

DATA SHEET

# Polycom® VVX® 250 Business IP Phone— OBi Edition

## Four-line, basic IP desk phone with color display

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

### Industry's best audio

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

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

### Unparalleled flexibility

Polycom VVX 250 OBi edition is flexible, so every pixel can be customized, from labeling to key/button functionality. End users can change the look and feel of the phone interface to meet customer specifications and personalization. Custom skins can be built to incorporate product branding and colors or to reflect a corporate brand or image via Main Menu, Call Screen and Screen Saver.

### Intuitive user interface

The Polycom VVX 250 OBi edition combines an attractive ergonomic hardware design and an intuitive user interface that reduce the time spent learning new features and functions. The Polycom 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

Packaged with the OBi software, Polycom offers a device customization service known as OBi Zero-Touch, a proprietary cloud-based “late-customization” solution for service provider customers. This allows service providers to personalize their default-running configuration parameters, allowing service providers to ship devices to end users without the need to touch or pre-configure and re-package. OBi Zero-Touch is fully integrated with PDMS-SP, so deployed devices running OBi software can always be bootstrapped to the service provider's management domain.



### Benefits

- Make more natural and lifelike calls with Polycom HD Voice
- Unparalleled flexibility provides built-in customization, so every pixel can be personalized
- 2.8" color display delivers an engaging experience with visual information at a glance
- Two Gigabit Ethernet ports offer cost savings and performance benefits
- USB port enables users to connect to a Plantronics USB headset or a Wi-Fi 5G dongle
- The web-based configuration tool makes the Polycom VVX 250 phones easy to administer, upgrade and maintain throughout the entire lifecycle

## Product specifications

### User interface features

- 2.8" color LCD screen (320x240 pixel resolution)
- Voicemail support
- Adjustable base height
- Unicode UTF-8 character support
- Single USB port (2.0 compliant) for Plantronics USB headset or Wi-Fi 5G dongle
- 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 delivers lifelike voice quality for each audio path handset, the hands-free speakerphone, and the optional headset.
- Polycom Acoustic Clarity provides 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  $\mu$ -law), G.729AB, G.722, iLBC, OPUS
- 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

### 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

- OBi XML applications
- Corporate directory access using LDAP

### Network and provisioning

- SIP protocol support
- SDP
- IETF SIP (RFC 3261 and companion RFCs)
- Two-port gigabit Ethernet switch 10/100/1000 Base-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
- Static or dynamic host configuration protocol (DHCP) network setup
- Time and date synchronization using SNTP
- TFTP/HTTP/HTTPS server-based central provisioning for mass deployments
- Call server redundancy supported
- QoS Support—IEEE 802.1p/Q tagging
- (VLAN), Layer 3 TOS, and DHCP
- DHCP VLAN discovery,
- LLDP-MED for VLAN discovery
- Network address translation support for static configuration and "Keep-Alive"
- RTCP and RTP support
- Event logging
- Syslog
- Hardware diagnostics
- Status and statistics reporting
- IPv4
- TCP
- UDP
- DNS-SRV

### Security

- 802.1X authentication and EAPOL media encryption via SRTP
- Transport layer security (TLS)
- Encrypted configuration files
- Digest authentication
- Password login
- HTTPS secure provisioning
- Support for signed software executables

### Power

- Built-in auto-sensing IEEE 802.3af power over Ethernet (Class 2)
- 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 KCC3
- UAE TRA
- Russia CU3
- Brazil ANATEL3
- Australia RCM
- South Africa ICASA3
- Saudi Arabia CITC
- China CCC3
- 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

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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.