



Sangoma



# P-Series Phones

Feature-Rich Desk Phones Designed for Sangoma's Suite of Communication Solutions including CommUnity, Switchvox, Business Voice, Asterisk, FreePBX, and PBXact

Brochure

# Sangoma P-Series

FULLY-FEATURED IP PHONES

## All Models Include

- Full-color display screens
- High definition audio
- Customizable Busy Lamp Field (BLF) Keys
- Power Over Ethernet (POE)
- Electronic Hookswitch for wireless headsets (i.e. Sangoma H10 and H20)
- Lock ports to ensure physical security
- Real-time presence
- Contacts
- Transfer & conference calls
- Zero Touch Provisioning for all Sangoma platforms



Sangoma's line of P-Series phones are designed to deliver the features you need for every user type at a competitive price point. **Adapt to loud environments** with state-of-the-art quality components that guarantee loud, crisp, and clear high-definition audio. You get a beautiful bright screen regardless of where you stand. All models bring advanced **built-in applications for productivity** that include voicemail, call log, contacts, user presence, parking, and more\*.

Offering the tightest integration possible, they incorporate **plug-and-play deployment** with auto-provisioning, saving you valuable time. Users have one Sangoma phone for any Sangoma PBX/UC platform, so you can mix platforms between offices and keep the same look and feel. Upgrade from previous Sangoma phones to the latest generation easily - **no extra training required!**

The P-Series phones are the only desk phones designed to be fully compatible across Sangoma's communications portfolio, further enhancing their value and allowing partners to stock and support only one Sangoma phone product line. Built with environmentally friendly materials, the P-Series have a **lower cost of entry** for price-sensitive opportunities.

\*Limited on P310/P315

# Meet The P-Series Line

Designed For Sangoma UCaaS Solutions like CommUnity, Switchvox, Business Voice, Asterisk, FreePBX, and PBXact



The perfect fit for offices, education (schools, colleges), manufacturing floors, stores, and where you simply need reliable calling functionality. The **P310** and **P315** models are identical aside from their network capabilities. The P310 operates at 100Mbps while the P315 operates at 1000Mbps Gigabit speeds.

The mid-range line includes a large, all-around visible 4.3 inch 480x272 color IPS display for use with built-in business applications. The **P320** starts the mid-range with 4-line keys programmable for VoIP accounts or as BLF with speed dial to direct-dial or monitor an extension. The **P325** delivers 6-line keys, a paging key for 20 pages of virtual keys. The **P330** adds to the P325 with 12 line keys, Bluetooth, and 2.4/5GHz WiFi for a wire-free network setup. It also supports the **PM200** expansion sidecar, a 20-key attendant console.

For the executives that prefer sleek desktop presence in the office, the beautifully designed **P370** delivers with a large 7.0" 800x1280 color IPS touchscreen display, 16 lines (software), Bluetooth and WiFi Support, built-in business applications, and support for the **PM200** expansion sidecar, a 20-key attendant console.

	<b>P310 &amp; P315 Value Models</b>	<b>P320, P325, P330 Mid-Range Models</b>	<b>P370 Executive Model</b>	<b>PM200 Expansion Module</b>
Display	2.4" 320x240, Color	4.3" 480x272, Color, IPS	7.0" 800x1280, Color, IPS, Touch	4.3" 272x480, Color IPS
Touchscreen	No	No	Yes	No
SIP Accounts	2	P320: 4; P325: 6 P330: 12	16 (using soft-keys)	N/A
Programmable Keys (for Speed Dial / BLF or more SIP accounts)	2	P320: 4 P325: 6 P330: 12	16 (using soft-keys)	2 rows of 10 keys
Virtual Pages of Added Functionality	N/A	P320: N/A P325: 20 P330: 10	Up to 20 features/ favorites on screen, with scrolling to 100	20 keys and 3 pages
Ethernet LAN	P310: 100 Mbps P315: Gigabit	Gigabit	Gigabit	N/A
Bluetooth and Built-in Wi-Fi (2.4/5G/802.11n)	No	P320 & P325: No P330: Yes	Yes	N/A
Expansion Module Support	No	P320 & P325: No P330: Yes	Yes	Yes

\*Some apps require server-side support that may vary between platforms.



# Add-Ons & Accessories

## Attendant Console & Headsets

For users that need to track and dispatch high volumes of calls, the PM200 attendant console makes life easy. With 20 programmable keys (two columns of 10 paging keys) and two pages of targets per console that complement the main phone display, productivity is greatly improved. Key features include a 4.3" 272x480, Color, IPS display, compatibility with the Sangoma P330 and P370, and the capability to add up to 6 PM200 sidecar modules for a total of 240 extra keys.



## PM200

ATTENDANT CONSOLE



For today's workforce, our headsets deliver the right communication experience for each user. Offering both wired and wireless options for roaming freely, you can stay productive without missing a beat. Our headsets are designed to work with Sangoma's select desk phones, softphones, video conferencing, and collaboration tools. They offer high-quality audio with exceptional noise cancellation and premium comfort.

## Headsets

WIRED & WIRELESS

# Highly Integrated Productivity Apps

All P-Series Desk Phones are Designed with Built-in Enhanced Applications\* That Take Communication to the Next Level



SPECIFIC APP AVAILABILITY VARIES BY MODEL



## Context-sensitive Phone Books

Show device state, presence, monitor, intercom and more.



## Call Queues

Login, Logout, Pause, Resume. See queue overview statistics and queue member details.



## Call Recording

Record calls and forward if needed. Call recording is system initiated so everything is centrally saved.



## PIN-based Hot-Desking

Log-in or Log-out of any desk phone by simply using voicemail PIN.



## Visual Voicemail & Screening

See who called, with call-back, playback, read/unread toggling and forwarding.



## Conference Call Management

See who's talking, mute and unmute, user and all-kick functions.



## Call Parking Including Retrieval

Park a call, view or retrieve. Call Parking is system initiated so everything is done centrally.



## Call Logs

Calls made by users on any device, not just the desk phone.

\* P310/P315 phones have limited applications.  
Not all applications are supported on all UC platforms

# Technical Specifications

## MODEL SPECIFICS

### P310 & P315

#### User Interface

- 2.4 in 320x240 px backlight color LCD
- 2 line appearance keys
- 4 feature keys
- 4 context-sensitive soft keys
- 6-key navigation controller
- 3-color LED msg waiting indicator
- Volume control

#### Connections

- 4P4C (RJ-9) handset/headset jack
- 2 switched 10/100 Mbps Ethernet ports (P310)
- 2 switched 10/100/1000 Mbps Ethernet ports (P315)
- 12 volt 1.6A DC power port
- 2 lock ports
- Electronic hookswitch signaling port

#### Box Dimensions

- 11.93" x 8.2" x 3.5", 2.4 lbs

#### Software Minimum Version

- Switchvox >=7.7
- FreePBX & PBXact with Endpoint Manager

### P320, P325, & P330

#### User Interface

- 4.3 inch, 480 x 272 pixel backlit color IPS LCD display
- SIP Accounts — P320: 4; P325: 6; P330: 12
- Rapid dial page scroll key for virtual keys: P320: no; P325/P330: yes
- 6 feature keys
- 4 context-sensitive soft keys
- 6-key navigation controller
- Backlit headset, speaker & mute keys
- 3-color LED message

#### Connections

- 4P4C (RJ-9) handset/headset jack
- 2 switched 10/100/1000 Mbps Ethernet ports
- USB-A 2.0 ports: P320/P325: 1; P330: 2
- 12 volt 1.6A DC power port
- 2 lock ports
- Electronic hookswitch signaling port

#### Box Dimensions

- 12.3" x 9.0" x 3.5", 3.0 lbs

#### Software Minimum Version

- Switchvox >=7.7
- FreePBX & PBXact with Endpoint Manager

### P370

#### User Interface

- 7.0 inch, 800 x 1280 pixel backlit color IPS LCD display
- Multi-point capacitive touch
- 16 line appearances (software)
- Feature and context-sensitive functions
- Dedicated touch control with backlight for Headset, Speaker, Mute, and without backlight for Volume functions
- 3-color LED message waiting indicator (MWI)

#### Connections

- 4P4C (RJ-9) handset/headset jack
- 2 switched 10/100/1000 Mbps Ethernet ports
- 2 USB-A 2.0 ports
- 12 volt 1.6A DC power port
- 2 lock ports
- Electronic hookswitch signaling port

#### Box Dimensions

- 11" x 9.0" x 3.5", 2.7 lbs

#### Software Minimum Version

- Switchvox >=7.7
- FreePBX & PBXact with Endpoint Manager

## SERIES SPECIFICS

### Phone Applications

- Visual Voicemail<sup>1</sup>
- Contacts
- Presence/Status
- Call Log
- Parked Calls
- Call Queues<sup>2</sup>
- Info
- Forward Calls
- Conference App<sup>2</sup>
- Hot Desking<sup>3</sup>

### Phone Features

- Auto-answer
- Headset-answer
- Headset-ring
- Distinctive ring
- Custom ringtones
- Call waiting
- Call transfer (unattended/attended)
- Call forward
- Call hold
- Call parking
- Call pickup
- Intercom/Paging

- Message Waiting Indication (MWI)
- Busy Lamp Field (BLF)
- 3-way conferencing
- Do Not Disturb (DND)
- Redial
- Call timer
- Caller ID display

### Audio Support

- Handset, speaker, and headset modes
- Handset, hands-free, and headset modes
- Full-duplex HD speaker phone with echo cancellation
- Hearing aid compatible
- Multicast audio playback
- Wideband: G.722
- Narrowband: G.711 (ulaw/alaw), G.726, G729a

### Network Support

- Static or DHCP IP address assignment
- NTP time synchronization
- Priority queuing

- VLAN, LLDP, NAT traversal, QoS
- 802.1X pass-through
- 802.1X authentication

### Language Support

- Dutch, English, French, German, Italian, Spanish, Portuguese, Russian

### SIP/VoIP Support

- SIP v2
- TLS/SRTP
- DTMF, RFC4733
- SIP peer-to-peer
- SIP presence (SUBSCRIBE/NOTIFY)
- Per-account digit map/dial plan
- DialusingSIPURI
- Dial using SIP server
- Secure SIP authentication

### Provisioning

- CommUnity
- Switchvox Cloud & Prem
- Business Voice/Voice +
- FreePBX & PBXact Endpoint Manager
- DPMA Deskphone Module for Asterisk
- DHCP Option 66
- XML Configuration

### Management

- Firmware update via browser
- Factory restore via UI
- Remote logging via syslog

### Regulatory Comp.

- CE Mark
- FCC Part 15, Class B

### Max Power

- P310/315: 2.5W
- P320/P325: 4.5W, 9.5W with USB
- P330: 8.2W, 5W per USB, 18.2W total

### Operating Conditions

#### Temperature

- +32 to 122F/0to50C

#### Relative Humidity

- 5% to 95% non-condensing

### Storage Temp

- 4 to 160F / -20 to 70C

### Warranty

- One Year

<sup>1</sup>Visual Voicemail not supported on P310/P315 models  
<sup>2</sup>Call Queues and Conferencing not supported on all models  
<sup>3</sup>Some features are UC platform specific; not all platforms support all phone features



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