

# Polycom® IP Telephones

## Features and Benefits

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

#### Why Polycom VoIP?

- Polycom is a *leading independent supplier* of standards-based IP telephones.
- To offer you a *choice of end-to-end, integrated VoIP solutions*, Polycom ensures that your Polycom phones are fully interoperable with leading standards-based IP PBX and Softswitch platforms<sup>1</sup>.
- Polycom's *comprehensive product portfolio* encompasses the SoundPoint® IP family of desktop phones, the attendant console based on the SoundPoint IP 601 and Expansion Module, and the SoundStation® IP 4000 conference phone.

#### Features and Benefits

##### Outstanding Voice Quality

- Polycom's legendary Acoustic Clarity Technology has been validated by 15 years of market leadership in voice conferencing:
  - Exceptional sound quality, echo cancellation, and noise reduction
  - Interactive two-way conversations that are as natural as being there
    - Polycom full-duplex<sup>2</sup> speakerphones are compliant with IEEE 1329 standards
- Network-related provisioning for superb voice quality:
  - Quality of Service – IEEE 802.1 p/Q, Layer 3 TOS, and DSCP<sup>3</sup>
  - Dynamic jitter buffer
  - Sophisticated packet loss concealment algorithms

##### Enhanced Call Handling, Security, and Advanced Applications<sup>3,4</sup>

- Support of up to 24 simultaneous calls on up to 12 lines
- Shared call / bridged line appearance
- Busy Lamp Field (BLF)<sup>4</sup>
- Multiple call- and flexible line appearances
- TLS security<sup>3</sup>, encrypted configuration files<sup>3</sup>, HTTPS secure provisioning<sup>7</sup>, support of "signed" software executables<sup>7</sup>, URL syntax for boot server address<sup>7</sup> and digest authentication
- Microsoft® LCS 2005 interoperability for telephony and presence<sup>3</sup>
  - Compatibility with Microsoft Office Communicator and Windows® Messenger 5.1 clients

##### Ease of Use

- Polycom IP phones provide an easy transition from legacy PBX and Key Systems to the world of IP telephony:
  - Intuitive user interface
  - Large, high-quality LCD displays with up to 320x160 pixel resolution
  - A combination of up to 26 dedicated hard keys and up to 4 context-sensitive soft keys for one-touch access to essential features

##### Efficient Installation, Provisioning, and Upgrades

- Polycom IP phones are designed to make installation, configuration, and upgrades as simple and efficient as possible:
  - Centralized provisioning and upgrades from an FTP, TFTP, HTTP, or HTTPS<sup>7</sup> server
  - Support of provisioning server redundancy<sup>3</sup>
  - Manual or DHCP set-up. Web configuration
  - Dual switched 10/100 Mbps Ethernet ports for LAN and PC connection (SoundPoint IP only)
  - Choice of powering options for SoundPoint IP: AC adapter or Power over Ethernet

##### Investment Protection

- Polycom IP phones can be upgraded to new software and firmware in the field so as to consistently meet your business communication needs as protocols develop and standards evolve
- Since Polycom IP telephones are standards-based, there is no need to replace them when upgrading or replacing your standards-based call server solution

<sup>1</sup> Please visit <http://www.polycom.com/techpartners.htm> for a full list of supported IP PBX and Softswitch solutions.

<sup>2</sup> The SoundPoint IP 301 has a monitor-only speakerphone.

<sup>3</sup> Requires SIP version 2.0.x or higher.

<sup>4</sup> Most features must be supported by the call server. Please contact your IP PBX / Softswitch vendor or service provider for a list of supported features.

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

<sup>7</sup> Requires BootROM 3.0.x or higher.



TOGETHER, GREAT THINGS HAPPEN.