Sangoma s500 VoIP Phone

Perfect for the Demanding User

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 s500 is a full feature set phone with four Session Initiation Protocol (SIP) accounts and a competitive price point. The s500 IP phone can quickly locate FreePBX / PBXact to automatically and easily get full configuration right out of the box – true Zero Touch Configuration.

The s500 features industry standard Power over Ethernet, so no power cable or outlets required. It has full duplex speakerphone, dual gigabit Ethernet ports, five-way conference calling, high definition voice quality, and built in Virtual Private Network (VPN) capability.

"Accessories like Headset Adapters for connecting the s500 to the most popular wireless headsets and Expansion Modules are also available."

Quick Facts

- » 4x SIP Accounts
- » Full Duplex Speaker Phone
- » 5-way Conferencing
- » 3.5 Inch Full Color Display
- » 28 Programmable Soft Keys
- » Headset & Expansion Module Compatible
- » Dual Gigabit 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.

Full Integration with Phone Apps

Users can now control complicated features directly from their phones. There's no need to remember feature codes. Applications include:

- » Call Parking
- » Follow Me
- » Do Not Disturb
- » Conference Rooms
- » Call Forwarding
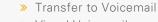- » Time Conditions
- » Presence
- » Queues
- » Queue Agents
- » Transfer to Voicemail
- » Visual Voicemail
- » Log In / Out
- » Call Flow
- » Contacts

FEATURE SPECIFICATIONS

Phone Features:

- 4x 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
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- Action URL/URI

IP-PBX Features:

- Busy Lamp Field (BLF)
- Call park, call pickup
- Music on hold
- Voicemail
- Anonymous call, anonymous call rejection
- Message Waiting Indicator
- Intercom, paging

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)
- 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

Display and Indicator:

- 3.5" 480 x 320 pixel color display with backlight
- 16 bit depth color
- LED for call and message waiting indication
- Dual-color illuminated LEDs for line status information
- Intuitive user interface with icons and soft keys
- Wallpaper
- National language selection
- Caller ID with name, number and photo

Feature Keys:

- 8 line keys with LED
- 8 features keys: call list, headset, speaker, hold, mute, transfer, voicemail, conference
- 6 navigation keys
- 8 line keys: 28 various features (4-pageview)
- 4 context-sensitive "soft" keys
- Volume control keys
- Illuminated speaker, headset and mute keys

Interface:

- 1x RJ9 (4P4C) handset port
- Supports up to 6 expansion modules
- Dual-port gigabit Ethernet
- Power over Ethernet (IEEE 802.3af) (PoE), class 3

Management:

- Configuration
  - Browser / LCD-Menu / auto-provision
  - HD speaker
- Auto-provision via HTTP / HTTPS, FTP / TFTP
- Auto-provision with PnP
- Reset to factory, restart, reboot
- Local tracing log export, system log
- Phone lock for personal privacy protection

Network and 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
- QoS
  - 802.1p/Q tagging (VLAN)
  - Layer 3 ToS DSCP
- TLS (Transport Layer Security)
- SRTP
- Open VPN
- HTTPS certificate manager
- AES encryption for configuration file
- Digest authentication using MD5/MD5-sess

Languages:

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

Physical Features:

- Dimensions
  - 239mm (W) x 224mm (D) x 95mm (H)
- Shipping weight
  - 1.27kgs (2.8lbs)
- 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:

- External universal AC adapter (US, UK, EUR)
  - AC 100~240V input
  - DC 5V/1.2A output
- EHS headset adapter
- EXP100 expansion module
- Wall mount bracket