

Make Great Things Happen with Polycom SoundPoint IP 650

In today's Internet driven world, the ability to conduct real time communication and collaboration has become critical to an organization's survival. As the market leader in voice, video, data and Web solutions, our award-winning conference technology makes it easy for people to interact and maximize productivity — over any network, in just about any environment, anywhere around the globe. That's why more organizations worldwide use and prefer Polycom conferencing solutions. Because when people work together, great things happen. See how you, too, can achieve great things with Polycom SoundPoint IP 650.

SPECIFICATIONS

Lines (Direct Numbers)

- Up to 6 lines (standalone mode)
- Up to 12 lines with Expansion Module(s)

SoundPoint IP Expansion Module Support

- Supports up to three Expansion Modules

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

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
- Compatibility with commercially-available TTY adapter equipment

Audio Features

- Polycom HD Voice technology delivers life-like voice quality for each audio path - the headset, the hands-free speakerphone, and the headset¹
- Full-duplex hands-free speakerphone
 - Type 1 compliant with IEEE 1329 full duplex standards
- Frequency response - 150Hz - 7kHz for headset, headset¹ 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 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
- Do not disturb function

Other Features

- Integration with Microsoft LCS 2005 for telephony and presence³
 - Compatibility with Microsoft Office Communicator and Windows[®] Messenger 5.1 Clients
- Universal Serial Bus (USB)
 - Full Host Controller
 - Compliant with OHCI 1.1 specification
 - Support for Full-speed and Low-speed peripherals⁴
 - Type-A receptacle interface
- 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, Portuguese, Russian, 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
- Time and date synchronization using SNTP
- FTP / TFTP / HTTP / HTTPS⁴ server-based central provisioning for mass deployments. Provisioning 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
- RTP support (RFC 1889)
- Event logging
- Local digit map
- Hardware diagnostics
- Status and statistics

Security²

- Transport Layer Security (TLS)⁵
- 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
- External Universal AC adapter (included; 24V DC @ 500mA min.)

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

Safety

- UL 60950
- CE Mark
- CAN/CSA-C22.2 No. 60950
- 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% to 85%, non-condensing

Storage Temperature

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

SoundPoint IP 650 Comes With:

- SoundPoint IP 650 console
- Handset with handset cord
- Base stand
- Network (LAN) cable
- Universal power adapter (including country-specific cord kit)
- Quick Start Guide
- Product registration card

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)

Weight

- Shipping: 2.75 lb (1.26 kg)

Part Numbers / UPC Codes

- 2200-12651-001 / 610807522959 for NA, TWN
- 2200-12651-002 / 610807522966 for Japan
- 2200-12651-012 / 610807522973 for AU, NZ
- 2200-12651-015 / 610807522980 for UK, HK, Singapore, Malaysia
- 2200-12651-016 / 610807522997 for Korea
- 2200-12651-022 / 610807523000 for China
- 2200-12651-122 / 610807523017 for ROE

Box Dimensions / Weight

- 12.5 in x 13.25 in x 3.5 in
- 2045g (for all countries)

Master Carton Quantity

- Five

Country of Origin

- Thailand

Warranty

- 1 year

¹ To enjoy the benefits of Polycom HD Voice when using the phone in the headset mode, you must use a wide-band headset. Please contact headset manufacturers to identify appropriate headset models.

² 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.

³ Requires SIP version 2.0.1 or higher.

⁴ Requires BootROM version 3.2.x or higher.

⁵ Please contact Polycom for current device driver support

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