

# FreePBX Ecosystem

NOW BACKED BY 30 YEARS OF EXPERTISE  SANGOMA

**FreePBX is the world's most trusted open source platform for building the PBX of your dreams.** At its core, it is an open source web-based graphical user and configuration file writer that empowers companies that use Asterisk® PBX software to save time—making writing your own dial plans and configuration files much easier and letting you focus on other aspects of setup of your VoIP communications system.

From its initial introduction in 2004, when it contained only four database tables of configuration files for Asterisk, FreePBX has grown to encompass more than 219,000 lines of code and hundreds of tables. The FreePBX project now provides an entire open source platform and communications ecosystem that can not only ease installation by providing configuration files for Asterisk, but also provide support and ongoing updates to the entire system. Its ability to work in the cloud or on site lets you maximize flexibility while providing you the ideal PBX solution.



## Build a **FreePBX**

### The "Free" stands for Freedom.

With millions of production systems worldwide and 20,000 new systems a month installed, the FreePBX community continues to out-perform the industry's commercial efforts. Sangoma is proud to be the Sponsor of FreePBX and the FreePBX.org project. If you are new to FreePBX you can get started quickly by downloading and installing the FreePBX Distro. The FreePBX Distro is an all in one platform that installs everything you need to build a phone system. Once you have a basic PBX in place you can add Commercial modules to add advanced features to an already feature rich base install of FreePBX.

### Commercial Modules

#### WANT MORE? ADD COMMERCIAL MODULES.

FreePBX empowers your business with wide array of add-on modules that can enhance your VoIP communications experience. Created specifically to work with the FreePBX Distro, these modules provide advanced applications to help your business coordinate everything from appointments to call centers with ease.

Choose from single-application modules, such as the Voicemail or Call Recording Reports modules, to more comprehensive programs, such as the System Builder Plus or the Call Center Builder. These modules allow your business to coordinate your VoIP setup with more specific needs, all while providing seamless support for your communications systems. See our Commercial Modules brochure for more details.

⊕ Here are just a few of the modules available:



**Call Center Builder**



**High Availability  
Disaster Recovery**



**Extension Routing**



**PBX End Point  
Manager**



**SysAdmin Pro**



**Web CallBack**



**Outbound Call  
Limiting**






**Caller ID  
Management**



## Sangoma FreePBX Appliances

The only hardware solution to be **officially certified by the FreePBX project**, the FreePBX appliances are the optimal high-performance PBX solutions. Each one comes pre-loaded with FreePBX Distro to make deployment, configuration, and use of your PBX system even easier. Supported by Sangoma through FreePBX piece of mind packages, this is a cost effective solution to deploy FreePBX. There are a few different variations of the FreePBX appliance to choose from, dependent upon your business' individual needs:

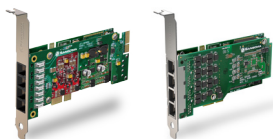
Model	Max. Capacity	Architecture	Memory	Storage	Network-ing	Console Access	Expansion	Options
<b>FreePBX Phone System 50</b> 	50 users or 25 calls	Atom 2 core	1GB	320GB	1 GbE	Yes	1 PCI	-
<b>FreePBX Phone System 100</b> 	100 users or 30 calls	Atom 2 core	2GB	360GB	6 GbE	Yes	2 PCIe	-
<b>FreePBX Phone System 300</b> 	300 users or 120 calls	Atom Mid 8 core	8GB	2x 360GB RAID1	6 GbE	Yes	2 PCIe	-

## Additional Hardware

In addition to the FreePBX software and appliances, there are a number of hardware options that can help you optimize your PBX solution. Sangoma provides a full line of products for your business to create a fully-functioning VoIP communications system.

### TELEPHONY CARDS

Sangoma's wide range of digital, analog, and data telephony cards have been engineered and used in Asterisk® solutions from the very beginning, and have become the standard by which other interface cards have been measured. Equally adept at handling the call density of the office or the call center, these premium telephony cards offer peerless clarity and reliability.



### VOIP GATEWAYS

The Vega Enterprise series features both FXS and FXO ports for PBX or PSTN solutions, providing resilient, upgradable, and fault-tolerant support for IP conversion. The NetBorder series offers a set of cost-effective all-in-one turnkey solutions that contain powerful transcoding capabilities and can support up to 256 lines simultaneously.



### SESSION BORDER CONTROLLERS

Carrier-quality enterprise session border controllers that provide reliable VoIP security for a wide range of enterprises, from the small business to the large corporation, the Vega SBCs can handle up to 500 sessions simultaneously, providing a secure connection point for SIP trunking, along with the flexibility, redundancy, and durability of a VM-ready solution.







# FreePBX Features

Legend:  Included with FreePBX  Add-On Modules

ACD (Automatic Call Distribution)/  
Call Queues  
Announcements  
Auto-Attendant/IVR  
Automatic Backup  
Black List  
Bulk Import Utilities  
Busy Lamp Field (BLF) Support  
Call Detail Reporting  
Call Flow Control  
Call Forwarding  
Call Monitoring  
Call Parking  
Call Recording  
Call Screening  
Call Spy  
Call Transfer  
Callback Services  
Caller-ID  
Camp-On  
Centralized User Management  
Company Directory  
Conference Rooms  
Customized Voice Prompts  
Dictation  
Direct Inward System Access (DISA)  
Do Not Disturb  
Extensions Management  
Fail2ban  
Fax to Email  
Feature Codes  
Follow Me  
Graphical Reports  
Hunt/Ring Groups  
Integrated Faxing  
Multiple Language Support  
Multiple Offices  
Multiple Trunks  
Music on Hold  
Operator Panel  
Outbound/Inbound Routes Management  
Paging and Intercom  
Phone Directory  
PINSets  
Remote Users  
SIP-Open Standards  
Soft-Phone Support  
Speed Dials  
SRTP  
System Status Dashboards  
Three Way Calling

Time Conditions  
TTS- Text to Speech  
Unlimited Extensions  
Unlimited IVR ports  
Unlimited IVR  
Unlimited VM Messages  
User Control Panel  
Video Calling  
VMX Locator  
Voicemail  
Voicemail to Email  
Wake Up Calls  
Web Based Administration GUI

## User Control Panel Features

Call Forward  
Call History  
Call Origination  
Call Waiting  
 Conferences Module  
 Device Management (Pro)  
 Fax (Pro)  
Follow Me  
Presence  
RSS Feeds  
Settings  
Visual Voicemail  
Voicemail  
Voicemail Greetings Management  
WebRTC Phone  
 XMPP Chat (Pro)

## Language Support


English  
Bulgarian  
Chinese  
French  
German  
Hebrew  
Hungarian  
Italian  
Japanese  
Portuguese  
Russian  
Spanish  
Swedish

## Supported Signaling Protocols

SIP  
IAX2  
PRI/T1/E1  
POTS/Analog

ISDN  
GSM

## Supported Voice Codecs

adpcm  
g711 alaw  
g711 ulaw  
g719  
g722  
g723  
g726  
g726aal2  
 g729  
gsm  
lilbx  
lpc10  
siren14  
siren7  
slin  
slin12  
slin16  
slin192  
slin24  
slin32  
slin44  
slin48  
slin96  
speex  
speex16  
speex32  
testlaw





## Supported Video Codecs



















h264  
h263p  
h263  
h261

## Specialty Device Support




Door Phones  
Failover Devices  
Overhead Paging  
Paging Gateways  
SBC Support  
Strobe Alerts  
Video Conferencing MCU  
Voice Gateways

## Commercial Modules















 Appointment Reminder  
 Broadcast  
 Caller ID Management  
 Call Recordings Report

 Class of Service  
 Conference Pro  
 EndPoint Manager  
 Extension Routing  
 Fax Pro  
 Outbound Call Limiting  
 Paging Pro  
 Park Pro  
 Phone Apps (Rest Apps)  
 Q-Xact Report  
 System Admin Pro  
 Virtual Queue Plus w/ Queue Callbacks  
 Voicemail Reports  
 Voicemail Notify  
 Web Call Back  
 XMPP Chat  
 High Availability (HA)  
 UCP for EPM






## Software Bundles

 System Builder  
 System Builder Plus  
 Call Center Builder

## FreePBX Phone Apps

 Call Flow  
 Call Forward  
 Conference Rooms  
 Contact Manager  
 Do Not Disturb  
 Login/Logout  
 Follow Me  
 Call Parking  
 Presence  
 Queue Agents  
 Queues  
 Time Conditions  
 Transfer to Voicemail  
 Visual Voicemail

## FreePBX Certified Add-ons

 iSymphony Operator Panel  
- i9 Technologies  
 Queometrics - Loway  
 Allison Smith - Professional Voice Services  
 Asterisk Software Add-ons  
- Digium  
 Bria Cloud Services  
- CounterPath

Our 30-year history, in building quality communications products on open standards, gives you access to the most comprehensive portfolio designed to help your business thrive in the FreePBX ecosystem through a single vendor.

**We make everything connect.**

**THE SANGOMA DIFFERENCE:**

- ✓ 30+ years expertise in IP Communications
- ✓ Microsoft Partner and Lync qualified
- ✓ Global network of staff and partners
- ✓ Dedicated professional services
- ✓ Canadian owned and operated

*"We rely on Sangoma to provide an unmatched level of reliability that helps ensure system stability, as well as delivering extremely clear voice quality to the users."*

Sanjay Jayani, IT Head, FASTTICKET

*"Sangoma Vega gateways have enabled us to provide high quality, low cost VoIP solution to our customers, while making our own services more profitable."*

Steven Mundy, CEO  
KBT Systems Corp.

*"We've found the engineering support to be fantastic."*

Michael Cassidy, The Via Group  
Empowered by Sangoma Reseller  
and Microsoft Gold Partner (U.S.)



Discover products & solutions designed for FreePBX today!

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