

## Polycom SoundPoint IP 450 VoIP Phone (IP450)



Product Name: Polycom SoundPoint IP 450 VoIP Phone (IP450)

Manufacturer: -

Model Number: 2200-12450-025

**Please Note:** The Polycom SoundPoint IP450 has been discontinued. For an alternative, please see the other Polycom VoIP Phones.

### Polycom SoundPoint IP 450 VoIP Phone (IP450)

The Polycom SoundPoint IP450 includes advanced technology and applications. Featuring a 256 x 116-pixel backlit screen, two port 10/100 Ethernet Switches, XML Microbrowsers and Polycom HD Voice technology, the SoundPoint IP 450 sets new standards for the mid-range SIP desktop phone.

#### Polycom SoundPoint IP450 IP Key Features

- Polycom HD Voice® technology, including support of G.722 wideband codec, Acoustic Clarity Technology 2, and systems design optimized for Polycom HD Voice
- Advanced functionality, including shared lines, busy lamp field, presence, and XHTML Microbrowser
- Backlit 256 x 116-pixel multi-layer, grayscale graphical LCD
- Integrated IEEE 802.3af Power over Ethernet (PoE) support (Class 2)
- Two port 10/100 Ethernet Switch
- Dedicated RJ-9 headset port

#### Unsurpassed Voice Quality and Clarity

The IP 450 VoIP Phone from Polycom SoundPoint features Polycom HD Voice, bringing life-like richness and clarity to every call. Polycom HD Voice incorporates wideband audio for over twice the voice clarity, Polycom's patented Acoustic Clarity Technology for crystal-clear, noise and echo-free sound, plus best-in-class system design for high-fidelity voice reproduction.

#### Easy-to-Use Features and Applications

An enterprise-grade phone, the Polycom IP 450 VoIP Phone delivers an easy-to-navigate menu and a combination of 17 dedicated hard keys and four content sensitive soft keys on a backlit, multi-level grayscale 256 x 116 pixel LCD display. Hosting a built-in XML Microbrowser. The Polycom SoundPoint IP 450 VoIP Phone offers an easy-to-access graphical interface to run productivity enhancing third-party applications using Polycom's flexible and open XML API.

#### Polycom SoundPoint IP 450 VoIP Phone Technical Specifications

##### Lines (Direct Numbers)

- Up to 3 lines with up to 8 concurrent calls per line

##### Display

- 256 x 116 pixel backlit grayscale graphical LCD
- LED backlight with custom intensity control
- Message Waiting Indicator (MWI) LED

##### Feature Keys

- 4 context-sensitive soft keys
- 17 dedicated "hard" keys
- 3 line keys with bi-color (red/green) LED
- 3 feature keys
- 5 display/menu navigation keys
- 2 volume control keys

## Polycom SoundPoint IP 450 VoIP Phone (IP450)

- ½ Mute, headset and hands-free speakerphone keys
- ½ Dedicated hold key

### Headset and Hearing Aid Compatibility

- ½ Dedicated RJ-9 headset port
- ½ Amplified headsets are recommended
- ½ Compliant with ADA Section 508 Recommendations: Subpart B 1194.23 (all)
- ½ Hearing Aid Compatible (HAC) handset for magnetic coupling to approved HAC hearing aids
- ½ Compatible with commercially-available TTY adapter equipment

### Audio Features

- ½ Polycom HD Voice technology delivers life-like voice quality for each audio path - the handset, the hands-free speakerphone, and the optional headset
- ½ Full-duplex hands-free speakerphone
- ½ Type 1 compliant with IEEE 1329 full duplex standards
- ½ Frequency response - 150Hz - 7kHz for handset, optional headset and hands-free speakerphone modes
- ½ Codecs: G.722 (wideband), G.711 &micro;/A, G.729A (Annex B) and iLBC
- ½ Individual volume settings with visual feedback for each audio path
- ½ Voice activity detection
- ½ Comfort noise fill
- ½ DTMF tone generation/DTMF event RTP payload
- ½ Low-delay audio packet transmission
- ½ Adaptive jitter buffers
- ½ Packet loss concealment
- ½ Acoustic echo cancellation
- ½ Background noise suppression

### Call Handling Features

- ½ Shared call/bridged line appearance
- ½ Flexible line appearance (one or more line keys can be assigned for each line extension)
- ½ Busy Lamp Field (BLF)
- ½ Distinctive incoming call treatment/call waiting
- ½ Call timer
- ½ Call transfer, hold, divert (forward), pickup
- ½ Called, calling, connected party information
- ½ Local three-way conferencing
- ½ One-touch speed dial, redial
- ½ Call waiting
- ½ Remote missed call notification
- ½ Intercom
- ½ Automatic off-hook call placement
- ½ Do not disturb function

### Other Features

- ½ Interoperability with Microsoft LCS 2005 for telephony and presence: Compatibility with Microsoft Office Communicator and Windows Messenger 5.1 Clients
- ½ Enabled for Polycom Productivity Suite
- ½ Local feature-rich GUI
- ½ Time and date display
- ½ User-configurable contact directory and call history (missed, placed and received)

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- Customizable call progress tones
- Wave file support for call progress tones
- Unicode UTF-8 character support. Multilingual user interface encompassing Danish, Dutch, English (Canada/US/UK), French, German, Italian, Norwegian, Russian, Spanish, Swedish

### Protocol Support

- IETF SIP (RFC 3261 and companion RFCs)

### Network and Provisioning

- Two-port Ethernet Switch
- 10/100Base-TX across LAN and PC ports
- 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 – static
- RTCP support (RFC 1889)
- Event logging
- Local digit map
- Hardware diagnostics
- Status and statistics

### 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 (Class 2)
- External universal input AC adapter (optional, 24V DC @ 12W)

### Approvals

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55022 Class B
- CISPR22 Class B
- AS/NZS CISPR 22 Class B
- VCCI Class B
- EN55024
- EN61000-3-2; EN61000-3-3
- NZ Telepermit
- ROHS compliant

## Polycom SoundPoint IP 450 VoIP Phone (IP450)

• GOST-R

### Safety

• UL 60950-1  
• CE Mark  
• CAN/CSA-C22.2 No. 60950-1-03  
• EN 60950-1  
• IEC 60950-1  
• AS/NZS 60950-1

### Operating Conditions

• Temperature: 0 to 40°C (+32 to 104°F)  
• Relative Humidity: 5% to 95%, non-condensing

### Storage Temperature

• -40 to +70°C (-40 to +160°F)

### Polycom SoundPoint IP 450 VoIP Phone Comes With:

• Polycom SoundPoint IP 450 VoIP Phone console  
• Handset with handset cord  
• Base stand  
• Network (LAN) cable  
• Quick Start Guide  
• Product registration card

### Size

• 8.5 x 6 x 6.5 in x 2.5 in  
• (21.5 x 15 x 16.5 x 6.5 cm)

### Weight

• 2.4 lb (1.1 kg)

### Connections Illustration

Note: Please refer to the Polycom VoIP Phone Range Detailed Comparison Table for more information.

**Please Enquire**

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Options available for Polycom SoundPoint IP 450 VoIP Phone (IP450) :

### Power Supply Required?

Power Supply Required (+£10.50), - Not Required -.