DATA SHEET

Polycom® SoundStation® Duo

Dual-mode conference phone



The obvious choice for crystal clear group audio conferencing

Large organization or small, thousands of conference rooms or just one, you have a need to bring dispersed teams, business partners, and customers together to communicate and collaborate. Conference phones from Polycom have become the de facto standard for connecting groups of people across multiple locations. With the Polycom® SoundStation® Duo conference phone, Polycom has taken the concepts of group productivity tool and standard office workhorse to a new level for small to midsize rooms, delivering the ultimate in deployment flexibility, ease of use, and audio quality.

Unrivaled investment protection with the broadest connection options

Whether you currently have a traditional analog connection or have already migrated to Voice over IP (VoIP) telephony, the Polycom SoundStation Duo conference phone works. In VoIP environments, the SoundStation Duo delivers the most robust standards-based interoperability in the industry.

Lower cost of deployment and administration

Setting up the SoundStation Duo for analog operation is as simple as plugging it in. In open SIP-based VoIP environments, a web-based tool assists with setup and facilitates online software upgrades. A large backlit display with broad multi-language support offers call information and context sensitive call functions.

Crystal-clear voice conferencing with no compromises

Backed by Polycom's legendary audio technology, the SoundStation Duo phone delivers remarkably clear voice quality. From Polycom® HD Voice™ technology and full-duplex audio to the latest in echo cancellation and resistance to mobile phone and wireless device interference, the SoundStation Duo conference phone delivers unrivaled group conferencing experiences without distractions.

Benefits

- **Built-in investment protection**—Use in analog or IP mode and keep it up-to-date with simple online software upgrades
- **Robust interoperability**—Compatible with a broad array of IP call platforms to maximize voice quality and feature availability while simplifying management and administration
- **Business continuity**—Auto failover from IP to analog and failback for continuous operation in case of a network failure
- **Unparalleled voice clarity**—Polycom® HD Voice™ technology makes your IP conference calls more effective and productive
- **Easy to deploy and administer**—Web configuration tool eliminates the need for a boot server
- **Superior call handing, security, and provisioning**—Leveraging the most advanced IP endpoint software in the industry
- **Unmatched flexibility**—Connect to mobile phones and PCs for Internet dialing

Product specifications

Power

- IEEE 802.3af Power over Ethernet
- External universal AC power supply: 100–240 V, 24 V, 0.5 A, 2.5 mm DC plug

Display

- Size (W x H): 248 x 68 pixels
- White LED backlight with custom intensity control

Keypad

- Standard 12-key keypad
- Context-dependent soft keys: 4
- On-hook/Off-hook, conference, redial, mute, volume up/down, menu, 5-way navigation keys

Audio features

- 3 cardioid microphones: 200–7000 Hz
- Loudspeaker frequency response: 220–7000 Hz
- 10 ft (3 m) microphone pickup
- Volume
  - Adjustable to 86 dB at 0.5 meter peak volume
- Full-duplex
  - Type 1 compliant with IEEE 1329
- 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
- Supported codecs
  - G.711 (A-law and Mu-law)
  - G.729a (Annex B)
  - G.722
  - iLBC 13.33 and 15.2kbps

SIP call handling features

- Call hold*
- Call transfer, divert (forward) and pickup
- Distinctive incoming call treatment/ call waiting
- Advanced Local three-way conferencing (conference, join, split, hold, resume)
- One-touch speed dial, redial*
- Remote missed call notification
- Automatic off-hook call placement
- SIP URI dialing
- Do not disturb function
- Shared call/bridged line appearance
- Busy Lamp Field (BLF)
- Multicast Group Paging and Push-to-Talk

Other features

- Automated failover (SIP to PSTN)
- SIP Server Redundancy
- Time and date display/call timer
- User-configurable contact directory and call history (missed, placed, and received)
- Corporate Directory (LDAP) support
- User selectable ringer tones
- Wave file support for call progress tones
- Unicode UTF-8 character support
- Multilingual user interface encompassing Simplified Chinese, Traditional Chinese Danish, Dutch, English (Canada /US/ UK), French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovenian, Spanish, Swedish
- Called, connected party information
- Support for multiple Caller ID standards**
  - Bellcore Type 1
  - ETSI
  - DTMF

Interfaces

- Ethernet 10/100 Base-T
- Two-wire RJ-11 analog PBX or PSTN interface
- 2.5 mm connection port***
- 2 RJ9 ports for wired expansion microphones

Network and provisioning

- IP Address Configuration
  - DHCP and Static IP
- Time synchronization with SNTP server
- FTP/TFTP/FTPS/HTTP/HTTPS server-based central provisioning for mass deployments. Provisioning server redundancy supported.
- Web portal for individual unit configuration and online software upgrade
- QoS Support—IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS and DSCP
- Telchemy® VQmon® support
- Network Address Translation (NAT) support—static
- RTCP support (RFC 1889)
- Configuration import/export
- Local digit map (dialing plan)
- Hardware diagnostics
- Status and statistics
- Reset to factory settings

Security

- Transport Layer Security (TLS)
- Encrypted configuration files
- Digest authentication
- Password login
- Support for URL syntax with password for boot server
- HTTPS secure provisioning
- Support for signed software executables
- IEEE 802.1x Network Access Control

Safety

- CE Mark
- EN60950-1
- IEC60950-1
- UL60950-1
- CAN/CSA C22.2 No.60950-1-03
- AS/NZS60950-1
- RoHS Compliant

EMC

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55022 Class B
- CISPR22 Class B
- AS/NZS CISPR22 Class B
- VCCI Class B
- EN22024

Telecom

- FCC Part 68
- AS/ACIF S002/S004
- Telepermit
- KC
- GOST-R
- TRA

Protocol support

- IETF SIP (RFC 3261 and companion RFCs)

SoundStation Duo ships with

- Conference phone console
- 21 ft (6.4 m) combined analog and Ethernet cable with power injection module
- Universal power supply 24 V, 0.5 A
- 7 ft (2.1 m) region-specific power cord
- 7 ft (2.1 m) Ethernet cable
- 7 ft (2.1 m) telephony cable (RJ11)
- Quick Start Guide

Accessories

- 2 x expansion microphones 200–7000 Hz

Environmental conditions

- Operating temperature
  - 32–104° F (0–40° C)
- Relative humidity
  - 20–85% (non-condensing)
- Storage temperature: -22–131°F (-30–55°C)

Warranty

- 1-year

Country of origin

- 2200-19000-001 - Made in China
- G2200-19000-001 - Assembled in USA

Phone dimensions (L x W x H)

- 15.6 x 12.9 x 2.5 in (34.6 x 32.7 x 6.4 cm)

Phone console weight

- 1.62 lb (0.74 kg)

Box dimensions (L x W x H)

- 13.9 x 18 x 3.7 in (35.3 x 45.8 x 9.4 cm)

Box weight

- 4.56 lb (2.06 kg)

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* Also available in PSTN mode

** Due to the diversity of Caller ID standards, some features may not be available in all areas. In addition, the quality of the telephone line connection may affect Caller ID functionality. Caller ID service may require a subscription from a service provider in your area.

*** SoundStation Duo uses a cable that connects to a standard 2.5mm headset connector. If your mobile phone model or PC does not support this type of connection you will need an adapter (not included).

About Polycom

Polycom helps organizations unleash the power of human collaboration. More than 400,000 companies and institutions worldwide defy distance with video, voice and content solutions from Polycom. Polycom and its global partner ecosystem provide flexible collaboration solutions for any environment that deliver the best user experience and unmatched investment protection.

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