



## DATA SHEET

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# Polycom® SoundPoint® IP 331c Enterprise-grade SIP Phone

Entry-level phone at a remarkable value that supports simplified and traditional Chinese fonts with excellent sound quality, enterprise-grade feature set, and business telephony features

The Polycom® SoundPoint® IP 331c two-line Chinese language-supported SIP phones delivers superb sound quality as well as a wide range of supported business telephony features including simplified and traditional Chinese. The SoundPoint IP 331c phone, with its dual-port 10/100 Ethernet switch for LAN and PC connection, presents a cost-effective solution for cubicle workers as well as call center operators who use a “hard” phone in conjunction with a “soft” client running on the PC.

### Superb sound quality Chinese phone

The SoundPoint IP 331c Chinese language supported phone feature a full-duplex IEEE 1329 Type 1-compliant speakerphone with legendary Polycom® Acoustic Clarity™ audio technology that delivers excellent sound quality and enables noise-free and echo-free conversations that are as natural as being there.

### Enterprise-grade feature set

Through an intuitive user interface, the SoundPoint IP 331c phone delivers a full feature set encompassing both traditional business telephony features such as call hold, park, pick-up, transfer, and three-way local conferencing, and more advanced capabilities such as shared call/bridged line appearance, hosting for built-in XHTML microbrowser, and distinctive call treatment.

### Efficient installation and provisioning

The Polycom SoundPoint IP 331c phone is engineered to make installation, configuration, and upgrades as simple and efficient as possible. The phones' standard base stand can be reversed to become a wall mount, eliminating the need for a separate accessory. Built-in IEEE 802.3af PoE circuitry and a dual-port Ethernet switch enable flexible deployment options and savings on cabling expenses.



### Benefits

- **Excellent sound quality**— Polycom® Acoustic Clarity™ technology enables crystal-clear simultaneous hands-free conversations as natural as being there
- Chinese language support for both simplified and traditional Chinese Availability (Taiwan and HK)
- **Enterprise-grade feature set**— Two lines, support of shared line presence, 3-way local conferencing, and built-in XML microbrowser
- Easy provisioning and management supports a wide range of industry-standard methods
- Simple, large-scale deployment and management of devices
- **Broad and robust interoperability**— Certified to interoperate with a broad array of SIP call control platforms to enable open choices and innovations while simplifying provisioning, management and support

## Product specifications

### Lines (direct numbers)

Up to 2 lines with up to 8 simultaneous calls total

### Display

- 102 x 33 pixel graphical LCD
- LED backlight with custom intensity control
- Message Waiting Indicator (MWI) LED

### Feature Keys

- 3 x context-sensitive “soft” keys
- 2 x line keys with bi-color (red/green) LED
- 2 x feature keys (“Menu” and “Dial”)
- 4-way navigation key cluster with center “Select” key
- 2 x volume control keys
- Dedicated hold key
- Dedicated headset key
- Dedicated hands-free speakerphone key
- Dedicated microphone mute key
- Optional messages key

### Headset and hearing aid compatibility

- Dedicated 2.5 mm headset port compatible with most monaural mobile phone headsets
- Compliant with ADA Section 508 Recommendations—Subpart B 1194.23 (all)
- Hearing Aid Compatible (HAC) handset for magnetic coupling to TIA 504-A and ITU P.370 standards
- Compatible with commercially available TTY adapter equipment

### Audio features

- Full-duplex hands-free speakerphone
- Type 1 compliant with IEEE 1329 full duplex standards
- Codecs
  - G.711  $\mu$ A
  - G.729A (Annex B)
  - iLBC
- Individual volume settings with visual feedback for each audio path
- Voice activity detection
- Comfort noise fill
- DTMF tone generation/DTMF event RTP payload
- Low-delay audio packet transmission
- Adaptive jitter buffers
- Packet loss concealment
- Acoustic echo cancellations
- Background noise suppression

### Call handling features<sup>1</sup>

- Shared call/bridged line appearance
- Busy Lamp Field (BLF)
- Flexible line appearance (one or more line keys can be assigned for each line extension)
- Distinctive incoming call treatment/ call waiting
- Call timer
- Call transfer, hold, divert (forward), pickup
- Called, calling, connected party information
- Local three-way conferencing
- One-touch speed dial
- Call waiting
- Remote missed call notification
- Intercom
- Automatic off-hook call placement
- Do not disturb function

### Other features

- Interoperability with Microsoft<sup>®</sup> LCS 2005 for telephony and presence<sup>2</sup>
  - Compatibility with Microsoft<sup>®</sup> Office Communicator and Windows<sup>®</sup> Messenger 5.1 Clients
- Enabled for Polycom Productivity Suite
- Local feature-rich GUI
- Time and date display
- User-configurable contact directory and call history (missed, placed and received)
- Wave file support for call progress tones
- Unicode UTF-8 character support
- Multilingual user interface encompassing Simplified and Traditional Chinese

### Protocol support

IETF SIP (RFC 3261 and companion RFCs)

### Network and provisioning

- Two port 10/100 Mbps Ethernet switch
- Manual or dynamic host configuration protocol (DHCP) network setup
- Time and date synchronization using SNTP
- FTP/TFTP/HTTP/HTTPS server-based central provisioning for mass deployments
- Provisioning and call server redundancy supported
- Web portal for individual unit configuration
- QoS Support—IEEE 802.1p/Q tagging (VLAN), Layer 3
- TOS and DSCP

- Network Address Translation (NAT) support for static configuration and “Keep-Alive” SIP signaling
- RTCP support (RFC 1889)
- Event logging
- Syslog
- Local digit map
- Hardware diagnostics
- Status and statistics reporting

### Security

- Transport Layer Security (TLS)
- Secure Real-time Transport Protocol (SRTP)
- Encrypted configuration files
- Shipped with X.509 certificate installed
- Digest authentication
- Password login
- Support for URL syntax with password for boot server
- HTTPS secure provisioning
- Support for signed software executables

### Power

- Built-in, auto-sensing IEEE 802.3af Power Over Ethernet (Class1)
- External universal input AC adapter (optional<sup>3</sup>; 24V DC@500mA)

### Approvals

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55022 Class B
- CISPR22 Class B
- AS/NZS CISPR22 Class B
- VCCI Class B
- EN55024
- CE
- RoHS Compliant
- GOST-R
- A-Tick
- C-Tick
- KCC
- ANATEL
- NZ Telepermit
- TRA

### Safety

- IEC60950-1
- EN60950-1
- UL60950-1
- CAN/CSA C22.2 No.60950-1-03
- AS/NZS 60950-1

### Operating conditions

- Temperature—32–104° F (0–40° C)
- Relative Humidity—5–95%, non-condensing

**Storage temperature**

-40–160°F (-40–70° C)

**Polycom® SoundPoint® IP 331 ships with**

- SoundPoint IP 331 console
- Handset with handset cord
- Base stand
- Network (LAN) cable
- Quick Start Guide

**Size (W x H x D)**

6.7 x 5.7 x 6.9 in (17 x 17 x 17.5 cm)

**Weight**

Phone weight: 1.9 lb (0.861 kg)<sup>4</sup>

**Part numbers**

- SoundPoint IP IP 331- 2200-12365-015/ for Taiwan and Hong Kong

**Unit box dimensions/weight**

- (W x H x D)  
- 10 x 4.2 x 11.6 in (25 x 10.5 x 29.5 cm)
- 2.9 lbs (1.3 kg)<sup>4</sup>

**Master carton quantity**

Ten

**Country of origin**

Thailand

**Warranty**

1 year

1. Some of these features need to be supported by an appropriate call/applications server.
2. Features supported on SoundPoint IP 331c requires 4.0.0 or higher
3. Optional AC Adapter 5-Packs, Part Numbers/ UPC Codes
  - 2200-17877-001/610807690269 for Taiwan
  - 2200-17877-015/610807690290 for Hong Kong
4. Measurements taken for PoE. Power supply weights estimated at 0.65 lb (0.294 kg)

Refer to the Administrator's Guide for Polycom UC Software for a more complete listing/description of features.

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**About Polycom**

Polycom is the global leader in open standards-based unified communications and collaboration (UC&C) solutions for voice and video collaboration, trusted by more than 415,000 customers around the world. Polycom solutions are powered by the Polycom® RealPresence® Platform, comprehensive software infrastructure and rich APIs that interoperate with the broadest set of communication, business, mobile and cloud applications and devices to deliver secure face-to-face video collaboration in any environment.

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