

Polycom SoundPoint IP 450 Specifications

Lines (Directory 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
- Mute, headset and hands-free speakerphone keys
- Dedicated hold key

Headset and Hearing Aid Compatibility

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

Audio Features

- Polycom HD Voice technology delivers life-like voice quality for each audio path - the handset, the hands-free speakerphone, and the optional headset
- Full-duplex hands-free speakerphone
- Type 1 compliant with IEEE 1329 full duplex standards
- Frequency response - 150Hz - 7kHz for handset, optional headset and hands-free speakerphone modes
- Codecs: G.722 (wideband), G.711 μ /A, G.729A (Annex B) and 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 cancellation
- Background noise suppression

Call Handling Features²

- Shared call/bridged line appearance
- Flexible line appearance (one or more line keys can be assigned for each line extension)
- Busy Lamp Field (BLF)
- 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, redial
- Call waiting
- Remote missed call notification
- Intercom
- Automatic off-hook call placement

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- Do not disturb function

Other Features

- Integration with Microsoft LCS 2005 for telephone and presence3
- Compatibility with Microsoft Office Communicator and Windows[®] 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)
- Customizable call progress tones
- Wave file support for call progress tones
- Unicode UTF-8 character support. Multilingual user interface encompassing Chinese, Danish, Dutch, English (Canada/US/UK), French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovenian, 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/HTTPS4 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

Security²

- Transport Layer Security (TLS)³
- Secure Real-time Transport Protocol (SRTP)
- Shipped with X.509 certificate installed
- Encrypted configuration files³
- Digest authentication
- Password login
- Support for URL syntax with password for boot server⁴
- HTTPS secure provisioning⁴
- Support for signed software executables⁴

Power

- Built-in, auto-sensing IEEE 802.3af Power over Ethernet (Class 2)
- External Universal AC adapter (24VDC/12W)⁵

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
- 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%, noncondensing

Storage Temperature

- 40 to +70°C (-40 to +160°F)

SoundPoint IP 450 Comes With:

- SoundPoint IP 450 console
- Handset with handset cord
- Base stand
- Network (LAN) cable
- Universal Power Adapter (including country specific cord kit)⁵
- 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) (W x H x D x T)

Part Numbers/UPC Codes

- 2200-12450-001/610807687887 for NA, TWN
- 2200-12450-002/610807690214 for Japan
- 2200-12450-012/610807690221 for AU, NZ
- 2200-12450-015/610807690238 for UK, HK, Singapore and Malaysia
- 2200-12450-016/610807691396 for Korea
- 2200-12450-022/610807691396 for China
- 2200-12450-122/610807690245 for ROE
- 2200-12450-025/610807687894 PoE version for worldwide

Box Dimensions/Weight

- 12.5 x 13.25 x 3.5 in (31.75 x 33.5 x 9 cm) (L x W x H)
- Unit weight – 2.4 lbs (1.1 kg)
- 4.4 lbs (2.0 kg) – includes all packaging material

Master Carton Quantity

- Five
- Country of Origin
- Thailand

Warranty

- One year

- To enjoy all the benefits of Polycom HD Voice when using the phone in the headset mode, you must use a wideband headset.
- Most software-enabled features and capabilities must be supported by the server. Please contact your IP PBX/Softswitch vendor or service provider for a list of supported features.
- Requires SIP version 3.1.0 Rev C or higher.
- Requires BootROM version 4.1.2 or higher.
- Universal power adapter not included in the PoE version (P/N: 2200-12450-025)

