SANGOMA

PRODUCT GUIDE

COMPANY OVERVIEW

Sangoma is the primary developer and sponsor of Asterisk and FreePBX, the two largest open-source communications projects in the world. This innovation keeps Sangoma's commercial offerings at the cutting edge of VoIP security, reliability and UC functionality; and enables businesses, of all sizes, to communicate and connect better with customers through high-quality solutions with low total cost of ownership. Over 2.5 million customers use Sangoma UC products and services in over 150 countries

UC Business Phone Systems

SWITCHVOX

Switchvox isn't just another VoIP business phone system – unlike other vendors we use the same software for cloud, on-premise & virtual deployments; users can communicate & collaborate where & how they want at the office or remotely – all with a single app for multi-channel communication across different devices.

Switchvox Cloud

A fully managed service from Sangoma; sold by number of seats. Scalable to 1,000 seats; easy to deploy and scale with pre-provisioned phones. Sangoma manages system updates and end user support. Available as Month-to-Month, 12 Month or 36 Month contracts.

Switchvox Virtual

Use the power, scalability, and disaster recovery tools available with VMware or Hyper-V; eliminates the need for a dedicated PBX server.

Switchvox Hardware

Ensures your system administrator has direct control over the phone system, including updates and any additional integration that may be needed. Switchvox appliances feature a 1U or smaller footprint and can automatically connect to Sangoma gateways, session border controllers, IP phones, and SIP trunking services.

MODEL	E510	E525	E535	E545
Phones	150	400	700	1000
Concurrent Calls	50	100	200	200
Storage	SSD	SSD	SSD	Mirrored SSD
iDRAC	No	No	iDRAC8 Enterprise	iDRAC8 Enterprise

PBXact

PBXact is based on FreePBX and driven by the innovation of a very large community of developers; designed for advanced deployments where the installation environment requires complex configuration and customization. PBXact is commercially supported by Sangoma, and the software is tightly controlled by Sangoma engineers for ultimate performance. The same software is used for PBXact appliances, other hardware and virtually.

PBXact Software: Install PBXact on your own hardware or as a virtual machine

PBXact Hardware

MODEL	25/40	60	75	100	400 / 1200	2001
Ideal For	Small Businesses	Branch or Small office	SMBs and Branch Office Locations	Mid-size and Branch Office Locations	Contact Centre or Enterprise Office deployments	Large Contact Centre or Enterprise Office deployments
User / Call Capacity	25: 25 Users / 15 Calls 40: 40 Users / 30 Calls	60 Users / 40 Calls	75 Users / 45 Calls	100 Users / 60 Calls	400: 400 Users / 150 Calls 1200: 1200 Users / 350 Calls	2000 Users / 1500 Calls
PCI Express Slots	N/A	2 PCI Express Slots	1 PCI Express Slot	2 PCI Express Slots	4 PCI Express Slots	None Available - See Vega Gateways for Connectivity
Network / Management Ports	4 x GB Network / 1 x Serial Console (RJ45) / 1 x VGA	3 x GB Network / 1 x Serial Console (RJ45) / 1 x VGA	3 x GB Network / 1 x Serial Console (RJ45) / 1 x VGA	3 x GB Network / 1 x Serial Console (RJ45) / 1 x VGA	6 x GB Network / 1 x Serial Console (RJ45) / 1 x VGA	2 x GB Network / 3 x USB / 1 x Micro USB / 1 x Serial Console (RJ45) / 1 x VGA

Opensource

Asterisk is the world's most widely used open source framework for building communications applications. Asterisk essentially turns an ordinary computer into a communications server.

FreePBX is built on Asterisk and is the world's most widely used open source PBX software. It is an all-in-one IP PBX that is completely free to download and install and includes all the basic elements needed to build a phone system.

Endpoints

D-Series High End IP Phones

Offer the tightest integration possible with Sangoma UC phone systems. D-Series phones feature simple setup and provisioning with plug-and-play installation.

	D80 Executive-level	D65 Mid-level	D62 Entry-level, Gigabit	D60 Entry Level
Main Display	HD 7.0 inch colour capacitive touch	4.3 inch, colour	4.3 inch, colour	4.3 inch, colour
Line Registrations	6	6	2	2
Feature keys	Touch-screen	4	4	4
Rapid Dial/BLP Keys	Up to 20 on-screen, scrolling 100 contacts	Up to 5 keys 100 contacts	Up to 1 key 1 contact	Up to 1 key 1 contact
Ethernet LAN and PC Port	10/100/1000Base-T	10/100/1000Base-T	10/100/1000Base-T	10/100Base-T
Built-in Bluetooth	✓	✓	No	No
Power over Ethernet (PoE)	✓	✓	✓	✓
Advanced Phone Apps	✓	✓	✓	✓

S-Series Mid Range IP Phones

S-Series phones can be quickly and easily used right out of the box, featuring Zero-Touch auto provisioning. All you need to do is plug them into an Internet connection, wherever you are in the world, and the redirection service will automatically pair the phone with the phone system and configure it.

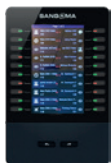|	S705	S505	S406	S305	S206
Main Display	4.3 inch, colour	3.5 inch, colour	2.7 inch, graphical LCD with backlight	192x64 pixel graphical LCD with backlight	128x40 pixel graphical LCD with backlight
Line Registrations	6	4	3	2	2
Rapid Dial/BLP Keys	Up to 9 keys, scrolling 45 contacts	Up to 7 keys, scrolling 35 contacts	Up to 5 keys, scrolling 25 contacts	Up to 3 key, scrolling 15 contact	Up to 1 key, scrolling 1
Ethernet LAN and PC Port	10/100/1000Base-T	10/100/1000Base-T	10/100/1000Base-T	10/100Base-T	10/100Base-T
Advanced Phone Apps	✓	✓	✓	✓	No
Bluetooth & WiFi	✓	No	No	No	No
Power over Ethernet (PoE)	✓	✓	✓	✓	✓
Expansion Module Option	✓	✓	No	No	No
EHS Module (optional)	✓	✓	✓	No	No

P310 & P315 VALUE-BASED PHONES

The essential features you need at the best price point. Perfect for anyone that needs reliable, basic calling functionality or needs a lot of phones in one place.
2.4" 320x240 Backlit Colour Display; 2 SIP Accounts; Headset & EHS Support; 2x Lock Ports (Kensington)
P310 – Fast Ethernet 10/100; P315 – Gigabit Ethernet 10/100/1000

SIDECARS / EXPANSION MODULE

- 160x320 graphic LCD display; 20 keys with 40 programmable features
- EXP100: compatible with s505 and s705 IP phones
- EXP150: compatible with D65 IP phone

H20/H10 HEADSET

- Automatic provisioning with D & and S Series Phones
- Enables answer/disconnect capabilities directly from headset
- Compatible with the Switchvox Soft phone and Desktop Softphone*
- DECT technology enables up to 100m distance from cradle
- Full day battery life
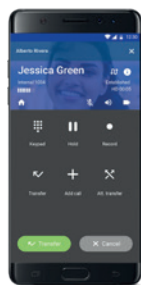
*H10 does not have softphone support

DC201 DECT PHONE

- Up to 8-Hour Talk Time and 75-Hour Standby
- Each Base Station supports up to 20 DECT Cordless Handsets
- 5 Concurrent Calls per base station
- Up to 50 meters of Indoor range
- Auto-provisioning for Switchvox
- Basic Call Control
- Access to internal directory

UC CLIENT APPS

Desktop and smartphone softphone collaboration clients that integrate seamlessly with our UC solution offerings and deliver UC features.

Sangoma Connect Mobile Softphone (iOS and Android)

Desktop Software (Windows and Mac)

Sangoma Meet - Video Conferencing

- Start or schedule a meeting from apps, website, Slack
- Password automatically created for every meeting
- Calendar integration - Office 365 and Google Calendar
- Works in any WebRTC compatible browser

Full integration with Switchvox: Upgrade to a video call at the push of a button.

SANGOMA UNIVERSITY

Comprehensive selection of both Online and Classroom technical training courses for partners and customers. Three levels of certification: Certified Essentials; Certified Professional and Certified Administrator.

SUPPORT & PROFESSIONAL SERVICES

Sangoma offers a complete range of services, including technical support, software maintenance, training, deployment, and consulting services.

NETWORK CONNECTIVITY

Enterprise VOIP Gateways

Digital and analogue VoIP gateways are most popularly used by businesses with a legacy phone system that want to seamlessly connect to a SIP trunking service without having to change their infrastructure, keeping costs down. They can also be used by VoIP-enabled businesses that want to connect to the PSTN for failover or utilise legacy analogue equipment, such as telephones and fax machines, in their IP network.

Digital

Vega 100G	1-port T1/E1/PRI, up to 30 simultaneous calls
Vega 200G	2-port T1/E1/PRI, up to 60 simultaneous calls
Vega 400G	4-port T1/E1/PRI, up to 120 simultaneous calls. Field upgradable licensing. Built-in bypass ports for failover
Vega 60G BRI	2 or 4 port BRI appliance, up to 8 simultaneous BRI call
Vega 60G FXO	4 or 8 Port analogue for connecting to networks
Vega 60G FXS	4 or 8 Port analogue for connecting to phones

Analogue

Vega 60G	4 Port FXO and 4 Port FXS analogue
Vega 3000G	24 port FXS telephone ports
Vega 3050G	50 port FXS telephone ports

High Density Gateways

IMG 2020 Integrated Media Gateway
Signalling and media in a single carrier-grade chassis delivering SIP services into SS7, SIGTRAN, PRI, and SIP-I networks with session border controller (SBC) functionality. From 128 to 2016 channels, STM-1 fibre connection

Session Border Controllers

SBC will allow you to connect your remote workers and SIP trunk(s) securely to your phone system without compromising security, automatically detecting VoIP threats, and taking action. Sangoma SBCs can automatically translate codecs and audio with built-in interoperability and transcoding capabilities.

SBC Software Only Solution – Up to 1000 Simultaneous Calls
SBC Hardware

SMB SBC
Small to Medium Business SBC
›› 5 - 30 simultaneous calls

Enterprise SBC
Medium to Large Business SBC
›› 25 - 250 simultaneous calls

Netborder SBC
Large Business SBC
›› 250 - 4000 simultaneous calls

Telephony Cards

Highly compatible and customisable Digium and Sangoma cards support ALL key analogue and digital standards for both Voice and Data (POTS, T1/E1/J1, BRI, PRI, CAS, R2, SS7 and DATA WAN protocols)

Transcoding Cards

Add transcoding capabilities to existing Asterisk, FreePBX, PBXact, or API environments. Simply plug the cards into an available PCI-Express slot, and you have G.729, G.726, G.723.1, G.722, and iLBC transcoding, without affecting CPU resources.

Dialogic Media

All Dialogic boards feature onboard CPU with large RAM and powerful FPGA chip for fast data streaming between the host CPU, the DSPs, the phone line, and the other active components onboard.
Diva T1/E1/PRI, BRI and Analogue boards; JCT Media boards; DNI Boards - native PSTN interface to Dialogic PowerMedia HMP Software and compatible with DSI SS7 Protocol Stacks

SIPSTATION POWERED BY SANGOMA®

SIP Trunking*

Session Initiation Protocol (SIP) allows for virtual phone line trunks, eliminating unnecessary analogue and ISDN lines.

SIPStation available in month-to-month, 12 month or 36 month plans. Unlimited Calling Plans to UK Fixed, UK Mobile and USA numbers.

*Currently only available in the UK

FOR MORE INFORMATION

Visit our website:
www.sangoma.com

Call us:
+(0)1344 269220

Email us:
europe@sangoma.com

SANGOMA