Polycom® SoundPoint IP® 430

Polycom-quality full-duplex speakerphone, graphical LCD, and built-in PoE support in a two-line SIP phone

The SoundPoint IP 430 two-line desktop IP phone is designed to meet telephony needs of general business users – cubicle workers involved with a low-to-medium volume of telephone calls. With its simple menu navigation, easy-to-read graphical LCD display, and convenient, one-button access to essential telephony features, the SoundPoint IP 430 desktop phone provides an easy transition from legacy PSTN systems to the world of IP telephony.

The SoundPoint IP 430 desktop IP phone's full-duplex speakerphone featuring Polycom Acoustic Clarity Technology delivers excellent voice quality and enables two-way interactive conversations that are as natural as being there.

An enterprise-grade IP phone, the SoundPoint IP 430 delivers a robust feature set1 encompassing traditional telephony features such as call hold, park, pick-up, and transfer, as well as more advanced capabilities such as shared call / bridged line appearance, multiple call appearances, and integration with Microsoft® LCS 2005 for telephony and presence[2]. The phone's Quality of Service capabilities encompassing Layer 3 TOS, 802.1 p/Q VLAN tagging, and DSCP2 help ensure that a superb communications experience is delivered in a network environment.

With integrated IEEE 802.3af Power over Ethernet circuitry and a dual-port 10/100 Mbps Ethernet switch for PC and LAN connection, the SoundPoint IP 430 desktop phone offers a choice of powering and cabling options to help reduce cabling expenses and cord clutter. A highly secure IP telephony endpoint, the phone supports HTTPS[3] and TLS[2] security, "signed" software executables[3], and encrypted configuration files[2].

Make Great Things Happen with Polycom SoundPoint IP 450
In today's Internet driven world, the ability to conduct real time communication and collaboration has become critical to an organizations survival. As the market leader in voice, video, data and Web solutions, our award-winning IP telephony and 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 IP telephony and application solutions. Because when people work together, great things happen. See how you, too, can achieve great things with the Polycom SoundPoint IP 430 desktop phone.

Benefits
▶ **Proven** – Polycom is a leading independent supplier of standards-based IP telephones

▶ **Natural two-way conversations** – Full-duplex speakerphone enables simultaneous conversations that are as natural as being there

▶ **Intuitive user interface**
- 132x46 pixel graphical LCD
- Intuitive menu navigation
- Combination of dedicated feature key and context-sensitive soft keys

▶ **Robust feature set**
- Shared call / bridged line appearance
- Integration[1,2] with Microsoft LCS 2005 for telephony and presence
- HTTPS[3] and TLS[2] security
- Quality of Service support

▶ **Choice of powering options**
- AC adapter
- Integrated Power over Ethernet support

1. Most features must be supported by the call server. Please contact your IP PBX / Softswitch vendor or VoIP service provider for a list of supported features.
2. Requires SIP version 2.0.x or higherprovider for a list of supported features.
3. Requires BootROM version 3.0.x or higher.

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Display
- 132 x 46 pixel graphical LCD
- Message waiting indicator

Keys
- 2 line keys with bi-color LEDs
- 9 dedicated keys
  - 2 volume control keys
  - 3 feature keys
  - Mute key
  - Headset key
  - Hands-free speakerphone key
  - Hold key
- 4 context-sensitive soft keys
- 5 display control keys

Power
- Integrated IEEE 802.3af Power over Ethernet support
- External universal AC adapter (included, 24V DC)
- Power consumption: 3.0W nominal (3.8W max) Note: Power consumption indicated may be exceeded under start-up conditions. Customers should always use the original power source supplied with the phone

Headset Capability
- Amplified headsets with an RJ-9 jack are recommended
- Hearing Aid Compatible (HAC) in accordance with Section 508 Standards for Electronic and Information Technology, Telecommunication Products (1194.23)

Audio
- Full-duplex speakerphone with Polycom Acoustic Clarity Technology
- Headset, handset, and hands-free modes
- Local 3-way conferencing
- Individual volume settings with visual feedback for each audio path
- Customizable audio sound effects
- Support for G.711 µ/A and G.729A (Annex B) codecs
- Adaptive jitter buffers and packet loss concealment algorithms
- Acoustic echo cancellation
- Voice activity detection and comfort noise fill
- Telephony Tone Signaling (RFC2833)
- Record and playback for diagnostic purposes

Call Handling Features[2]
- 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

Network and Provisioning
- Dual 10/100 Mbps switched Ethernet ports
- Manual or dynamic host configuration protocol (DHCP) setup
- Time and date synchronization using SNTP
- Central provisioning for mass deployments from an FTP, TFTP, HTTP, or HTTPS[3] server. Provisioning server redundancy supported[2]
- QoS support - IEEE 802.1 p/Q tagging (VLAN), Layer 3 TOS, and DSCP[2]
- Network Address Translation (NAT) support
- RTCP support (RFC1889)
- Event logging
- User-selectable hardware diagnostics (Network/CPU/Memory monitoring)

Protocol Support
- IETF SIP (RFC 3261 and companion RFCs)

Security[1]
- Transport Layer Security (TLS)[2]
- Encrypted configuration files[2]
- Digest authentication
- Password login
- Support for URL syntax with password for boot server[3]
- HTTPS secure provisioning[3]
- Support for signed software executables[3]

Feature Summary[1]
- Up to 2 dedicated lines
- Local feature-rich GUI
- Shared call / bridged line appearance
- Multiple call appearances
- Flexible line appearances
- Call transfer, hold, divert (forward)
- Called, calling, connected party identification / information
- One-touch speed dial, redial
- Local 3-way conferencing
- User configurable contact directory and call history (Missed, placed and received)
- Integration with Microsoft LCS 2005 for telephony and presence[2]
  - Compatibility with Microsoft Office Communicator and Windows® Messenger 5.1 Clients
- Distinctive incoming call treatment / call waiting
- Automatic on-hook call placement ("hot-dial")
- Do Not Disturb function
- Call timer
- Multilingual user interface supporting Danish, Dutch, English (Canadian / UK / US), French, German, Italian, Norwegian, Portuguese, Russian, Spanish, and Swedish languages
- Country-specific call progress tones
- Wave file support for call progress tones
- Hardware diagnostics
- Status and statistics query

SoundPoint IP 430 Comes with:
- SoundPoint IP 430 console
- Handset and handset cord
- Reversible desk-mount / wall-mount stand
- Network cable
- Universal power adapter (including country-specific cord kit)
- Quick Start Guide
- Product registration card

Approvals
- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55022 Class B
- CISPR22 Class B
- AS/NZS 3548 Class B
- VCCI Class B
- EN55024
- EN61000-3-2; EN61000-3-3, EN61000-6-1
- ROHS compliant

Safety
- UL 60950
- CE Mark
- CAN/CSA C22.2 No. 60950
- EN 60950
- EN61000-4-2
- EN61000-4-4
- EN61000-4-11
- IEC 60950
- AS/NZS 3260

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)

Size
- 8.25 in x 6.5 in x 7.0 in x 1.25 in (21 cm x 16.5 cm x 18 cm x 3 cm) (W x H x D x T)

Weight
- Shipping: 4.0 lb (1.9 kg)

Part Numbers/UPC Codes
- 2200-12430-001 (North America, Taiwan)
- 2200-12430-002 (Japan)
- 2200-12430-012 (Australia/New Zealand)
- 2200-12430-015 (APAC, UK)
- 2200-12430-122 (Rest of Europe)

Warranty
- One year