

Polycom® SoundPoint® IP 650

Cutting-edge SIP feature set with Polycom HD Voice™

Revolutionary sound quality and advanced features in a six-line SIP phone



The Polycom SoundPoint IP 650 is a 6-line IP desktop phone that enables calls of unprecedented quality. It supports a comprehensive range of features that ensures excellent performance for demanding offices.

The Polycom SoundPoint IP 650 features HD voice technology that enables life-like voice clarity. Polycom-patented Acoustic Clarity technology provides echo-free and crystal-clear conversations.

The Polycom SoundPoint IP 650 also delivers advanced capabilities and features. The phone supports six lines, has an excellent backlight display, flexible customization options and other useful

functions. The phone includes dedicated buttons for directory, conference, transfer, redial, voicemail, and other common functions. Users can expect the Polycom SoundPoint IP 650 to meet the needs of office professionals and offices. For users who need to monitor presence, the phone can monitor up to 4 colleagues or up to 46 via expansion modules.

The Polycom IP 650 is also easy to install. Because of the built-in IEEE 8023af PoE circuitry and a dual-port Ethernet switch, users have access to flexible deployment options.

Polycom 650 available with expansion modules

Turn your business phone into a high performance attendant console with this optimal solution for telephone attendants, receptionists, administrative assistants and secretaries.

- Shows presence for up to 14 other users per expansion module
- Augments user interface
- Creates a high performance productivity enhancing solution with host phone
- Add or remove from host phone at any time
- High resolution graphical LCD



Polycom IP 650 + 1 Expansion Module



Polycom IP 650 + 2 Expansion Modules



Polycom IP 650 + 3 Expansion Modules

Features and Specifications

Lines

- 6 lines for calls or use up to 4 lines for presence monitoring

Display

- 320 x 160 backlit grayscale graphical LCD
- White LED backlight with custom intensity control

Feature Keys

- 4 context sensitive "soft" keys
- 26 dedicated "hard" keys
 - » 6 line keys with bi-color (red/green) LED
 - » 8 feature keys
 - » 6 display/menu navigation keys
 - » 2 volume control keys
- » Illuminated mute key
- » Illuminated headset key
- » Illuminated hands-free speakerphone key
- » Dedicated hold key

Features and Specifications continued

Headset and Hearing Aid Compatibility

- Compliant with ADA Section 508 Recommendations: Subpart B 1194.23 (all)
- Hearing Aid Compatible (HAC) handset for magnetic coupling to approved HAC hearing aids
- Compatibility 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 headset
- Full-duplex hands-free speakerphone
- Type 1 compliant with IEEE 1329 full duplex standards
- Frequency response - 150Hz - 7kHz for handset, headset and hands-free speakerphone modes
- Codecs: G.722 (wideband), G.711 μ A, and G.729A (Annex B)
- 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 Features

- Distinctive incoming call treatment/call waiting
- Call timer
- Call transfer, hold, divert (forward), pickup
- Called, calling, connected party information
- Three-way conferencing
- One-touch speed dial, redial
- Call waiting
- Automatic off-hook call placement
- Do not disturb function

Other Features

- Local feature-rich GUI
- Time and date display
- 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 10/100 Mbps Ethernet switch
- Manual or dynamic host configuration protocol (DHCP) network setup
- 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
- Syslog
- Local digit map
- Hardware diagnostics
- Status and statistics

Power

- Built-in, auto-sensing IEEE 802.3af Power over Ethernet
- External Universal AC adapter

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
- ROHS compliant

- Anatel
- GOST
- C-tick
- CCC

Safety

- UL/C-UL
- CE Mark
- EN 60950-1
- IEC 60950-1
- AS/NZS 60950

Operating Conditions

- Temperature: +10 to +40 degrees C (+50 to +104 degrees F)
- Relative humidity: 20%-85% (noncondensing)

Storage Temperature

- 40 to +70 degrees C (-40 to +160 degrees F)

Package Contents

- SoundPoint IP 650 console
- Handset with handset cord
- Base stand
- Network (LAN) cable
- Universal power adapter
- User guide
- Quick Tips reference guide

Size

- 10.5 in x 6 in x 7.5 in x 2.5 in (26.5 cm x 15 cm x 19 cm x 6.5 cm) (W x H x D x T)

Box Dimensions/Weight

- 12.5 in x 13.25 in x 3.5 in
- 2045 g

Country of Origin

- Thailand

Warranty

- One year