

Polycom® VoIP Products

The Power of a Network. The Simplicity of a Phone.

Polycom is a leading independent supplier of standards-based Voice over IP (VoIP) endpoints. As Polycom VoIP phones are fully interoperable with leading IP PBX and Softswitch platforms¹, you can have a variety of end-to-end, fully integrated VoIP solutions to choose from. VoIP solutions that feature Polycom phones provide a high-quality, rich communications experience, deliver productivity-enhancing new applications, and offer significant cost savings through consolidation of network costs for voice and data, and elimination of costs of phone moves, additions, and changes.

Polycom Offers the Right VoIP Endpoints to Meet Your Business Communication Needs

Polycom provides an assortment of VoIP phone models plus a choice of supported protocols and call management solutions to match the unique business communication requirements of your organization. The Polycom VoIP product portfolio includes the SoundPoint® IP family of desktop phones, an attendant console based on the SoundPoint IP 601 and Expansion Module, and the SoundStation® IP 4000 conference phone. Our phones are engineered to deliver a superb communications experience. They offer outstanding sound quality, advanced functionality, ease of use, simplified configuration and upgrades, and protection of your investment over time.

Outstanding Sound Quality

Polycom VoIP phones leverage the legendary Acoustic Clarity Technology – validated by 13 years of market leadership in voice conferencing – to deliver exceptional sound quality and full-

duplex² interactive conversations that are as natural as being there. Polycom VoIP phones also incorporate features to ensure superb voice quality on the network. They include IEEE 802.1 p/Q and Layer 3 TOS QoS support, dynamic jitter buffer, and sophisticated packet loss concealment algorithms. Polycom VoIP phones enhance the productivity of your calls because you spend less time trying to hear what other people are saying, and more time communicating with them.

Advanced Functionality³

Polycom's cutting-edge software enables enhanced call handling, security, and advanced applications on Polycom VoIP phones. Multiple call- and flexible line⁴ appearances, HTTPS secure provisioning⁴, presence, instant messaging, three-way local conferencing, and custom ring tones are just a few of the many software features⁵ developed to augment the customer experience.

Ease of Use

Polycom VoIP endpoints offer an easy transition from traditional PBX systems to the world of IP telephony. Polycom VoIP phones boast an intuitive user interface, encompassing a large LCD display that delivers content for messaging, call information, directory access, and applications; familiar PBX-like function keys and context-sensitive soft keys for one-button access to common telephony features.

Ease of Installation and Support

Polycom VoIP phones are designed to make installation, configuration, and support as sim-

ple and efficient as possible. The phones can be centrally configured and upgraded in the field from a network-connected server. Polycom desktop VoIP phones boast dual switched Ethernet ports for LAN and PC connection, so you can leverage existing CAT 5 wiring and avoid additional cabling. Polycom desktop VoIP phones also offer a choice of powering options and support both an external AC adapter and Power over Ethernet (Cisco® Inline Power and IEEE 802.3af).

Investment Protection

Polycom VoIP phones are your future-proof choice for business IP communications. Our standards-based phones can be upgraded to new software and firmware in the field. Polycom VoIP phones will meet your evolving needs, whether you must switch to a new call server solution, or just prefer to keep your organization on the cutting edge of developments in standard-based protocols.

A Full Family of VoIP Phones to access the power of Polycom unified collaborative communications solutions

With the greatest breadth and depth of integrated video, voice, and Web solutions, only Polycom delivers the ultimate communications experience. Our market-leading conferencing and collaboration technologies, supported by world-class service, enable people and organizations to maximize their effectiveness and productivity. Add to that the most experience and proven best-practices in the industry, and it's clear why Polycom has become the smart choice for organizations seeking a strategic advantage in a real-time world.

¹ Please visit http://forms.polycom.com/audio_files/techpartners.htm for a full list of supported IP PBX and Softswitch solutions.

² On all models, except for the SoundPoint IP 300 and 301.

³ Features must be supported by the call server. Please contact your IP PBX or Softswitch vendor for a list of supported features.

⁴ Requires SIP version 1.5.x or higher.

⁵ Not all Polycom VoIP phones support all features. Please refer to the product documentation (user guides and data sheets) for details.

Polycom VoIP Products Comparison



Feature	SoundPoint IP 300	SoundPoint IP 301	SoundPoint IP 500	SoundPoint IP 501
LCD Display	4 line x 20 character monochrome	4 line x 20 character monochrome	160 x 80 pixel graphical grayscale	160 x 80 pixel graphical grayscale
Unicode Characters Support			■ No Asian characters	■ No Asian characters
SoundPoint IP Expansion Module Support				
Audio Features				
Handset Operation	■	■	■	■
Headset Operation Through Independent Jack	■	■	■	■
Full-Duplex Hands-Free Operation (Acoustic Clarity Technology)			■	■
Voice Activity Detection	■	■	■	■
Packet Loss Concealment	■	■	■	■
Acoustic Echo Cancellation (Hands Free Only)			■	■
Background Noise Suppression			■	■
Comfort Noise Fill	■	■	■	■
Local 3-Way Conferencing	■	■	■	■
Codec Support: G.711 μ/A And G.729A (Annex B)	■	■	■	■
Dynamic Jitter Buffers	■	■	■	■
Telephony Features				
Lines	2	2	3	3
Line/Speed Dial Keys	2	2	3	3
Mute, Headset, and Hands Free Keys	Mute and headset	Mute and headset	■	■
Context Sensitive Soft Keys	3	3	4	4
Display/Menu Navigation Keys	2	2	6	6
Flexible Line Appearances ²	■	■	■	■
Multiple Call Appearances	■	■	■	■
Message Alert Indicator	■	■	■	■
Security Features				
HTTPS Secure Provisioning ²		■		■
URL Syntax for Boot Server Address ³	■	■	■	■
Support for "Signed" Software Executables ³	■	■	■	■
Networking/Connectivity				
Dual 10/100 Mbps Switched Ethernet Ports	■	■	■	■
QoS Support – IEEE 802.1 P/Q, Layer 3 TOS	■	■	■	■
Software Upgradeability in the Field	■	■	■	■
Power Options				
AC Power	■	■	■	■
Power Over Ethernet (Cisco)	■ ⁴	■ ⁴	■ ⁴	■ ⁴
Power Over Ethernet (IEEE 802.3af)	■ ⁴	■ ⁴	■ ⁴	■ ⁴
Protocol Support				
IETF MGCP V1.0 With NCS	■	■	■	■
SIP (RFC 3261)	■	■	■	■
SIP Interoperability with Polycom MGCTM	■	■	■	■

¹ SoundPoint IP 301 and 501 are available in North America, Australia, New Zealand. SoundPoint IP 501 is also available in Japan. SoundPoint IP 300 and 500 are marketed in the rest of the world.

² Requires SIP version 1.5.x or higher.

³ Requires BootRom 3.0 or higher.

⁴ With optional cable (IEEE: 2200-11077-002, Cisco: 2200-11014-002)



SoundPoint IP 600



SoundPoint IP 601



SoundStation IP 4000

SoundPoint IP Expansion Module

320 x 160 pixel graphical grayscale

320 x 160 pixel graphical grayscale

160 x 320 pixel graphical grayscale

248 x 68 pixel backlit graphical



Up to 3 Expansion Modules



Through the host phone



Through the host phone



Through the host phone



Through the host phone



Through the host phone



Through the host phone



Through the host phone



Through the host phone



Through the host phone



Through the host phone



6

6 (12 with Exp. Module)

1

6

6 (48 with 3 Exp. Modules)

14



Through the host phone

4

4

3

6

6

3



Through the host phone



Through the host phone



Through the host phone



Through the host phone



Through the host phone

Single 10/100 Mbps Ethernet Port



Through the host phone



Through the host phone



Built-in, autosensing

Built-in, autosensing

Built-in, autosensing

Built-in, autosensing

Through the host phone



Future



Through the host phone



Through the host phone





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