DATA SHEET

Polycom® VVX® 250 Business IP Phone

Four-line, basic IP desk phone with color display

The Polycom® VVX® 250 business IP desk phone is a high quality, four-line, IP phone that delivers reliable performance and an enterprise grade sound quality. It is ideal for knowledge workers, cubicle workers who need the high-quality features that today's modern business environment demands.

Industry's best audio

The VVX 250 offers both Polycom® HD Voice™ and Polycom® Acoustic Fence™ technologies. Together, they dramatically improve the most important component of the VVX experience—voice clarity.

HD Voice delivers superior, high definition sound quality through industry leading, advanced voice processing capabilities. The Polycom's exclusive Polycom Acoustic Fence technology keeps business conversations free from extraneous noises, echoes and distractions.

Intuitive user interface

The VVX 250 combines an attractive new ergonomic hardware design and an intuitive user interface that together reduce the time spent learning new features and functions. The VVX 250 improves personal productivity by offering end users easy access to the most frequently used call functions, such as directory, hold/resume and transfer.

Easy deployment and administration

The Polycom VVX 250 integrates seamlessly into a wide range of UC environments. The enterprise-grade, web-based configuration tool makes the installation of the VVX 250 a breeze, allowing administrators to easily provision large numbers of phones throughout the entire organization. The VVX 250 phones are easy to deploy and administer for Service Providers and IT staff via broad, standards based, open APIs.

Benefits

- Make more natural and life-like calls with Polycom HD Voice
- 2.8" color display: an engaging experience offering visual information at a glance
- Two Gigabit Ethernet ports offer cost savings and performance benefits
- USB port enables users to move data around more quickly
- Integrates with more than 60 industry leading call control platforms
- Web-based configuration tool makes the VVX 250 phones easy to administer, a breeze to upgrade and maintain throughout their entire lifecycle

Product specifications

User interface features

- 2.8" color LCD screen (320x 240 pixel resolution)
- Voicemail support1
- WebKit-based browser
- Adjustable base height
- Unicode UTF-8 character support
- Single USB port (2.0 compliant) for media and storage applications
- Multilingual user interface including Chinese, Danish, Dutch, English (Canada/US/UK), French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovenian, Spanish, and Swedish

Audio features

- Polycom® HD Voice™ technology delivers lifelike voice quality for each audio path handset, the hands-free speakerphone, and the optional headset
- Polycom® Acoustic Clarity™ technology providing full-duplex conversations, acoustic echo cancellation and background noise suppression
- Type 1 compliant (IEEE 1329 full duplex)
- Frequency response—150 Hz—7 kHz for handset, optional headset and handsfree speakerphone modes
- Codecs: G.711 (A-law and μ-law), G.729AB, G.722, G.722.1, iLBC
- Individual volume settings with visual feedback for each audio path
- Voice activity detection
- Comfort noise generation
- DTMF tone generation (RFC 2833 and in-band)
- Low-delay audio packet transmission
- Adaptive jitter buffers
- Packet loss concealment
- OPUS support

Headset and handset compatibility

- Dedicated RJ-9 headset port
- Hearing aid compatibility to ITU-T P.370 and TIA 504A standards
- Compliant with ADA Section 508 Subpart B 1194.23 (all)
- Hearing aid compatible (HAC) handset for magnetic coupling to hearing aids
- Compatible with commercially-available TTY adapter equipment

Call handling features

- 4 lines (programmable line keys)
- Shared call/bridged line appearance
- Busy Lamp Field (BLF)
- Flexible line appearance (1 or more line keys can be assigned for each line extension)
- Distinctive incoming call treatment/call waiting
- Call timer and call waiting
- Call transfer, hold, divert (forward), pickup
- Called, calling, connected party information
- Local 3-way audio conferencing 1-touch speed dial, redial
- Remote missed call notification
- Do not disturb function
- Electronic hook switch capable
- Local configurable digit map/dial plan

Open application platform

- WebKit-enabled full browser that supports HTML5, CSS, SSL security, and JavaScript
- Supports Polycom Apps SDK and API for third-party business and personal applications
- Bundled with Polycom UC Software:
- Corporate directory access using LDAP
- Visual Conference Management

Network and provisioning

- SIP Protocol Support
- SDP
- IETF SIP (RFC 3261 and companion RFCs)
- Two-port gigabit Ethernet switch 10/100/1000Base-TX across LAN and PC ports
- Conforms to IEEE802.3-2005 (Clause 40) for Physical media attachment
- Conforms 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/TFTP/HTTP/HTTPS server-based central provisioning for mass deployments
- Provisioning and call server redundancy supported[1]
- QoS Support—IEEE 802.1p/Q tagging
- (VLAN), Layer 3 TOS, and DHCP
- VLAN—CDP, DHCP VLAN discovery,
- LLDP-MED for VLAN discovery
- Network address translation support for static configuration and "keep-alive"
- SIP signaling
- RTCP and RTP support
- Event logging
- Syslog
- Hardware diagnostics
- Status and statistics reporting
- IPv4 and IPv6
- TCP
- UDP
- DNS-SRV

Security

- 802.1X Authentication and EAPOL Media encryption via SRTP
- Transport layer security)
- Encrypted configuration files
- Digest authentication
- Password login
- Support for URL syntax with password for boot server address
- HTTPS secure provisioning
- Support for signed software executables

Power

- Built-in auto sensing IEEE 802.3af Power over Ethernet (Class 2) 4.5 W (Max)
- External Universal AC/DC Adapter (optional) 5VDC @ 3A (15W)
- ENERGY STAR® rated

Approvals

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55032 Class B
- ISPR32 Class B
- VCCI Class B
- EN55024
- EN61000-3-2; EN61000-3-3
- NZ Telepermit
- Korea KCC[3]
- UAE TRA
- Russia CU[3]
- Brazil ANATEL[3]
- Australia RCM
- South Africa ICASA[3]
- Saudi Arabia CITC
- China CCC[3]
- RoHS Compliant

Safety

- UL 60950-1/62368-1
- CE Mark
- CAN/CSA C22.2 No 60950-1/62368-1-1
- EN 60950-1/62368-1
- IEC 60950-1/62368-1
- AS/NZS 60950-1

Operating conditions

- Temperature: 0 to 40°C (+32 to 104°F)
- Relative humidity: 5% to 95%, noncondensing

Storage temperature

- -40 to +70°C (-40 to +160°F)

Polycom® VVX® 250 comes with

- Console
- Desk Stand/Wall Mount Bracket
- Handset with handset cord
- Network (LAN) Cable—CAT-5E
- Setup Sheet

Size

- 24cm x 23cm x 5.7cm WxHxD
- 9.4in x 10in x 2.2in WxHxD

Part number

- 2200-48820-025 VVX 250 WW PoE

Weight

- Carton weight: 0.890kg (1.96 lbs)

Master carton quantity

- Ten (10)

Warranty

- One (1) year

1. 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.
2. Available in future UC Software release
3. Planned compliance and localization

Learn more

To learn more about VVX, visit *http://www.polycom.com/voice-conferencing-solutions/desktop-ip-phones.html*.

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