# Sangoma s300 VoIP Phone

# **Full Featured and 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 s300 is a full feature set phone with two Session Initiation Protocol (SIP) accounts at a competitive entry-level price point. The s300 IP phone can automatically locate FreePBX / PBXact to quickly and easily get full configuration right out of the box – true Zero Touch Configuration.

The s300 features industry standard Power over Ethernet, so no power cable or outlets required. It has full duplex speakerphone, dual Ethernet ports, five-way conference calling, high definition voice quality, and built in Virtual Private Network (VPN) capability.

"Finally a phone anyone in your office (or remote) can install, provision and start using just by plugging it into the network, and with Market Leading Security Features."



- > 2x SIP Accounts
- Market Leading Security Measures
- Full Duplex Speaker Phone
- Backlit LCD Display
- 5-way Conferencing
- » Dual 10/100 Mbps Ethernet Ports
- Optional Annual Support & Software Maintenance Plans

# **Buy a Bundle**

Stop trying to piece together a new VoIP telephone system. With Sangoma's family of IP phones and industry expertise, everything your business needs for IP and Unified Communications can be ordered from a single vendor. Get the complete Sangoma solution all in one bundle:

- » Private Branch Exchange (PBX)
- » Gateways
- » FreePBX Commercial Modules
- » IP Phones

View a current list of available Sangoma products and services at sangoma.com.



#### ADVANCED CAPABILITIES

# **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.



Other vendors have redirection servers, but they have to be programmed with details of the IP PBX. Only Sangoma can provide Zero Touch provisioning with FreePBX / PBXact.

# **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.



# **Hot-Desking**

For users without a permanent work desk, log in to any phone with your extension and password, and all your settings follow you instantly.

Perfect for call-center agents, and other roaming workers. It's as if you never left your desk at all!

#### **Security with Built-in VPN**

All Sangoma phones are pre-provisioned with a VPN client to automatically connect to the corporate PBXact Phone system. Perfect for remote workers to be able to access all their tools from the office without compromising security.

# FEATURE SPECIFICATIONS

#### **Phone 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

#### **IP-PBX Features:**

- » Busy Lamp Field (BLF)
- » Call park, call pickup
- » Music on hold
- » Voicemail

#### **Voice Codecs Features:**

- » HD voice
  - > HD handset
  - > HD speaker
- » Codecs
  - > iLBC
  - **>** G.722
  - > G.711(A/µ)
  - > GSM\_FR
  - **>** G.723
  - > G.729AB
  - **>** G.726 -32
- Full-duplex hands-free speakerphone with AEC (Acoustic Echo Cancellation)

#### **Display and Indicator:**

- > 132 x 48 pixel graphical LCD with backlight
- LED for call and message
   National language selection
- Illuminated LEDs for line status information

#### **Feature Keys:**

- » 6 feature keys
  - > Headset
  - > Speaker
  - > Hold
  - > Mute
  - > Transfer
  - > Conference

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Due to ongoing improvements and revisions, Sangoma reserves the right to make changes without notice.

- » Direct IP call
- » Custom ring tones / provisioning
- Set date time automatically or manually
- » Dial plan per account
- » RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- » Action URL/URI
- » Anonymous call,
- anonymous call rejection
- » Message Waiting Indicator
- » Intercom, paging
- Voice Activity Detection (VAD)
- » Auto Gain Control (AGC)
- Comfort Noise Generation (CNG)
- » Acoustic Echo Cancellation (AEC)
- Packet Loss Concealment (PLC)
- » Adaptive Jitter Buffer (AJB)
- » DTMF
  - > In-band
  - > RFC 2833
  - > SIP INFO
- » Intuitive user interface
  - with icons and soft keys National language
- selection
  Caller ID with name and
  - number
- » 2 line keys with LED
  - 4 context-sensitive "soft" keys
- » 6 navigation keys
- » Volume control keys

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#### Interface:

» Dual-port 10/100 Mbps Ethernet » Power over Ethernet (IEEE

802.3af) (PoE), class 3

» Reset to factory, restart,

» Local tracing log export,

» Phone lock for personal

> 802.1p/Q tagging (VLAN)

» HTTPS certificate manager

> Layer 3 ToS DSCP

» TLS (Transport Layer

» AES encryption for

configuration file

» Chinese Simplified

» Chinese Traditional

>> Power consumption (PSU)

>> Power consumption (PoE)

» Digest authentication

using MD5/MD5-sess

privacy protection

reboot

system log

» IPV4 / IPV6

Security)

» QoS

> SRTP

» Turkish

» Serbian

>>

» Farsi

» Slovak

» Czech

Slovenian

> 1.6~2.6W

> 2.0~3.2W

> 10~95%

> -10~50°C

E

» Operating humidity

» Operating temperature

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CHNOLOGIES

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» 1x RJ9 (4P4C) handset port

#### Management:

- » Configuration
  - > Browser / LCD-Menu / auto-provision
- > HD speaker
- » Auto-provision via HTTP / HTTPS, FTP / TFTP
- » Auto-provision with PnP

#### **Network and Security:**

- » SIP v1 (RFC2543), v2 (RFC3261)
- » SIP server / proxy redundancy
- » NAT Traversal
- > STUN mode
- » DHCP / static / PPPoE
- » HTTP / HTTPS web server » Open VPN
- Time and date synchronization by SNTP
- » DNS-NAPTR/DNS- SRV (RFC 3263)
- » IEEE802.1X

#### Languages:

- » English
- » French
- » German
- » Spanish
- » Portuguese
- » Russian
- » Italian
- » Polish

#### **Physical Features:**

» Shipping dimensions

- > 205mm (W) x 194mm
- (D) x 105mm (H)

» External power adapter

\*Sold separately (US, UK

Shipping weight
 .91kgs (2lbs)

EUR versions)

» Wall mountable