APPLICATION NOTE - 6

Feature: ETERNITY IP Extensions
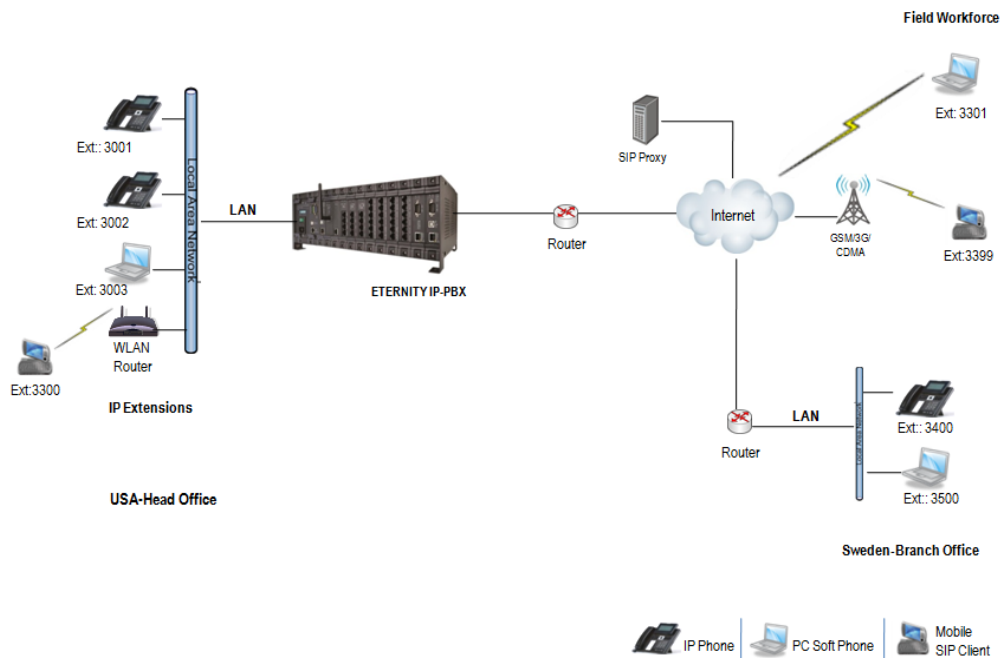
Product: ETERNITY IP-PBX

What is an IP extension?

IP extensions operate on IP networks and place telephone calls over the Internet. They use signaling protocols like SIP to set-up call and to communicate with other IP-PBX users. Unlike analog or digital extensions, as they require dedicated cabling to the on-premise PBX, IP extensions can be virtually located anywhere on the Internet to function as extension of the IP-PBX. It can work as on-premise extension by integrating it to corporate LAN network or work remotely from any geographical location. IP extensions can be software-based softphones, hardware-based desk phones, mobile phones or PDAs. IP extensions can make or receive calls, access IP-PBX features and trunks (CO lines) to make outside calls with similar ease and simplicity to that of the TDM extensions.

ETERNITY IP extensions

ETERNITY IP extensions facilitate users to work more closely and cohesively under the common enterprise communication network. Any SIP enabled device such as IP phone, PC with softphone or Mobile phone with SIP client can function as ETERNITY IP extension. Unlike analog or digital extensions, ETERNITY IP extension does not bind a user to a fixed location. ETERNITY IP users are free to carry their extension anywhere in the world. Instead of a phone number, each IP extension is identified by User-ID. An ETERNITY IP extension, located anywhere on the global IP network can establish calls retaining the same contact credentials and become a part of ETERNITY IP-PBX. ETERNITY IP extensions abolishes geographical boundaries, bring branch offices and mobile workforce all-together under a single communication umbrella.

Application Diagram

Key Features

- Open-standard SIP Protocol
- Instant Messaging (IM)
- Presence Indication
- Extensions Portability
- Call Forking
- NAT and STUN Support
- Dynamic DNS
- Mobility Extensions

Benefits

- Multi-Site Connectivity
- Stay Connected to the Office Communications from Distant locations
- Flexibility to Use any SIP enabled devices as IP extensions
- Multiple Connectivity Options: Calls and IM
- Flexible Connectivity Options by Mapping a Call to Multiple User Terminals
- Seamless User Mobility with Global IP extension Portability
- Ensured Connectivity with Remote Users, Even behind a Router/Firewall

Target Customers

- Call Centers
- MNCs
- Enterprises with Branch offices
- Small and Medium Businesses
- Export Businesses
- Hosted IP-PBX Service Providers

Release	06-May-2010
Product Name	ETERNITY IP-PBX
Software Version	ETERNITY V10 Onwards