



## s305 IP Phone Full Featured & Cost Effective



Designed to work with FreePBX and PBXact, Sangoma IP phones are so smart you can quickly and easily use them right out of the box. The Sangoma S305 is a full feature set phone with 2 SIP accounts at a competitive price point. These phones can quickly locate FreePBX / PBXact as soon as they are plugged into an Internet connection, and become automatically provisioned within seconds! – true Zero Touch Configuration.

The S305 features industry standard Power-over-Ethernet (PoE), so no power cable or outlets required. It has full duplex speakerphone, dual Ethernet ports, 5-way conference calling, high definition (HD) voice quality and built-in Virtual Private Network (VPN) capability.

- ✓ **2x SIP Accounts**
- ✓ **5-way Conferencing**
- ✓ **192 x 64 Pixel Graphical LCD with Backlight**
- ✓ **15 Programmable Soft Keys**
- ✓ **PhoneApps Included**
- ✓ **Built-in VPN for Plug & Play Security for Remote Users**
- ✓ **Optional 3-year Advanced Hardware Replacement Plan**

### **Zero Touch Provisioning**

VoIP telephones can be complex to install, and manually configuring many different parameters and hundreds of extensions can take hours. When you buy and install your Sangoma IP phones, the redirection server automatically points the phone to the Sangoma FreePBX / PBXact for configuration.

### **EndPoint Manager Included**

When using a Sangoma phone, EndPoint Manager software inside FreePBX / PBXact is automatically enabled. This lets your users control global settings, program their phone keys, map extensions, upload images, download new firmware, and much more.

### **Full Integration with PhoneApps**

PhoneApps are a bundle of advanced applications (or features), which install directly onto your IP Phone, converting all your complicated features into easy-to-use visual applications, which you control, directly from the phone's display!

See what makes PhoneApps so different from other IP phone vendors, visit: [Sangoma.com/phoneapps](http://Sangoma.com/phoneapps)

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|--------------------|-------------------|-------------------------|---------------------|
| - Call Parking     | - Call Forwarding | - Queue Agents          | - Call Flow Control |
| - Follow Me        | - Time Conditions | - Transfer to Voicemail | - Contacts          |
| - Do Not Disturb   | - Presence        | - Visual Voicemail      |                     |
| - Conference Rooms | - Queues          | - Login / Logout        |                     |



# Technical Specifications

## General Features:

- 2x SIP accounts
- Call hold, mute, DND
- One-touch speed dial, hotline
- Call forward, call waiting, call transfer
- Redial, call return, auto answer
- 5-way conferencing
- XML Browser
- Direct IP call
- Custom ring tones / provisioning
- Set date time automatically or manually
- Dial plan per account
- Action URL/URI

## IP-PBX Features:

- Busy Lamp Field (BLF)
- Call park / pickup
- Music on hold
- Voicemail
- Anonymous call / rejection
- Message waiting indicator
- Intercom, paging
- Follow me / DND
- Conference rooms
- Time conditions
- Queues
- Presence
- Queue agents
- Hot-desking
- Call flow
- Contacts

## Voice Codecs Features:

- HD voice: HD handset, HD speaker
- Codecs
  - iLBC, G.722, G.711(A/fi), GSM\_FR, G.723, G.729AB, G.726-32, Opus
- DTMF
  - In-band, RFC 2833, SIP INFO
- Full-duplex hands-free speakerphone with AEC
- VAD, AGC, CNG, AEC, PLC, AJB

## Display & Indicator:

- 192 x 64 pixel graphical LCD with backlight
- LED for call and message waiting indication
- Caller ID with name, number and photo
- Dual-color illuminated LEDs for line status information

## Feature Keys:

- 4 line keys with dual-color LED: 15 programmable features (5-pageview)
- 6 feature keys: headset, speaker, hold, mute, transfer, conference
- 6 navigation keys
- 4 context-sensitive "soft" keys
- Volume control keys

## Interface:

- Dual-port 10/100 Mbps Ethernet
- 1x RJ9 (4P4C) handset port
- 1x RJ9 (4P4C) headset port
- Power over Ethernet (IEEE 802.3af) (PoE), class 2

## Management:

- Configuration
  - Browser / LCD-menu / auto-provision
- Auto-provision via HTTP / HTTPS, FTP / TFTP
- Auto-provision with PnP
- Login / Logout (Hot-desking)
- Reset to factory, restart, reboot
- Local tracing log export, system log
- Phone lock for personal privacy protection

## Network & Security:

- SIP v1 (RFC2543), v2 (RFC3261)
- SIP server / proxy redundancy
- NAT Traversal
- STUN mode
- DHCP / static / PPPoE
- HTTP / HTTPS web server
- Time and date synchronization by SNTP
- DNS-NAPTR/DNS- SRV (RFC 3263)
- IEEE802.1X
- TLS (Transport Layer Security)
- Open VPN
- QoS
  - 802.1p/Q tagging (VLAN)
  - Layer 3 ToS DSCP
- HTTPS certificate manager
- AES encryption for configuration file
- Digest authentication using MD5/MD5-sess
- RTPCP-XR (RFC3611), VQ-RTCPXR (RFC6035)

## Languages:

### Built-in

- English, French, German, Spanish, Portuguese, Russian, Italian, Polish, Turkish, Serbian, Chinese Simplified, Chinese Traditional, Slovenian, Farsi, Slovak and Czech

### Controlled by PBX

- Chinese Simplified, Chinese Traditional, English, French, German, Italian, Polish, Portuguese, Russian, Spanish, Turkish

## Certifications:

- FCC Class B, CE

## Physical Features:

- Shipping dimensions
  - 205mm (W) x 194mm (D) x 105mm (H)
- Shipping weight
  - .91kgs (2lbs)
- Wall mountable
- Stand with 3 adjustable angles
- Power consumption (PSU)
  - 2.0~4.6W
- Power consumption (PoE)
  - 2.5~5.5W
- Operating humidity
  - 10~95%
- Operating temperature
  - -10~50°C

## Optional Accessories:

- H10/20 Headset
- External universal AC adapter (US, UK, EUR)
  - AC 100~240V input
  - DC 5V/1.2A output