

Polycom SoundPoint IP 650 Specifications

Lines (Direct Numbers)

- Up to six lines (standalone mode)
- Up to 24 concurrent calls

Expansion Module Mode

- Up to 48 line keys/appearances
- Up to 47 remote party BLF line monitors
- Up to 34 SIP registrations

SoundPoint IP Expansion Module Support

- Supports up to three Expansion Module

Display

- 320 x 160 backlit grayscale graphical LCD
- White LED backlight with custom intensity control
- Message Waiting Indicator (MWI) LED

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) 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 headset¹
- Full-duplex hands-free speakerphone
 - Type 1 compliant with IEEE 1329 full duplex standards
- Frequency response - 150Hz - 7kHz for handset, headset¹ 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
- 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 Universal Serial Bus (USB)
 - Full Host Controller
 - Compliant with OHCI 1.1 specification
 - Support for Full-speed and Low-speed peripherals
 - 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, 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
- 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
- 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
- External Universal AC adapter (included 48V DC)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
- 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: 0 to 40°C (+32 to 104°F)
- Relative humidity: 5% to 95% (noncondensing)

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)⁵
- 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

- One year
 - To enjoy 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 2.0.1 or higher.
 - Requires BootROM version 3.2.X or higher.
 - Please contact Polycom for current device driver support

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