

# Die Telefone der P-Serie

Leistungsstarke,  
funktionsreiche  
Steuerung Telefone  
für Sangoma

## Datenblatt

Die Telefone der P-Serie von Sangoma bieten Funktionen, zu einem Preis, der für jede Art von Benutzer und jedes Unternehmen geeignet sind. Alle Modelle verfügen über Farbbildschirme, high definition Sprache, sind Headset-fähig, bieten eine beispiellose Plug- and-Play-Unterstützung und verfügen über integrierte Anwendungen wie Voicemail, Anrufprotokoll, Kontakte, Telefonstatus, Anwesenheitsstatus, Parken und mehr. Die Telefone der P-Serie von Sangoma sind die einzigen Telefone, die mit dem gesamten Communications-as-a-Service-Portfolio von Sangoma kompatibel sind.\*



### 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" 1280x800, Color, IPS, Touch	4.3" 480x272, 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 * 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

\* Einige Anwendungen erfordern serverseitige Unterstützung, die von Plattform zu Plattform unterschiedlich sein können

# Telefonspezifikationen

## P310/P315 Value phones

### 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
- ⦿ Headset, speaker, and mute keys
- ⦿ 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

### Dimensions/Weight

- ⦿ 11.93" x 8.2" x 3.5", 2.4 lbs

### Software Minimum Version

- ⦿ Switchvox >=7.7
- ⦿ FreePBX & PBXact >=14 with Endpoint Manager (latest)

## P330, P325, P320 Mid-Range Phones

### User Interface

- ⦿ 4.3 inch, 480 x 272 pixel backlit color IPS LCD display
- ⦿ SIP Accounts — P330: 12; P325: 6; P320: 4
- ⦿ Rapid dial page scroll key for virtual programmable keys: P330/P325: yes; P320: no
- ⦿ 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

### Dimensions/Weight

- ⦿ 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 Executive-Level Phone

### 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

### Dimensions/Weight

- ⦿ 11" x 9.0" x 3.5", 2.7 lbs.

### Software Minimum Version

- ⦿ Switchvox >=7.9
- ⦿ FreePBX & PBXact >=15 with Endpoint Manager (latest)

# Telefonserienspezifikationen

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

## Audio Support

- ⦿ Handset, hands-free, & headset modes
- ⦿ Full-duplex HD speakerphone with echo cancellation
- ⦿ Hearing aid compatible
- ⦿ Multicast audio playback
- ⦿ Wideband: G.722
- ⦿ Narrowband: G.711 ulaw/alaw, G.726, G.729a

## 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
- ⦿ Dial using SIP URI
- ⦿ 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
- ⦿ P370: 8.5W, 5W per USB, 18.5W total

## Operating Conditions

### Temperature

- ⦿ Temperature: +32 to 122F / 0 to 50C

### 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