



## DATA SHEET

# Polycom OBi Software

## The industry's most flexible software for running in Open SIP environments

Polycom OBi software enables select Polycom VVX and OBi phones to deliver a rich collaboration interface that can be easily customized to meet the needs of service providers and end users alike.

### Unparalleled flexibility

Polycom OBi software offers flexibility, 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 via Main Menu, Call Screen and Screen Saver.

### Legendary, crystal-clear wideband audio performance, so you can hear every inflection

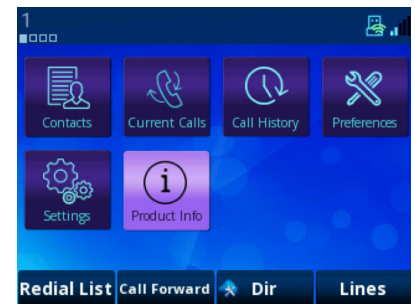
Polycom OBi software offers HD Voice for clear wide-band audio handset and speaker performance. Polycom Acoustic Fence delivers superior sound quality and enables noise- and echo-free conversations and noise reduction with advanced voice processing. Polycom Acoustic Clarity provides full duplex conversations, echo cancellation and background noise suppression.

### Easy implementation and manageability

Polycom OBi software-enabled devices are the easiest to implement endpoints in the industry. They offer hands-off deployment and hands-on support in a web-based configuration tool developed by Polycom called PDMS-SP. Complementary to Polycom OBi software, PDMS-SP enables easy administration, upgrades and maintenance for your deployed Polycom devices. Additionally, Polycom devices running OBi software can be deployed using OBi Zero-Touch, a cloud-based "late-customization" solution to configure your Polycom device's default-running parameters. This customization solution can be used as a method to bootstrap your devices to the service provider's management domain and/or to pre-provision parameters necessary to adapt to any on-site environment.

### Robust built-in troubleshooting tools

Polycom OBi software is equipped with a variety of tools to troubleshoot most voice, device and network issues. These built-in tools reside at almost all network connectivity layers the endpoint is entitled to—from locally inside the phone's graphical user interface to all the way in the PDMS-SP cloud. Service providers and their end users can use these built-in tools to accurately identify and quickly resolve issues.



### Benefits

- Improves desktop productivity for users at all levels of the organization
- Delivers an engaging experience with visual information at a glance
- Offers built-in customization for unparalleled flexibility
- Provides open SIP compatibility with multiple industry-standard call control platforms
- Easily configures and rolls out services, and provides ongoing support with the PDMS-SP cloud-based management platform
- Accurately identifies and quickly resolves issues with robust built-in troubleshooting tools
- Supports third-party applications using OBi XML APIs

### Open SIP desktop features

- Message waiting status programmable feature keys
- Customizable feature key configurations, icons and wallpapers
- Per SP service preferences
- Support for in-phone XML applications

### Polycom OBi software complete calling features

- Up to 48 virtual line keys
- 6 SIP services and 1 OBiTALK VoIP service
- Shared call/bridged line appearance
- Flexible line appearance (1 or more line keys assignable for each line extension)
- Call waiting (visual, audible, per-line)
- Call forward and private hold for shared lines
- Call park, pickup and directed call pickup
- Maximum sessions control
- Call hold, diversion (forward), transfer (consultation, blind), pickup
- Calling, called, connected party identification
- Caller ID privacy
- Conference bridging
- Centralized conference bridge support
- Local call forwarding (all, busy, no answer)—destination shown on idle display
- Automatic answer (intercom)
- Busy lamp field (BLF)
- Call park/retrieve
- Repeat dialing
- Anonymous call and call block
- Support for OBi XML apps and OBiTALK API for third-party business and personal applications
- Corporate directory access (using LDAP, BroadSoft and Google)

### Network and provisioning

- Distinctive incoming call treatment
- Do not disturb (DND)
- Automatic/remote answer on headset using electronic hook switch
- Local three-way conference with conference management
- One-touch speed dial, redial
- Directed call pickup
- Hold, resume, answer, conference remote control
- Shared call/bridged line appearance
- Auto-answer a page with a muted microphone
- PTT and multicast group paging

- IPv4 support
- Emergency proxy routing
- DHCP support
- User-controlled download
- SNTP time discovery from DHCP
- PoE 802.3af for power requirement notification
- SIP over UDP, TCP or TLS
- VLAN, DHCP VLAN discovery, LLDP-MED for VLAN discovery
- Automatic application upgrade/downgrade, network file transfer client

### Audio features/processing

- Handset, optional headset and hands-free speakerphone modes
- Audio codecs: G.711, G.729AB, G.722, iLBC, /8000/16000/32000/44100/48000, OPUS
- Individual volume levels with visual feedback for each audio path
- DTMF tone generation (in-band, RFC 2833 and SIP INFO)
- Low-delay audio packet transmission
- Adaptive jitter buffers
- Packet loss concealment
- Frequency response: 150 Hz–7 kHz for automatic gain control
- Background noise suppression
- Comfort noise fill
- DTMF tone generation/DTMF event RTP payload
- Low-delay audio packet transmission
- Multicast RTP
- Digital headset
- Individual volume settings with visual feedback for each audio path

### Headset and handset compatibility

- Dedicated RJ-9 headset port (with electronic hook switch), USB, Bluetooth
- 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 TTY adapter equipment
- MAC address (IEEE 802.3)
- UDP (RFC 768) in SSL/TLS
- TCP (RFC 793) in SSL/TLS
- IP version 4, IPv4 (RFC 791)—static IP and DHCP support
- ICMP (RFC 792)
- ARP—address resolution protocol

- Domain name system (DNS) A records (RFC 1706) and SRV records (RFC 2782) RTP (RFC 1889, 1890), RFC 5966
- RTP/RTCP (RFC 1889), DHCP client (RFC 2131)
- DiffServ (RFC 2475)—independently configured: service, SIP and media
- ToS (RFC 791, 1349)—independently configured: service, SIP and media
- VLAN tagging (802.1p)—independently configured: service, SIP and media
- SNTP (RFC 2030)—primary and secondary NTP servers
- LLDP-MED
- Two-port gigabit Ethernet switch with PoE
- Local access interface: IVR, web page—Password protected (admin and user level log-in)
- Remote access interface: Syslog (multi-level granularity), invocable via SIP notify, web, provisioning
- Device web page standard: HTTP v1.1, XML v1.0
- Remote provisioning: XML via TFTP or HTTP, (TR069/TR104 parameter naming syntax)
- Secure remote provisioning: HTTPS, encrypted XML via HTTP or TFTP—dedicated user name and password
- Secure remote firmware update: binary file via TFTP or HTTP + dedicated user name and password
- Customization: Obihai Zero-Touch automatic Customization and configuration session information: SIP session status, OBiTALK status, phone port status
- System settings backup/restore in XML

### Security

- Remote access interface: user name and password access via HTTP
- Device web page standard: HTTP v1.1, XML v1.0
- Secure remote provisioning: HTTP, HTTPS
- 802.1X authentication and EAPOL media encryption via SRTP
- Transport layer security (TLS) support

### Power

- Power over Ethernet
- VVx350/450: Class 0
- VVx150/250: Class 2
- Built-in auto-sensing IEEE 802.3af
- External universal AC/DC adapter (optional) 5VDC @3A (15W)

## 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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