



P-Series IP Phones

Hybrid Working with Sangoma's UC Client Tools

Datasheet

Sangoma's line of P-Series phones are designed to deliver the features you need, at price points perfect for every type of user, and every type of business. All models include colour screens, high definition voice, are headset-ready, provide unprecedented plug-and-play deployment, and have built-in productivity applications including voicemail, call log, contacts, phone status, user presence, parking and more. Sangoma's P-Series phones are the only phones that are compatible across Sangoma's communications as a service 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, Colour	4.3" 480x272, Colour, IPS	7.0" 1280x800, Colour, IPS, Touch	4.3" 480x272, Colour, 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 * with pagination key	N/A	P320: N/A P325: 20* P330: 10*	Up to 20 features/ favorites on screen, with scrolling to 100	20 keys and 2 pages
Ethernet LAN and PC Port	P310: 100 Mbps P315: 1000 Mbps (Gb)	1000 Mbps Gigabit	1000 Mbps (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.

Phone Specifications

P310 & P315

User Interface

- 2.4 in 320x240 px backlight colour LCD
- 2 line appearance keys
- 4 feature keys
- 4 context-sensitive soft keys
- 6-key navigation controller
- 3-colour 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 >=14 with Endpoint Manager (latest)

P320, P325 & P330

User Interface

- 4.3 inch, 480 x 272 pixel backlit colour 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-colour 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 >=15 with Endpoint Manager (latest)

P370

User Interface

- 7.0 inch, 800 x 1280 pixel backlit colour 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-colour 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 >=15 with Endpoint Manager (latest)

Series Specifications

Phone Applications

- Visual Voicemail¹
- Contacts
- Presence/Status
- Call Log
- Parked Calls
- Call Queues²
- Info
- Forward Calls
- Conference App²
- Hot Desking³

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, G.729a

Network Support

- Static or DHCP IP address assignment
- NTP time synchronisation

- 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

- Business Voice/Voice +

- Switchvox Cloud & Prem
- Sangoma Endpoint Manager for PBXact and FreePBX
- 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