Polycom® SoundPoint IP® 501

Three-line IP telephone with exceptional sound quality

The SoundPoint IP 501 is a 3-line desktop IP telephone that utilizes Polycom's Acoustic Clarity Technology to deliver superb sound quality.

The SoundPoint IP 501 is a three-line Voice over IP telephone that seamlessly integrates with IP PBX and Softswitch vendors' IP solutions. As protocols develop and standards evolve, it's easy to update the phone in the field via a software download, thus enabling new features and functionality for the phone and protecting your investment. Whether you deploy MGCP or SIP standards, Polycom offers a solution that fits all your business communication needs.

Enhanced productivity
An intuitive user interface offers dedicated, one button access to common telephony features, and an information-rich graphical LCD display delivers content for messaging, call information, directory access, and applications. Suitable for everyday users, the SoundPoint IP 501 offers superb voice quality when used with a headset, handset or in hands-free speakerphone mode. Polycom industry-leading sound quality implemented in the SoundPoint IP 501 enhances the productivity of your business phone calls, because you will spend less time trying to understand what other people are saying, and more time communicating with them.

In today's Internet driven world, the ability to conduct real time communication and collaboration has become critical to an organization's survival. As the market leader in voice, video, data and Web solutions, our awardwinning conference technology makes it easy for people to interact and maximize productivity – over any network, in just about any environment, anywhere around the globe. That's why more organizations worldwide use and prefer Polycom conferencing solutions. Because when people work together, great things happen. To learn more, please visit the Polycom Experience Center at www.polycom.com/experience

Benefits
▶ **Proven –** Polycom is a leading independent supplier of standards-based VoIP telephones that are fully interoperable with leading call server solutions

▶ **Outstanding voice quality** — Incorporates Polycom's legendary Acoustic Clarity Technology, validated by 13 years of market leadership in voice conferencing

▶ **Easy-to-use** —12 dedicated feature keys and 4 context-sensitive soft keys; 160x80 pixel graphical grayscale LCD

▶ **Advanced SIP functionality***
- Multiple call- and flexible line appearances, three-way local conferencing, custom ring tones
- HTTPS secure provisioning, support of "signed" software executables
- Presence, instant messaging, buddy lists

▶ **Choice of powering options** — Support for AC power (included) and Power over Ethernet options (sold separately)

* Most of these features and functionality must be supported by the call server.

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Size
- 10.5 in x 6 in x 7.5 in x 1.75 in
- (26.5 cm x 15 cm x 19 cm x 4.5 cm) (W x H x D x T)

Weight
- Shipping: 2.75 lb (1.26 kg)

Lines (Direct Numbers)
- Up to 4 lines with up to 2 concurrent calls per line

Display
- Grayscale graphical 160x80 pixel LCD
- Message alert indicator

Headset and Hearing Aid Compatibility
- Amplified headsets with an RJ-9 jack are recommended
- Hearing aid compatible and compliant to ADA requirements of Section 508 recommendation

Feature Keys
- 12 dedicated feature keys (3 keys with display indicators)
- 4 context-sensitive soft keys
- Predefined hold key

Audio Features
- Individual volume settings with visual display feedback for each audio path
- Hands-free audio modes including headset and full-duplex speakerphone
- Adaptive jitter buffers to improve speech quality

Networking
- Dual 10/100 Mbps switched Ethernet ports

Protocol and Feature Support
- Flexible software architecture allowing drop-in signaling protocol stacks
- IETF MGCP v1.0 with feature phone extensions
  - RFC3435
  - Packet Cable Labs NCS IO7
  - RFC3149 (Business Phone Packages)
  - Configurable up to 3 lines - varies by IP PBX or Softswitch solution
- IETF SIP (RFC 3261 and companion RFCs)
  - Local feature-rich GUI
  - Call transfer, hold, divert (forward)
  - Called, calling, connected party
  - Identification/information
  - One-touch speed dial, redial
  - Local 3 way conferencing
  - Simplified conference call handling[1]
  - Up to 3 dedicated lines
  - Flexible call appearance[1]
  - Multiple line appearance[1]
  - User configurable directories and call history (Missed, placed and received)
  - Presence: buddy list, my status
  - Instant messaging
  - Unicode character support
  - Distinctive incoming call treatment/call waiting
  - Do not disturb function
  - Local call timer
  - Multilingual user interface
  - Automatic off-hook call placement

Security
- Digest authentication
- HTTPS secure provisioning[1]
- URL syntax for Boot Server address[2] (RFC 1738)
- Support for "signed" software executables[2]

Codecs
- G.711 µ/A and G.729A (Annex B) configuration
- Manual or Dynamic Host Configuration Protocol (DHCP) IP address setup
- Time and date synchronization using SNTP
- Server provisioned XML-based user configuration files

SoundPoint IP 501 includes:
- Desk stand
- 11-foot CAT 5 network cable with power port
- AC adapter
- Quick start guide
- Warranty registration card

Approvals
- CISPR 22 class B
- VCCI
- EMI
  - FCC class B Part 15
  - ICES-003 class B
  - EN 55022 class B

Safety
- UL 1950
- CSA C22.2 No. 950
- EN 60950

Operating Temperature
- +10 to 40 degrees C (+50 to 104 degrees F)

Storage Temperature
- -40 to +70 degrees C (-40 to +160 degrees F)

Relative Humidity
- 20% to 85%, non-condensing

Warranty
- One year

1. Requires SIP version 1.5.x or higher.
2. IRequires BootRom 3.0 or higher

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