

# ▶ Polycom® SoundPoint IP® 670

## Premium SIP Desktop Phone with a Large Color Display



### Delivering a rich voice, visual and application experience

The SoundPoint IP 670 is an application-enabled desktop IP phone with a high-performance color display, Polycom's revolutionary HD Voice™ for unparalleled voice quality, and Gigabit Ethernet connectivity. It is designed to provide professionals with a vibrant color interface for easier viewing and navigation, as well as a high level of integration with productivity-enhancing applications and business processes.

#### **A Visually Improved Platform for Applications**

The SoundPoint IP 670 features a backlit, large color display that enables rich visual presentation and easier navigation of the menu. Beyond its advanced telephony features, the SoundPoint IP 670 is an ideal platform for accessing applications, such as the Polycom Productivity Suite, through its vibrant color user interface. The SoundPoint IP 670 also delivers a significantly augmented and visually pleasing user experience when running productivity-enhancing third-party applications developed using Polycom's XML API.

#### **Unparalleled Voice Quality and Clarity**

The SoundPoint IP 670 integrates Polycom HD Voice to bring life-like richness and clarity to every call. Polycom HD Voice incorporates wideband audio for over twice the voice clarity, patented Polycom Acoustic Clarity™ technology for noise and echo-free sound, plus best-in-class system design for high-fidelity, faithful voice reproduction.

#### **Advanced Network Connectivity**

With a built-in dual-port Gigabit Ethernet switch, the SoundPoint IP 670 provides full Gigabit data connectivity between the network and a user's computer, eliminating network bottlenecks to enable bandwidth-intensive applications on the user's desktop.

#### **Enhanced Call Handling Capabilities**

The SoundPoint IP 670 accommodates six lines in standalone mode. When equipped with up to three SoundPoint IP Color Expansion Modules, the SoundPoint IP 670 becomes a 34-line, productivity-enhancing attendant console for attendants to increase call handling capabilities and to view presence information without having to be in front of a PC².

#### **About Polycom**

Polycom, Inc. (Nasdaq: PLCM) is the global leader in telepresence, video, and voice solutions and a visionary in communications that empower people to connect and collaborate everywhere. Please visit [www.polycom.com](http://www.polycom.com) for more information.

#### **Benefits**

##### ▶ **A Rich Visual Experience**

Large, vibrant color display enables easier viewing and navigation, plus integration with productivity-enhancing applications and business processes

##### ▶ **Polycom HD Voice**

Unparalleled voice clarity to make your calls more efficient and productive

##### ▶ **Gigabit Ethernet Support**

Future-proofs network infrastructure investment

##### ▶ **Expandability**

Supports up to three SoundPoint IP Color Expansion Modules for an attendant console application

##### ▶ **Broad and Robust Interoperability**

Certified to interoperate with a broad array of SIP call control platforms to enable open choices and innovations while simplifying provisioning, management, and support.

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# Polycom® SoundPoint IP® 670 Specifications

## Lines (Direct Numbers)

- Up to six lines (standalone mode)
- Up to 34 lines with Color Expansion Module(s)

## SoundPoint IP Color Expansion Module Support

- The PoE version supports one Color Expansion Module
- The PSU version supports up to three Color Expansion Modules

## Display

- 320 x 160 backlit color graphical LCD
- LED backlight with custom variable 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) 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<sup>1</sup>
- Full-duplex hands-free speakerphone
  - Type 1 compliant with IEEE 1329 full duplex standards
- Frequency response - 150Hz - 7kHz for handset, headset<sup>1</sup> and hands-free speakerphone modes
- Codecs: G.722 (wideband), G.711  $\mu$ /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<sup>2</sup>

- 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

- Enabled for the Polycom Productivity Suite
- Integration with Microsoft LCS 2005 for telephone and presence<sup>3</sup>
  - 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 Gigabit Ethernet switch:
  - 10/100/1000Base-Tx across LAN and PC ports
  - Conformant to IEEE802.3-2005 (Clause 40) for Physical Media Attachment
  - Conformant to IEEE802.3-2002 (Clause 28) for Link Partner Auto-Negotiation
- Manual or dynamic host configuration protocol (DHCP) network setup
- Time and date synchronization using SNTP
- FTP/FTTP/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

## Security<sup>2</sup>

- Transport Layer Security (TLS)<sup>3</sup>
- Encrypted configuration files<sup>3</sup>
- Digest authentication
- Password login
- Support for URL syntax with password for boot server<sup>4</sup>
- HTTPS secure provisioning<sup>4</sup>
- Support for signed software executables<sup>4</sup>

## Power

- Built-in, auto-sensing IEEE 802.3af Power over Ethernet
- External Universal AC adapter (included 48V DC)<sup>5</sup>

## 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%-85% (noncondensing)

## Storage Temperature

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

## SoundPoint IP 670 Comes with:

- SoundPoint IP 670 console
- Handset with handset cord
- Base stand
- Network (LAN) cable
- Universal power adapter (including country-specific cord kit)<sup>5</sup>
- 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)

## Part Numbers/UPC Codes

- 2200-12670-001/610807681793 for NA, TWN
- 2200-12670-002/610807684053 for Japan
- 2200-12670-012/610807684060 for AU, NZ
- 2200-12670-015/610807684077 for UK, HK, Singapore, Malaysia
- 2200-12670-016/610807684084 for Korea
- 2200-12670-022/610807684091 for China
- 2200-12670-122/610807684114 for ROE
- 2200-12670-025/610807681809, PoE version for worldwide

## Box Dimensions/Weight

- 13.0 x 15.5 x 6.0 in (33 x 39.5 x 15 cm) (L x W x H)
- 4.83 lb (2.19 kg) - includes all packaging material

## 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 3.0.2 RevB or higher.
- Requires BootROM version 4.1.0 or higher.
- Universal power adapter not included in the PoE version (P/N: 2200-12670-025).

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