SANG✱MA

Value-Based IP Phones
The Power You Need, The Price You Want

Our value-based phones offer essential entry-level features without sacrificing on the function and performance typically available with more advanced phones.

Enjoy HD voice and unprecedented plug-and-play deployment for Sangoma's entire Unified Communications portfolio, including Switchvox, PBXact, FreePBX, and Asterisk.

✓ **Two VoIP lines 2.4" backlit color display**

✓ **Built-in EHS support for wireless headset compatibility**

✓ **TLS, SRTP, and VLAN for secure communications**

✓ **2 x lock ports (Kensington)**

✓ **Gigabit Ethernet option (Available with P315)**

P310/P315 Phone Details

	P310	**P315**
Main Display	2.4 inch 320 x 240 pixel backlit color LCD display	2.4 inch 320 x 240 pixel backlit color LCD display
Line Registrations	2-line	2-line
Feature Keys	4 feature keys and 4 context-sensitive soft keys	4 feature keys and 4 context-sensitive soft keys

Perfect for
Anyone that needs reliable, basic calling functionality or needs a lot of phones in one place; such as: manufacturing, education, retail, and even home offices.

Technical Specifications

Interfaces

User Interface

- 2.4 inch 320 x 240 pixel backlit color LCD display
- 2 line appearance keys
- 4 feature keys
- 4 context-sensitive soft keys
- 6-key easy navigation controller
- Headset, handsfree, and mute keys
- 2-color LED message waiting indicator
- Volume Control

Features

Phone Applications

- Contacts
- Call log
- Status
- Park calls
- Forward calls

Phone Features

- Auto-answer
- Headset-answer
- Headset-ring
- Distinctive ring
- Custom ringtones
- Call waiting
- Call transfer (blind & 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
- Hot Desking *Supported on Switchvox 7.8 and above*

Audio Features:

- Handset, handsfree, and headset modes
- Full-duplex HD speakerphone with echo cancellation
- Hearing aid compatible
- Background noise suppression
- 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 quieting
- VLAN, LLDP, NAT traversal, QoS
- 802.1X pass-through
- 802.1X authentication

Language Support

- Dutch, English, French, German, Italian, Portuguese, Russian, Spanish

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

Hardware

Connections

- 4P4C (RJ-9) handset and headset jacks
- P310: 2 switched 10/100 Mbps Ethernet ports
- P315: 2 switched 10/100/1000 Mbps Ethernet ports
- 12-volt DC power port (12-volt power unit optional)
- 5-pin Electronic Hookswitch (EHS) communication port

Provisioning

- Switchvox
- 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 GUI
- Remote logging via syslog

Regulatory Compliance

- CE Mark, FCC Part 15, Class B

Maximum Power Consumption

- P310: 2.5W
- P315: 2.5W

Operating Conditions

- Temperature: +32 to 122F / 0 to 50C
- Relative Humidity: 5% to 95% non-condensing

Storage Temperature

- -4 to 160F / -20 to 70C

Shipping Box Dimensions / Weight

- P310: 11.93" x 8.2" x 3.5" 2.4 lbs
- P315: 11.93" x 8.2" x 3.5" 2.4 lbs

Warranty

- One Year

Software Minimum Version Requirements

- Swichvox 7.7.1, DPMA 3.6 and latest versions of FreePBX/PBXact and EndPoint Manager

Electronic Hook Switch

EHS

LAN	PC	12VDC	Handset	Headset
Network Port	Computer Port	Power Port		

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