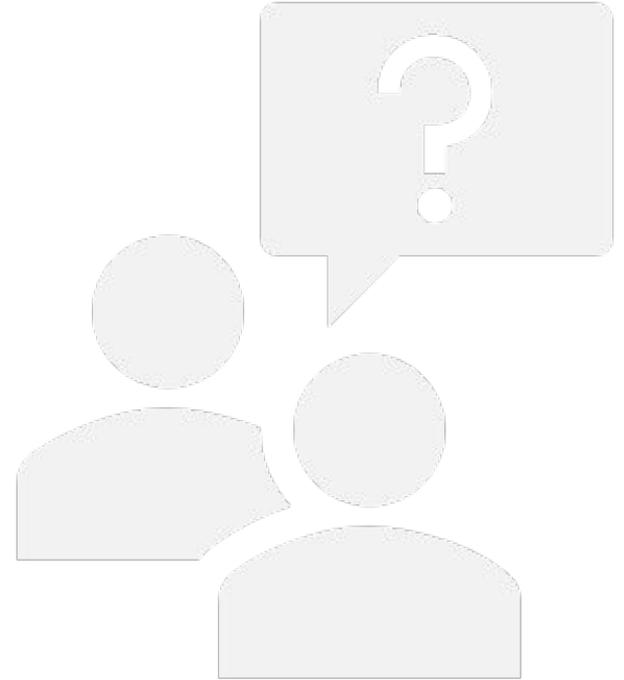# ETERNITY NENX
UC Platform for SOHO & SMB

NENX

UC Platform for SOHO & SMB

Challenges of SMB & SOHO

- Productivity
- Reliability
- Complexity
- Reachability for Remote Employees
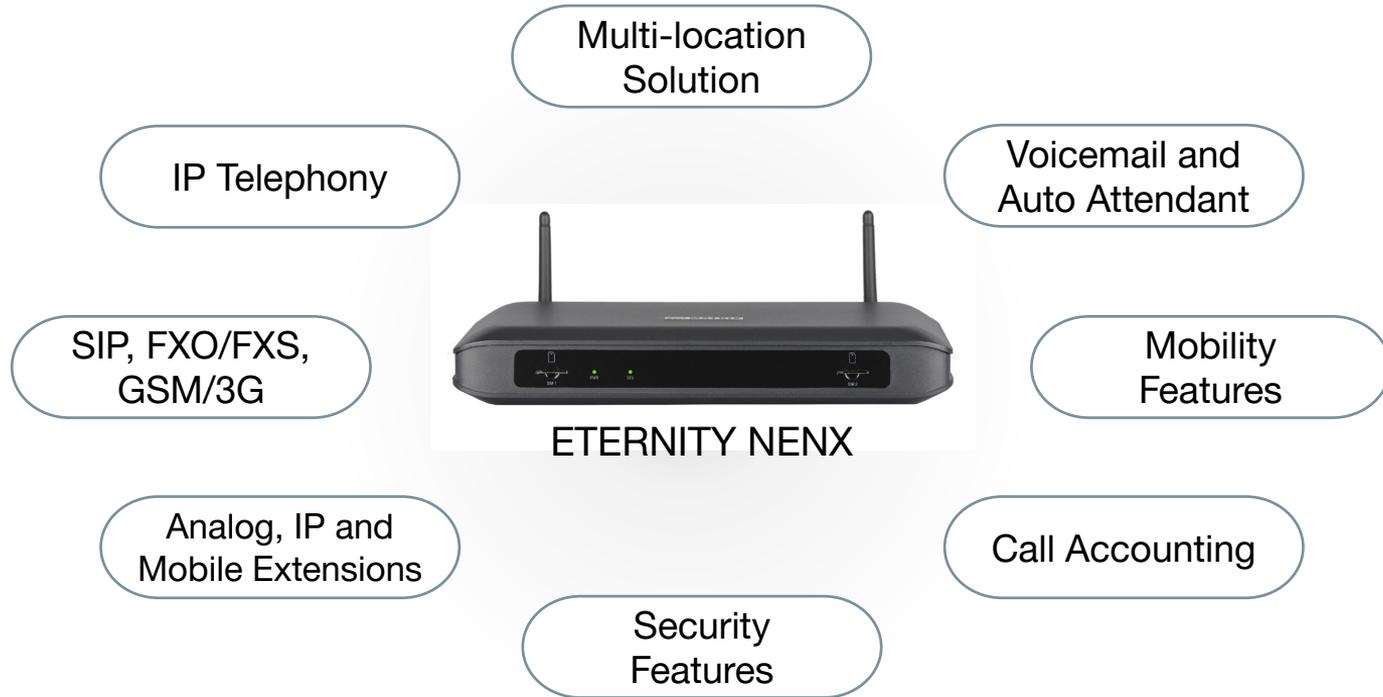- Costly Solutions

Presenting: ETERNITY NENXIP50

ETERNITY NENXIP50 – UC Platform for SOHO and SMB

- Powerful Server with Embedded Linux Based Architecture
- Reliable Solution for Small Office Set-ups
- Simplified Architecture with Built-in Resources – No more Licensing/Annual Cost
- Enterprise-Grade Features
- Mobility Features
- Cost Effective Solution

Product Overview

Multi-location Solution

IP Telephony

Voicemail and Auto Attendant

SIP, FXO/FXS, GSM/3G

Mobility Features

ETERNITY NENX

Analog, IP and Mobile Extensions

Call Accounting

Security Features

IP Telephony Benefits

- Remote Configuration and Management

- Easy to Install and Configure

- VoIP Calls to Connect with Every User at Low Cost

- Eliminate Vendor Lock-in

- Connect Multiple Branches

- VoIP Connectivity with Feature Transparency

- Connect Remote/Field Users to Provide Mobility

- Use Your Own Device (UYOD) for Enhanced Flexibility

- Video Calling/Screen Sharing

Voicemail System

Voicemail **System**

- Individual Mailbox for All Users
- Built In Auto Attendant
- 128 IVR Prompts and GUI Upload
- Supports Multi-Lingual prompts & Language change option

No Separate Server

- Built-in 1152 Hours Recordings
- Scheduled Backup transfer to Network PC/Drive

Built-in Call Recording

- Call Recording for all Incoming, Outgoing & Internal Calls
- On Demand Call Tapping

License Free Environment

- No license required for Individual Mailbox, Call Recording, Voicemail to Email

Mobility

- 1000 DSS and 600 BLF Keys
- Call Management Features
- Corporate Directory Integration
- Drag & Drop Conference
- Presence and Chat
- Contact Group
- Auto Sign-in of Mobile Extensions
- Outlook Integration
- Siri Integration
- Screen Sharing

UC Mobile Client

UC Desktop Client

CAS – Call Accounting Software

- 12,000 Call Detail Record of Outgoing, Incoming and Internal Calls
- Call Duration, Calling Number, Trunk, Extension, PIN
- Print SMDR Reports Directly from the Web GUI of the System
- Call Cost Calculations – Trunk-wise and Time-based
- Call Budgeting – Trunk wise
- **No Third-party CAS (Call Accounting Software) required**.

SMDR Report

MATRIX ETERNITY

Extension
Department Group Properties
Extension Over Q-SIG
Call Forward - All Extensions
Trunk Properties ▶
Status ▶
Voice Mail Memory Status
Day/Night Mode
Holiday Table
Authority Code
PIN Configuration
SMDR Management ▼
  → OG Call Report
  → IC Call Report
  → Internal Call Report
  → SMDR - Online
  → SMDR - Delete Call Record
SMS Server ▶
Reports ▶
Dial In Conference - Cancel
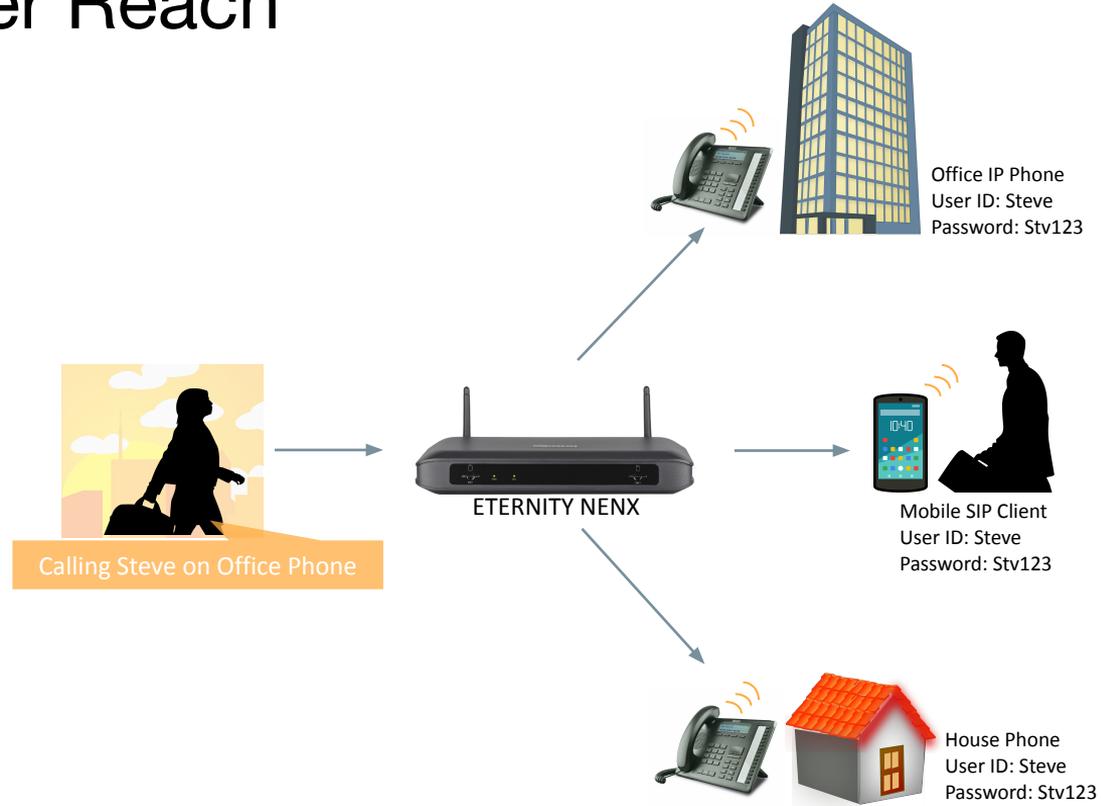SA Password
SA Timer
System Activity Log

SMDR Outgoing Calls Report

As On 06-11-2015(Thu) At 10:03

			Originated on			Terminated on	
Extension	000000 To 999999		CO	001 To 128		CO	001 To 128
Date	05-01-2005 To 12-31-2037		BRI	001 To 032		BRI	001 To 032
Time	00:00 To 23:59		T1E1	001 To 008		T1E1	001 To 008
Department Group	000 To 000		E&M	001 To 128		E&M	001 To 128
Dur (sec)	000		MOB	001 To 064		MOB	001 To 064
Account No	000 To 000		SIP	001 To 032		SIP	001 To 032
Authority Code	000 To 000		LD	001 To 032		LD	001 To 032

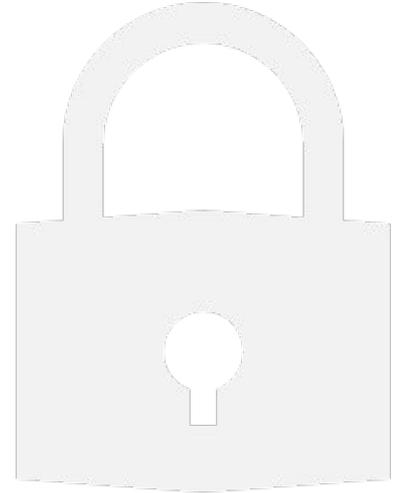| Sr. No.	Extension	Authority Code	Trunk	Called No.	Date	Time	Duration	Units	Amount	Call Type
1	3001	000	V001	5001	04-17-2015	15:24	8	1	1.10	I
2	3001	000	V001	3001	04-17-2015	15:53	12	1	1.10	I
3	3001	000	V001	3001	04-17-2015	15:56	14	1	1.10	I
4	3001	000	V001	3001	04-17-2015	15:57	13	1	1.10	I
5	3001	000	V001	3001	04-18-2015	07:03	8	1	1.10	I
6	3001	000	V001	2001	04-18-2015	07:04	35	1	1.10	I
7	3001	000	V001	3001	04-18-2015	07:05	4	1	1.10	I
8	V001	000	V001	8128983142	04-18-2015	07:16	1	1	1.10	GI
9	3001	000	V001	3001	04-18-2015	07:17	15	1	1.10	I
10	V001	000	V001	8128983142	04-18-2015	07:19	8	1	1.10	GI
11	V001	000	V001	3001	04-21-2015	08:20	1	1	1.10	GI
12	V001	000	V001	3001	04-21-2015	08:20	3	1	1.10	GI

Mobility – One Number Reach

- Same Extension number can be Registered on 3 Different Devices
- No lost call
- Receive Calls on Mobile while Being Away from Desk
- Office CLI Display Irrespective of Calling Location

Calling Steve on Office Phone

ETERNITY NENX

Office IP Phone
User ID: Steve
Password: Stv123

Mobile SIP Client
User ID: Steve
Password: Stv123

House Phone
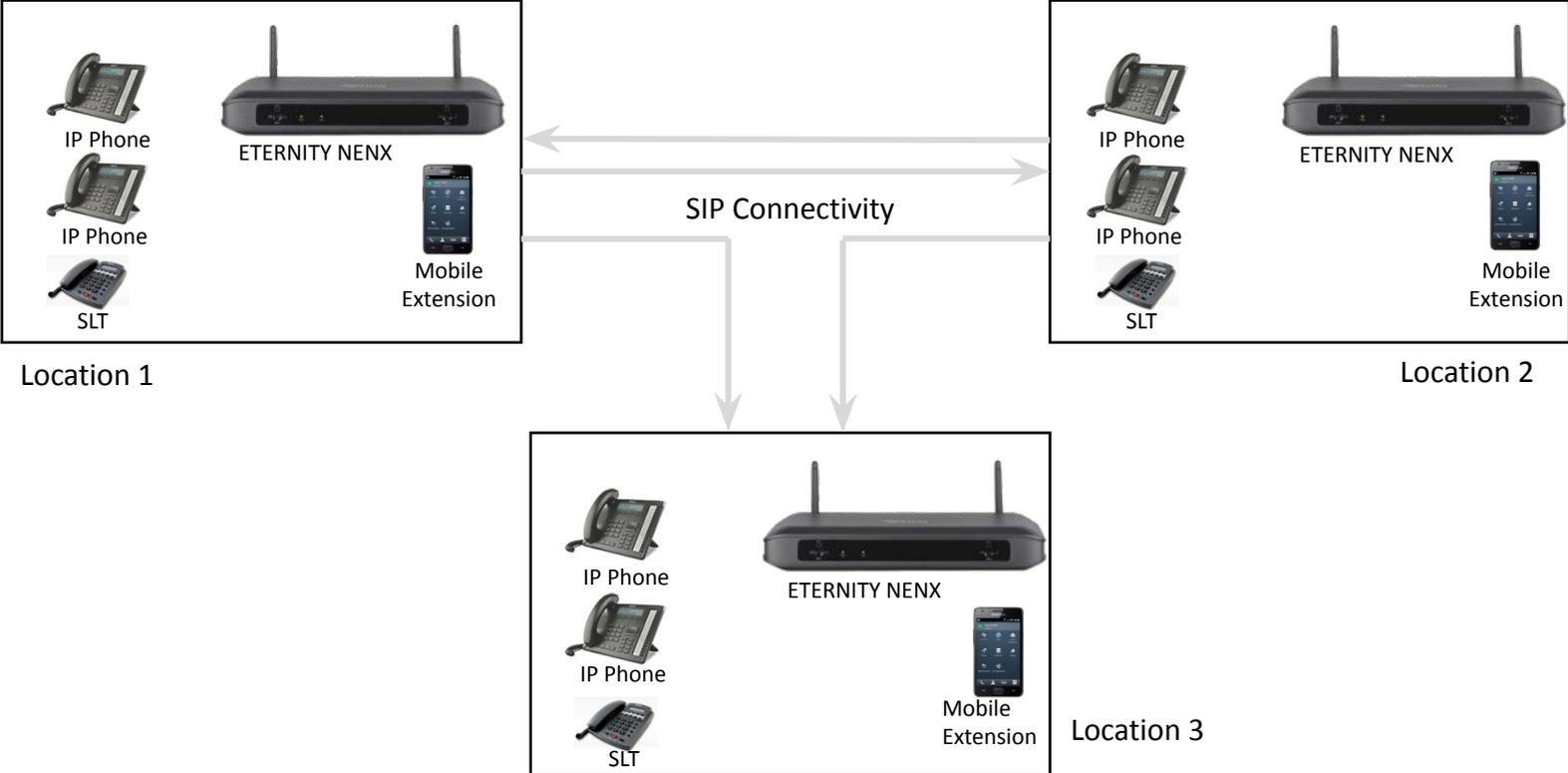User ID: Steve
Password: Stv123

12

Security Features: Protocols and Measures

- Web Login Restriction
- SRTP Functionality
- HTTPS Browsing
- Black List IP Address for Unauthorized Access

Multi-Branch Connectivity using IP Networking

IP Phone

IP Phone

SLT

ETERNITY NENX

Mobile Extension

Location 1

SIP Connectivity

IP Phone

IP Phone

SLT

ETERNITY NENX

Mobile Extension

Location 2

IP Phone

IP Phone

SLT

ETERNITY NENX

Mobile Extension

Location 3

14

Flexible Phone Options

IP Phones

Android/iOS
Softphone Clients

IP-DECT

Analog Phones

SIP Phones

PC Soft phones

Technical Specifications

Particulars	NENX312	NENX416	NENXIP50
FXO Ports (CO)	3	4	4
FXS Ports (SLT)	12	16	2
GSM/3G Ports	2	2	2
IP Users	50	50	50 (Built-in)
VoIP Trunks (SIP)	8	8	8
Max. VoIP CHNL	8	8	8
Max. VMS CHNL	4	4	4
Max. IP to IP Call	25	25	25
Max. IP to TDM Call	8	8	8
Conference	6 party	6 party	6 party
Video Calls	8	8	8

Technical Specifications

VoIP Protocol	SIP, SDP, RTP, SRTP
Network Protocol	IPv6, IPv4, TCP, UDP, DHCP, VLAN, DynDNS, PPPoE, QoS, STUN
Transport Protocol	UDP, TCP, TLS
Codec	G.711(A-law, μ-law), G.723, G.729AB, GSM-FR, iLBC
DTMF	RTP (RFC2833), SIP Info, IN-Band
LAN	1 × 10/100 Mbps
Voicemail	Yes
T.38 Fax	Yes
Max. External Storage	32GB
USB	1 (With Factory fitted 8 GB Pen-drive)
Power	24VDC 2.5Amp
Size	320.2 x 51.1 x 208.1 mm
Power Consumption	15W
Environment	Operation Range: 0°C to 45°C, Storage Range: -20°C to 65°C, Operating Humidity: 5-95% RH Non-Condensing
Mounting	1U Rack Mounting

Call Management Features

- Abbreviated Dialling
- Access Codes
- Account Codes
- Alternate Number Dialling
- Auto Answer
- Auto Call Back (ACB)
- Auto Redial
- Automatic Number Translation
- Barge-In
- Busy Lamp Field
- Call Back on Trunk Ports
- Call Chaining
- Call Duration Display
- Call Forward
- Call Forward-Remote
- Call Forward-Scheduled
- Call Forward-When Not Registered
- Call Hold
- Call Park
- Call Logs
- Call Pick Up

- Call Toggle
- Call Transfer
- Conference-3 Party
- Conference-Multiparty
- Dial-In Conference
- Department Call
- Dial by Name
- Distinctive Rings
- Do Not Disturb (DND)
- DSS Call Pick-Up
- Dynamic Lock
- Emergency Conference
- Emergency Detection and Reporting
- Emergency Dialling
- Flexible Numbers
- Follow Me
- Forced Answer
- Forced Call Disconnection
- Handover and Handoff
- Hotline Conflict
- Hot Desking

- Internal Call Restriction
- Last Caller Recall
- Last Number Redial
- Intercom
- Live Call Supervision
- Macros
- Mobility Extension
- Multi-Stage Dialing
- Mute
- Number Lists
- OFF-Hook Alert
- One Touch Transfer
- Paging
- PIN Dialling
- Pre-set Call Forward
- Quick Dial
- Raid
- Reminder
- Shared Call Appearance
- Dialling
- Call Progress Tones

Advanced Features

- Auto Attendant
- Conversation Recording
- Day Night Mode
- COSEC Integration
- BCCH Selection
- AC Impedance Test
- Holiday Table
- Direct Station Selection Console
- Gain Settings
- SMTP
- Flash Timer
- SMS Gateway
- Apple Push Notification Service Support
- Daylight Saving Time (DST)
- LDAP Client
- Direct Dialling-In (DDI)
- Logical Partition
- Music on Hold (MOH)
- Real Time Clock (RTC)
- PC/Laptop Telephony Integration
- Auto Sign-In for Softphones

- Remote Programming
- Cancel All Station Features
- Extended IP Phone/VARTA UC
- Client - Operation
- Power Fail Transfer
- Uploading Custom MoH
- Room Monitor
- Static Routing Table
- System Configuration
- Call Taping
- Time Zone Display
- Alarms
- Direct Inward System Access (DISA)
- License Management
- Presence and IM
- Selective Port Access
- Self-Ring Test
- SIM Card Balance and Recharging
- RCOC (Return Call to Original Caller)

Maintenance & Troubleshooting

- System Activity Log
- System Security
- VoIP Debug
- System Fault Log
- Configuration Backup/Restore
- VMS Debug
- System Log Notification
- Firmware Management
- System Details
- System Debug
- Default Settings
- PCAP Trace
- Restart the System
- Network Diagnosis
- Network Drive Settings

Call Routing / Trunking

- Closed User Group (CUG)
- Closed User Group-with Exchange ID
- Dial Plan for SIP Extension
- Least Cost Routing
- Trunk Auto Answer
- Trunk Call Waiting
- Trunk Reservation
- Class of Service (COS)
- CLI Based Routing

Stay Tuned & Subscribe
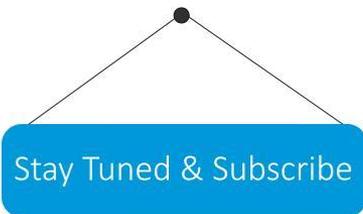
@Matrix Comsec

MatrixComSec

@Matrix_Comsec

@MatrixComSec

www.MatrixTeleSol.com