s500

SANGOMA

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Sangoma s500 VoIP Phone: Designed Exclusively for FreePBX

Perfect for the Demanding User

The **Sangoma s500** is a full feature set phone with four Session Initiation Protocol (SIP) accounts and a competitive price point. Designed to work with FreePBX, the Sangoma s500 IP phone can quickly locate FreePBX 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 Ethernet Ports, five-way conference calling, high definition voice quality, and built in Virtual Private Network (VPN) capability.

Why is Sangoma Zero Touch Better?

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 phones, the redirection server automatically points the phone to the Sangoma FreePBX for configuration. Other vendors have redirection servers, but they have to be programmed with the details of the IP PBX. Only Sangoma can provide Zero Touch provisioning with FreePBX.

When using the s500 VoIP phone, EndPoint Manager software inside FreePBX 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. User applications include: Call Parking, Follow Me, Do Not Disturb, Conference Rooms, Call Forwarding, Time Conditions, Presence, Queues, Transfer to Voice Mail, Visual Voice Mail, Log in/out, Call Flow and Contacts.

The Sangoma s500 is a full-featured phone with a competitive price point that's ready for the most demanding user. Benefits include:

» 4 Session Initiation Protocol (SIP) Accounts

» 3.5 inch full color display

» Up to 28 programmable soft keys

» Headset compatible

» Dual gigabit Ethernet ports

Accessories like Headset Adapters for connecting the s500 to the most popular wireless headsets and Power Supply Units are also available.

Buy a Bundle

Stop trying to piece together a new VoIP telephone system. With Sangoma's family of telephones and industry expertise, everything your business needs for IP and Unified Communications can be ordered from a single vendor. Get the complete Sangoma solution: Private Branch Exchange (PBX), Gateway, Session Border Controllers, FreePBX Commercial Modules, and telephones – all in one bundle.

Why Sangoma?

Sangoma's customer-centric approach, product innovation strategies and worldwide network of distribution partners deliver the industry's best-engineered, highest quality, IP and Unified Communications solutions, supporting "any app, any where" for businesses and service providers of all sizes. All Sangoma products are backed by over 30 years of IP communications experience, expert engineering and technical resources and a comprehensive 1-year warranty. Extended warranties are also available.

Find out More

Sangoma offers a complete range of professional services, including technical support, software maintenance, training, deployment, and consulting services. View a current list of available Sangoma products and services at sangoma.com.

Feature Specifications

Phone Features

- 4 SIP accounts
- Call hold, mute, DND (Do Not Disturb)
- One-touch speed dial, hotline
- Call forward, call waiting, call transfer
- Redial, call return, auto answer
- 5-way conferencing
- Direct IP call
- Ring tone selection/provisioning
- Set date time automatically or manually
- Dial plan per account
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- XML Browser
- Action URL/URI

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
- DTMF: In-band, RFC 2833, SIP INFO
- 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)

IP-PBX Features

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

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 (red or green) illuminated LEDs for line status information
- Wallpaper
- Intuitive user interface with icons and soft keys
- National language selection
- Caller ID with name, number and photo

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Feature Specifications Continued

Feature Keys

- 8 line keys with LED
- 8 line keys can be programmed up to 28 various features (4-page view)
- 8 features keys: voice mail, headset, speaker, hold, mute, transfer, call list, conference
- 4 context-sensitive "soft" keys
- 6 navigation keys
- Volume control keys
- Illuminated speaker key
- Illuminated headset key
- Illuminated mute key

Interface

- Dual-port Gigabit Ethernet
- Power over Ethernet (IEEE 802.3af), class 3
- 1xRJ9 (4P4C) handset port
- Supports up to 6 Expansion Modules

Physical Features

- Stand with 3 adjustable angles
- Wall mountable
- External universal AC adapter : AC 100~240V input and DC 5V/1.2A output
- Power consumption (PSU): 2.0~4.6W
- Power consumption (PoE): 2.5~5.5W
- Operating humidity: 10~95%
- Operating temperature: -10~50°C

Management

- Configuration: browser/LCD-Menu/ auto-provision
- 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)
- QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP
- IEEE802.1X
- TLS (Transport Layer Security)
- SRTP
- Open VPN
- HTTPS certificate manager
- AES encryption for configuration file
- Digest authentication using MD5/MD5-sess

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