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

ï¿½ Polycom HD Voice™ technology, including support of G.722 wideband codec, Acoustic Clarity Technology 2, and systems design optimized for Polycom HD Voice
ï¿½ Advanced functionality, including shared lines, busy lamp field, presence, and XHTML Microbrowser
ï¿½ Backlit 256 x 116-pixel multi-layer, grayscale graphical LCD
ï¿½ Integrated IEEE 802.3af Power over Ethernet (PoE) support (Class 2)
ï¿½ Two port 10/100 Ethernet Switch
ï¿½ 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)

ï¿½ Up to 3 lines with up to 8 concurrent calls per line

Display

ï¿½ 256 x 116 pixel backlit grayscale graphical LCD
ï¿½ LED backlight with custom intensity control
ï¿½ Message Waiting Indicator (MWI) LED

Feature Keys

ï¿½ 4 context-sensitive soft keys
ï¿½ 17 dedicated "hard" keys
ï¿½ 3 line keys with bi-color (red/green) LED
ï¿½ 3 feature keys
ï¿½ 5 display/menu navigation keys
ï¿½ 2 volume control keys

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

Headset and Hearing Aid Compatibility

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

Audio Features

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

Call Handling Features

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

Other Features

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

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ï¿½ Customizable call progress tones
ï¿½ Wave file support for call progress tones
ï¿½ Unicode UTF-8 character support. Multilingual user interface encompassing Danish, Dutch, English (Canada/US/UK), French, German, Italian, Norwegian, Russian, Spanish, Swedish

Protocol Support

ï¿½ IETF SIP (RFC 3261 and companion RFCs)

Network and Provisioning

ï¿½ Two-port Ethernet Switch
ï¿½ 10/100Base-TX across LAN and PC ports
ï¿½ Manual or dynamic host configuration protocol (DHCP) network setup
ï¿½ Time and date synchronization using SNTP
ï¿½ FTP/TFTP/HTTP/HTTPS server-based central provisioning for mass deployments
ï¿½ Provisioning and call server redundancy supported
ï¿½ Web portal for individual unit configuration
ï¿½ QoS Support – IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS, and DSCP
ï¿½ Network Address Translation (NAT) support – static
ï¿½ RTCP support (RFC 1889)
ï¿½ Event logging
ï¿½ Local digit map
ï¿½ Hardware diagnostics
ï¿½ Status and statistics

Security

ï¿½ Transport Layer Security (TLS)
ï¿½ Secure Real-time Transport Protocol (SRTP)
ï¿½ Encrypted configuration files
ï¿½ Shipped with X.509 certificate installed
ï¿½ Digest authentication
ï¿½ Password login
ï¿½ Support for URL syntax with password for boot server
ï¿½ HTTPS secure provisioning
ï¿½ Support for signed software executables

Power

ï¿½ Built-in, auto-sensing IEEE 802.3af Power over Ethernet (Class 2)
ï¿½ External universal input AC adapter (optional, 24V DC @ 12W)

Approvals

ï¿½ FCC Part 15 (CFR 47) Class B
ï¿½ ICES-003 Class B
ï¿½ EN55022 Class B
ï¿½ CISPR22 Class B
ï¿½ AS/NZS CISPR 22 Class B
ï¿½ VCCI Class B
ï¿½ EN55024
ï¿½ EN61000-3-2; EN61000-3-3
ï¿½ NZ Telepermit
ï¿½ ROHS compliant

Polycom SoundPoint IP 450 VoIP Phone (IP450)

ï¿½ GOST-R

Safety

ï¿½ UL 60950-1
ï¿½ CE Mark
ï¿½ CAN/CSA-C22.2 No. 60950-1-03
ï¿½ EN 60950-1
ï¿½ IEC 60950-1
ï¿½ AS/NZS 60950-1

Operating Conditions

ï¿½ Temperature: 0 to 40°C (+32 to 104°F)
ï¿½ Relative Humidity: 5% to 95%, non-condensing

Storage Temperature

ï¿½ -40 to +70°C (-40 to +160°F)

Polycom SoundPoint IP 450 VoIP Phone Comes With:

ï¿½ Polycom SoundPoint IP 450 VoIP Phone console
ï¿½ Handset with handset cord
ï¿½ Base stand
ï¿½ Network (LAN) cable
ï¿½ Quick Start Guide
ï¿½ Product registration card

Size

ï¿½ 8.5 x 6 x 6.5 in x 2.5 in
ï¿½ (21.5 x 15 x 16.5 x 6.5 cm)

Weight

ï¿½ 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

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

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