



# Polycom® SoundPoint® IP 301\*

High-quality desktop business IP telephone

## Benefits

**Proven** – Polycom is a leading independent supplier of standards-based award winning IP telephones

**Flexibility** – Choice between handset or headset modes; choice of protocols and Technology Partner solutions

**Easy-to-use** – 10 dedicated feature keys and 3 context-sensitive soft keys; 4 line x 20 character LCD

### **Advanced functionality for SIP**

- HTTPS secure provisioning\*\*
- Enhanced call handling\*\*
- Instant messaging

### **Choice of powering options** –

Support for AC power (included) and Power over Ethernet options (sold separately)

The Polycom SoundPoint IP 301 is  
a two-line desktop IP telephone  
that delivers remarkable value.



Built to Polycom's high standards of quality and usability, the SoundPoint IP 301 offers businesses a cost-effective choice for their IP communication needs.

### **Enhanced productivity**

Being tightly integrated with our IP Telephony Technology Partners' solutions, the Polycom SoundPoint IP 301 supports core enterprise functionality. The Polycom SoundPoint IP 301 provides an easy transition from traditional PBX features and functionality into the world of Voice over IP. The SoundPoint IP 301 has an intuitive user interface offering one button access to telephony features through dedicated hard keys and context sensitive soft keys, a two-port 10/100 Ethernet switch, and an information-rich LCD display that delivers content for messaging, call information, directory access, and applications. The SoundPoint IP 301 offers excellent voice quality both when used with a handset and in a headset mode, thus enhancing the productivity of your business phone calls, because you spend less time trying to understand what other people are saying, and more time communicating with them.

### **A business IP handset for Polycom unified collaborative communications solutions**

With integrated video, voice, data, and Web capabilities, Polycom offers the only solution that gives you an easy way to connect, conference, and collaborate any way you want. It's our commitment to making distance communications as natural and interactive as being there. Work faster, smarter, and better with the SoundPoint IP 301 and Polycom's integrated communication solutions.

\* - The SoundPoint IP 301 is currently offered in North America, Australia, and New Zealand only

\*\* - Requires SIP version 1.5.x or higher



# Polycom SoundPoint IP 301\* Specifications

## Size

- 8.25 in x 6 in x 7.5 in x 1.25 in  
(21 cm x 15 cm x 19 cm x 3 cm) (W x H x D x T)

## Weight

- Shipping: 2.0 lb (0.90 kg)

## Power

- External wall adapter with power provided directly to the phone
- Optional inline power cables for IEEE802.3af or Cisco® Inline Powering

## Headset Capability

- Individual modular jack compatible with Plantronics® and GN Netcom® business headsets, amplified headsets are recommended

## Handset

- Hearing aid compatible

## Display

- 4 line x 20 character wide LCD
- Customizable animated indicators
- Message alert indicator

## Feature Keys

- 10 dedicated feature keys
  - 2 line keys
  - 5 configurable feature keys
  - Mute key
  - Headset key
  - Predefined Hold key
- 3 context-sensitive soft keys

## Audio

- Individual volume settings for each audio path with visual feedback
- Customizable audio sound effects
- Hands-free Headset mode
- Built-in monitor speaker
- Support for G.711 m/A and G.729A (Annex B) codecs
- Adaptive jitter buffers and Packet Loss Concealment to improve speech quality
- Voice Activity Detection and Comfort noise fill
- 3 Party Conferencing
- Telephony Tone Signaling (RFC2833)
- Record and Playback for diagnostic purposes

## Network and Provisioning

- Dual 10/100 Mbit/s switched Ethernet ports
- Manual or dynamic host configuration protocol (DHCP) setup
- Time and date synchronization using SNTP
- Server provisioned XML-based configuration files
- Web provisioning using built-in HTTP server
- Support for IEEE802.1p/Q tagging (VLAN), Layer 3 TOS
- Network Address Translation (NAT) support
- RTCP support (RFC1889)
- Event logging
- User-selectable hardware diagnostics (Network/CPU/Memory monitor)

## Protocol and Feature Support

- Flexible software architecture allowing drop-in signaling protocol stacks
- IETF Media Gateway Control Protocol (MGCP) v1.0
  - RFC3435 (was 2705)
  - RFC3149
  - Configurable up to 2 lines – varies by IP PBX or Softswitch solution
  - NCSI02
  - Call agent controlled
  - Manual call agent address
  - Feature phone extensions for feature key and display support
- IETF Session Initiation Protocol (SIP) – Basic/ Extension support
  - RFC2387, RFC3261, RFC3262, RFC3263, RFC3264, RFC3265, RFC3515
  - RFC3325
  - SIP Call Control – Transfer (RFC: TBD)
  - SIP “Replace” Header (RFC: TBD)Advanced Features:
  - Flexible line appearance\*\*
  - Multiple call appearance\*\*
  - Simplified conference call initiation / splitting\*\*
  - Instant messagingSecurity:
  - Digest authentication
  - HTTPS secure provisioning\*\*
  - URL syntax for Boot Server address\*\*\* (RFC 1738)
  - Support for “signed” software executables\*\*\*

## SoundPoint IP 301 includes:

- SoundPoint IP 301 console
- Handset and headset cord
- Reversible desk-mount and wall-mount stand
- Network cable
- Power adapter
- Quick Start Guide
- Warranty registration card

## Approvals

- EMI
  - FCC Part 15 Class B
  - ICES-003 Class B
  - VCCI
  - EN55022B

## Safety

- UL 1950
- CE Mark
- CSA C22.2 No.950
- EN60950

## Warranty

- 1 year

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\*\* - Requires SIP version 1.5.x or higher

\*\*\* - Requires BootRom 3.0.x or higher

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