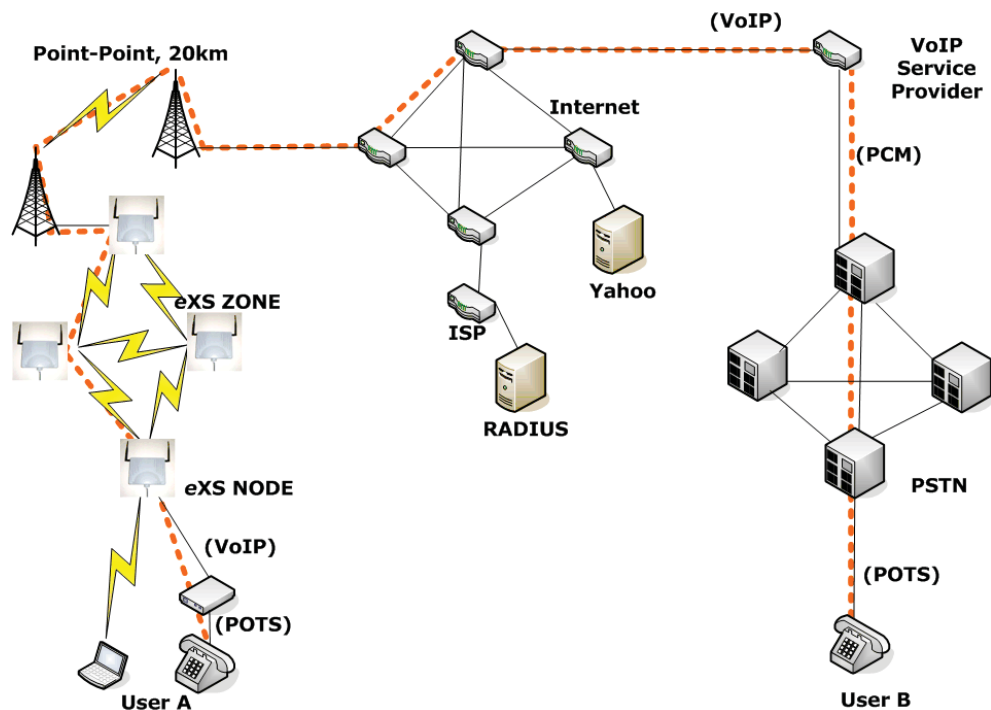
The eXS® ZONE lets users make telephone calls using standard telephones. The user has a public phone number and can receive calls from anywhere. The technology is transparent to the user.

Voice over Internet Protocols (VoIP) is the technology. An adapter converts the ordinary wired telephone's voice and signaling into data packets using Internet protocols. These VoIP protocols are now widely accepted and approved by many governments. VoIP telephones are being sold by many companies.

There are both wired and wireless VoIP telephones. Wired VoIP phones are connected to LAN cables. Wirelessly VoIP phones use Wi-Fi radios.

The eXS NODE™ supports both wireless and wired VoIP phones as well as POTS/VoIP adapters.





## How It Works

Referring to the Figure above, User A on the bottom left of the diagram will pick up the POTS phone to make a call, and dial the phone number. These actions are translated by the adapter into the VoIP Protocol. The protocol instructions go over the eXS ZONE (dotted line), over the Point-Point backhaul, and over the local Internet Service Provider's (ISP) network until they reach the VoIP Service Provider. The VoIP Service Provider's equipment converts VoIP instructions into instructions used by the telephone company's equipment and converts the Internet voice to the digital system (PCM) used by the phone company. The phone company then completes the call over the Public Switched Telephone Network (PSTN) to the called POTS phone (User B in the lower right of the diagram). Analog phone lines are called POTS lines (Plain Old Telephone Service). The details are the same if User-A has a VoIP phone, which talks directly to the eXS NODE.

## Contact Information

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