

APPLICATION NOTE - 34

Application: Matrix SETU Voice Gateways for Asterisk PBXs

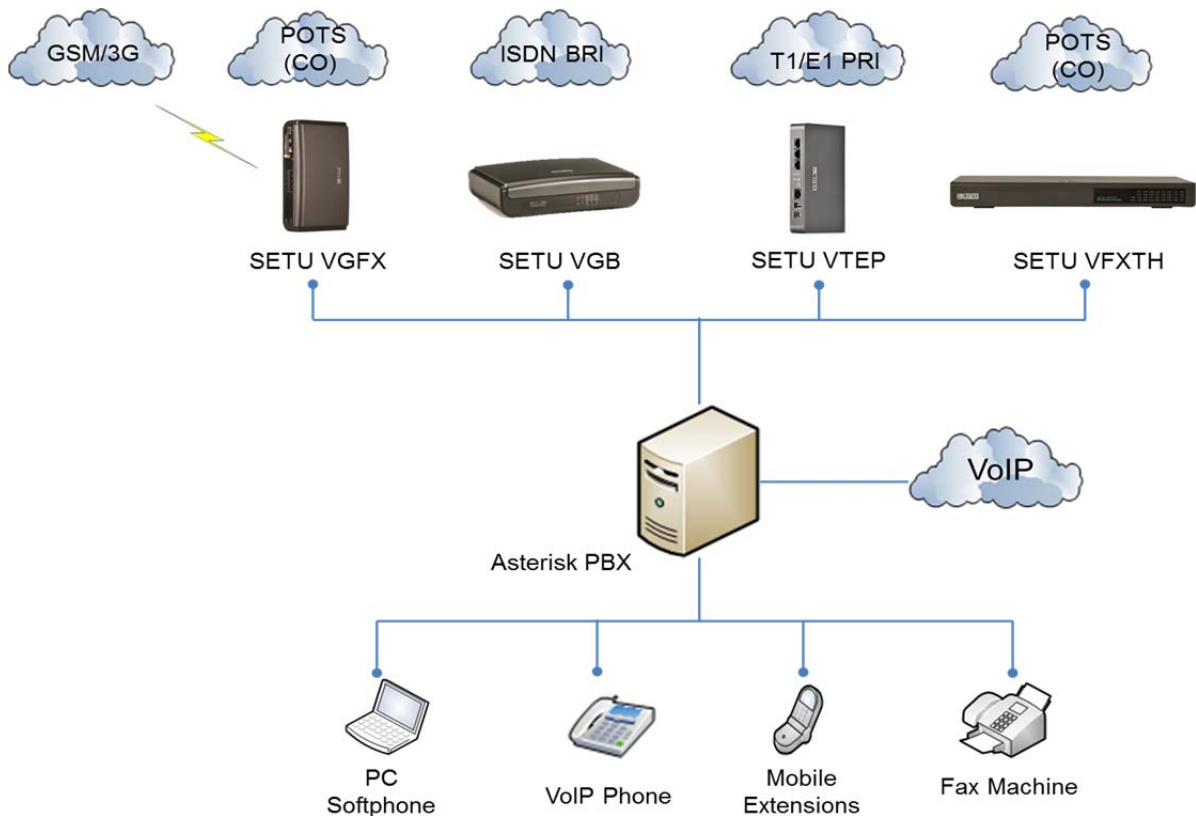
Introduction:

Asterisk is an open source software-based IP-PBX, runs on Linux, UNIX, Windows and Mac operating systems. Similar to traditional PBX, Asterisk provides telephony features such as intercom, IVR, voice mail, conferencing and IP telephony.

Primarily designed to work over IP, Asterisk subscribers are unable to take advantages of PSTN and GSM networks. Moreover, VoIP connectivity is not available everywhere. For businesses, project sites and areas with limited internet access, users need a Gateway device which can connect with Asterisk PBX and provide GSM, POTS and ISDN connectivity.

Matrix offers a wide range of fixed and scalable VoIP Gateways. These gateways easily integrate with Asterisk PBX and offer GSM/3G, ISDN BRI, T1/E1 PRI and POTS (CO) connectivity. In event of IP network outage, Matrix Gateways provide life-like access to reliable networks for business continuity. With wide range of connectivity options and least cost routing features, Matrix VoIP gateways provide cost benefits of GSM/3G and traditional telephony networks.

Application Scenario:







Key Features:

- High Density VoIP Call Support
- Scale VoIP Channels – Up to 512
- Peer-to-Peer Calling
- SIP Protocol (RFC3261)
- Range of Codecs for Superior Quality
G.711 (A/μ Law), G.723.1, G.729AB, GSM-FR, GSM-EFR, iLBC
- G.168 Echo Cancellation, Dynamic Jitter Buffer, VAD, CNG
- SRTP/TLS VoIP Security
- T.38 Fax over IP (FoIP)
- NAT and STUN
- VLAN Tagging
- SNMP Monitoring
- Web based Administration
- TR-069 Auto Configuration

Key Benefits:

- Multi-Site Connectivity
- Lower CAPEX and Early ROI
- Cost-effective and Reliable PSTN Connectivity
- Savings over expensive IP Terminal with FXS variants

Matrix VoIP Gateways: At-a-Glance:

			
SETU VFXTH	SETU VGFX	SETU VTEP	SETU VGB
<ul style="list-style-type: none"> › 32 SIP Accounts › 32 VoIP Channels › 32 FXO Ports › 32 FXS Ports 	<ul style="list-style-type: none"> › 9 SIP Accounts › 8 VoIP Channels › 4 GSM/3G Ports › 2 FXO Ports › 4 FXS Ports 	<ul style="list-style-type: none"> › 32 SIP Accounts › 32 VoIP Channels › 1 T1/E1 PRI Port › TE/NT Mode 	<ul style="list-style-type: none"> › 4 SIP Accounts › 2 ISDN BRI Ports › TE/NT Mode

Release	01-July-2014
Product Name	SETU Voice Gateways for Asterisk PBX
Hardware Version	
Software Version	