

APPLICATION NOTE-32

Feature

On-premise Mobility with Grandstream IP-DECT Phones as Extensions of Matrix IP Phone System

Products

Communication Platforms: Matrix NAVAN CNX200, ETERNITY NE/PE/GE/ME IP-PBX
 IP-DECT: Grandstream DP715/710

Introduction

Modern workplace dynamics require employees to move beyond their desk. They need to be mobile and accessible inside the office for critical business communications. Matrix IP Phone Systems in conjunction with IP-DECT phones offer wireless mobility to roam inside the office, campus or cafeteria.

IP-DECT phones utilize office IP networks and work the same way as desk phones to make and receive calls using PBX resources. Easy to carry and less on pockets, IP-DECT are true companion for users working in dynamic environments.

Ideal Solution for

Hospitals/Clinics

Factory/Ware House

On-Site Workers

Hotels/Motels

Office Workers



Benefits of IP-DECT Mobility

Flexibility to Work from Anywhere

No more 'Not at Desk' Employees

Immediate Access to Key Person

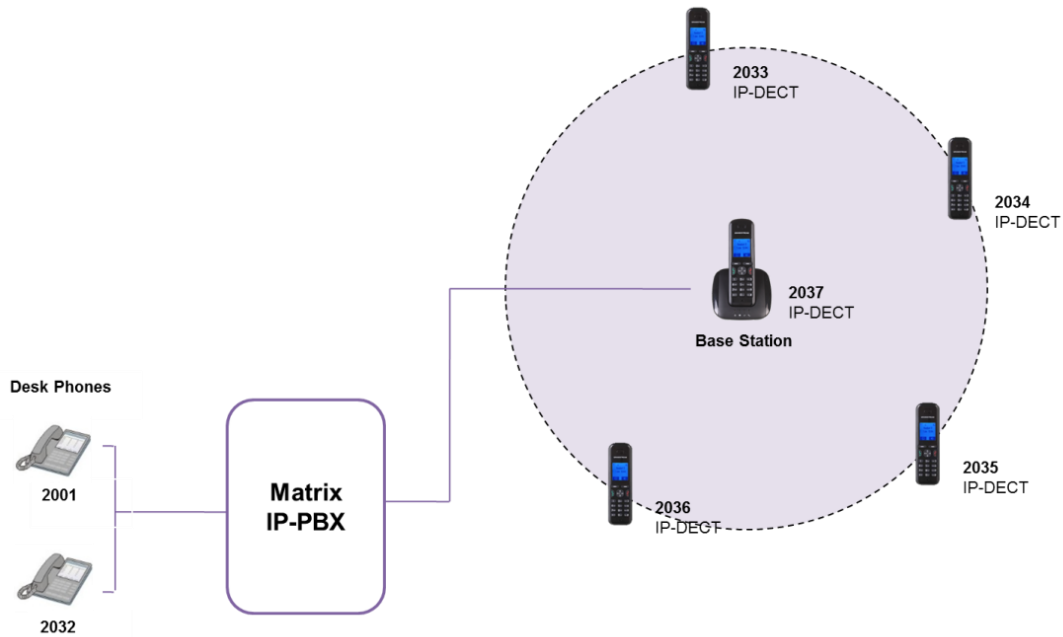
Reduce Costs associated with Internal Cellular Calling

Save Cost of Complex Telephone Wiring

Improve Customer Service

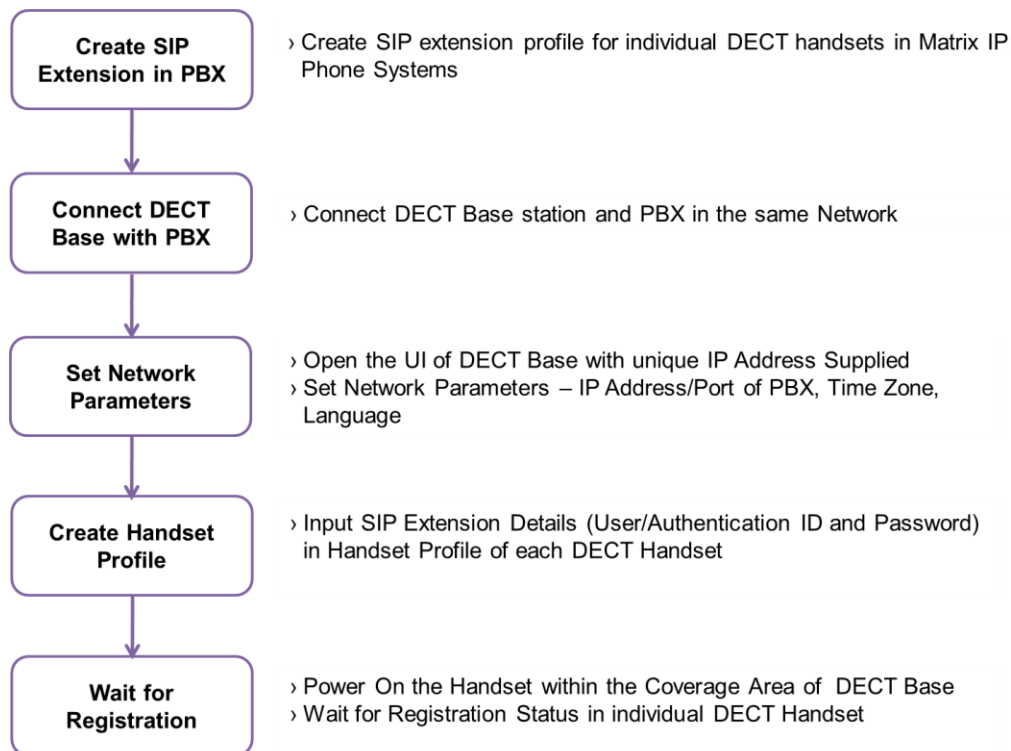


Application Scenario

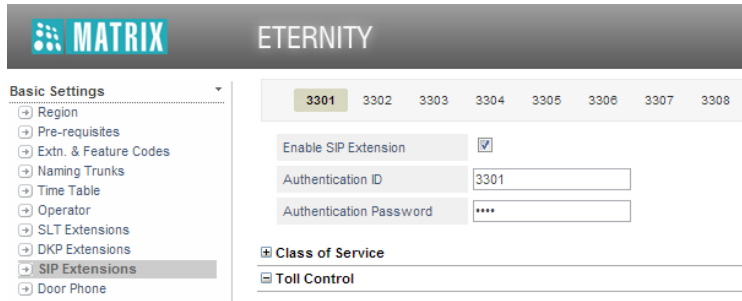


(Note- The number of IP-DECT phones supported is equivalent to the maximum IP users of Matrix IP-PBXs.)

Steps to Configure DECT Handset as PBX Extension

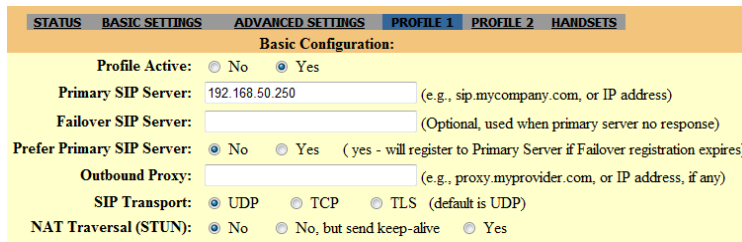


Configuration Screenshots



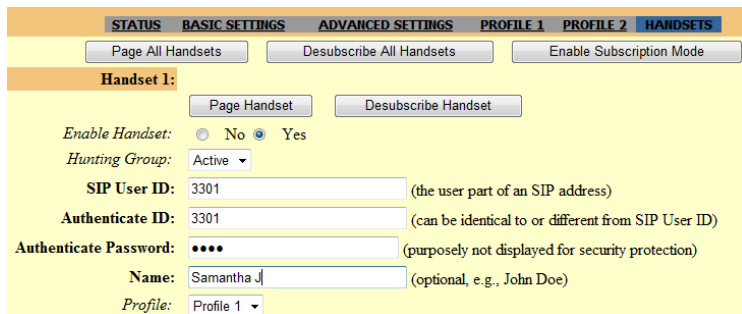
The screenshot shows the 'ETERNITY' configuration interface. On the left is a 'Basic Settings' menu with options like Region, Pre-requisites, Extn. & Feature Codes, Naming Trunks, Time Table, Operator, SLT Extensions, DKP Extensions, SIP Extensions (selected), and Door Phone. The main area shows configuration for extension 3301, including 'Enable SIP Extension' (checked), 'Authentication ID' (3301), and 'Authentication Password' (masked with ****). There are also sections for 'Class of Service' and 'Toll Control'.

(ETERNITY IP-PBX SIP Configuration)



The screenshot shows the 'Basic Configuration' section of the Grandstream IP-DECT UI. It includes fields for 'Profile Active' (Yes selected), 'Primary SIP Server' (192.168.50.250), 'Failover SIP Server', 'Prefer Primary SIP Server' (No selected), 'Outbound Proxy', 'SIP Transport' (UDP selected), and 'NAT Traversal (STUN)' (No selected).

(Grandstream IP-DECT UI – PBX IP Settings)



The screenshot shows the 'Handset 1' configuration section. It includes buttons for 'Page All Handsets', 'Desubscribe All Handsets', and 'Enable Subscription Mode'. Below are fields for 'Enable Handset' (Yes selected), 'Hunting Group' (Active), 'SIP User ID' (3301), 'Authenticate ID' (3301), 'Authenticate Password' (masked), 'Name' (Samantha J.), and 'Profile' (Profile 1).

(Grandstream IP-DECT UI – Handset Profile)

PBX Features Access

IP-DECT users can transparently access many features of Matrix IP-PBXs. Below is a list of major PBX features supported by DECT handsets:

1. Caller ID Presentation of PBX
2. Call Hold
3. Call Pick-up (Group Pick-up)
4. Call Forward (Busy, Unconditional, Delayed)
5. Call Transfer (Blind, Attended)
6. Call Return Service (Call Back)
7. Conference (3-Way, Multi-Participants)
8. Voice Mail Access

Document Type	Interoperability Note for Matrix Telecom Products
Compatible Software Version	ETERNITY V10R11, NAVAN CNX200 V1R1 onwards
Release Date	1-Aug-2013
Version	V1R1