P-Series IP Phones

Sangoma's 3rd Generation of Feature-Rich Desk Phones

| Datasheet

Sangoma's line of P-Series phones is designed to deliver the features you need, at price points perfect for every type of user, and every type of business. All models: have color screens, have high definition voice, are headset-ready, provide plug-and-play deployment, and have built-in productivity applications including call log, contacts, user presence/status, parking and more. The P-Series phones are the only desk phones designed to be fully compatible across Sangoma's communications portfolio, further enhancing their value.*

P-Series

	P310 & P315 Value Models	P320, P325, P330 Mid-Range Models	P370 Executive Model	PM200 Expansion Module
Display	2.4" 320x240, Color	4.3" 480x272, Color, IPS	7.0" 800x1280, Color, IPS, Touch	4.3" 272x480, Color, IP
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.

Learn more at *www.sangoma.com/phones*

Phone Specifications

P310 & P315

User Interface

- 2.4 in 320 x 240 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 >=7.9
- 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 >=7.9
- FreePBX & PBXact with Endpoint Manager

Series Specifications

Phone Applications

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

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

Audio Support

- Handset, hands-free, and headset modes
- Full-duplex HD speakerphone with echo cancellation
- Hearing aid compatible
- Multicast audio playback
- Wideband: G.722
- Narrowband: G.711ulaw/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
- OpenVPN Client

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

- Temperature: +32 to 122F/0to50C

Relative Humidity

- 5% to 95% non-condensing

Storage Temp

- -4 to 160F / -20 to 70C

Warranty

- One year

[1] Visual Voicemail not supported on P310/P315 models

[2] Call Queues and Conferencing not supported on all models

[3] Some features are UC platform specific; not all platforms support all phone features

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