

# Polycom® VVX® 411 Series of Business Media Phones

A color mid-range business media phone for today's office workers and call attendants delivering crystal clear communications.

The Polycom® VVX® 411 is an expandable color business media phone that delivers crystal clear communications enhanced collaboration and personal productivity.

#### **Simplicity and ease-of-use**

The VVX 411 phone brings high-quality, cost effective solution to front line staff handling moderate volume of calls through advanced UC telephony features. The intuitive color user interface of the VVX 411 makes navigation easy and requires minimal training.

#### **Unsurpassed voice quality and clarity**

The VVX 411 delivers breakthrough Polycom® HD Voice™ quality for life-like conversations, while minimizing fatigue making calls more efficient and productive.

#### **Maximize productivity**

Give your front line staff the best experience with this high quality twelve line color business media phone. The VVX 411 improves personal productivity by complementing the workplace applications on the computer. Users can view and manage their Microsoft Exchange Calendars, receive meeting reminders and alerts, access the corporate directory and Instant Messaging/presence status right on their phone display, even while waiting for their PC to boot. They can also extend their PC's desktop to include the VVX 411 phone's screen for mouse/keyboard navigation and interaction.

#### **Best-in-class deployment and administration**

The VVX 411 phone is easy to deploy and simple to manage. Using an enterprise-grade, web-based, configuration

method allows administrators to easily provision and maintain even a small number of phones throughout the entire organization.

#### **Customizable and expandable**

The VVX 411 phone provides personalized information at a glance, through built-in web applications and custom backgrounds. The VVX 411 phone also comes ready for future expansion modules as your users' need and business grows.

#### **Market-leading open standards interoperability**

Designed for enhanced interoperability, the VVX 411 leverages and complements the other existing IT investments in your business. With the broadest call server interoperability in the industry, the Polycom VVX 411 mid-range business media phone can become the flexible and future-proof foundation for any organization's communications strategy.



## Polycom® VVX® 411 Specifications

### User interface features

- Backlit 3.5" color LCD (320 x 240) resolution
- Voicemail support<sup>2</sup>
- WebKit-based Browser
- Adjustable base height
- Unicode UTF-8 character support. Multi-lingual 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 life-like voice quality for each audio path—handset, the hands-free speakerphone, and the optional headset<sup>1</sup>
- 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 hands-free speakerphone modes
- Codecs: Codecs: G.711 (A-law and  $\mu$ -law), G.722
- 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<sup>2</sup>

- 12 lines (programmable line keys)
- Shared call/bridged line appearance
- Busy Lamp Field (BLF)
- Flexible line appearance (one 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 three-way audio conferencing
- One-touch speed dial, redial
- Remote missed call notification
- Do not disturb function
- 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
  - 10/100Base-TX across LAN and PC Ports
  - 1000Base-TX available on VVX410
  - Conforms to IEEE802.3-2005 (Clause 40 for Physical Media Attachment)
  - Conforms to IEEE802.3-2002 (Clause 28 for Link Partner Auto-Negotiation)

- **Improve productivity for office staff** and knowledge worker's via an intuitive larger, color display and easy to use line appearances
- **Make more efficient and productive calls** with the unparalleled voice clarity of Polycom® HD Voice™
- **Reduce deployment and maintenance costs**—the Polycom Zero Touch Provisioning and web based configuration tool makes the VVX 411 simple to deploy, easy to administer, upgrade, and maintain
- **Leverage previous IT infrastructure investments**—deploy VVX 411 business media phones on your existing network without needing to upgrade your call control platform

## Polycom® VVX® 411 Specifications

### Network and provisioning (continued)

- 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<sup>2</sup>
- QoS Support – IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS, and DHCP
- VLAN-CDP, DHCP VLAN discovery, LL-DP-MED for VLAN discovery
- Network Address Translation (NAT)– support for static configuration and “Keep-Alive” SIP signaling
- 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
- Support for URL syntax with password for boot server address
- HTTPS secure provisioning

- Support for signed software executables

### Power

- Built-in auto sensing IEEE 802.3 af Power over Ethernet (Class 2)
- Energy-saving after hours mode
- External Universal AC Adapter (optional), 48VDC; 12W

### Approvals

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55022 Class B
- CISPR22 Class B
- VCCI Class B
- EN55024
- EN61000-3-2; EN61000-3-3
- NZ Telepermit
- Korea KC3
- UAE TRA
- Russia GOST-R3
- Brazil ANATEL3
- Australia A & C Tick
- ROHS compliant

### Safety

- UL 60950-1
- CE Mark
- CAN/CSA C22.2 No 60950-1
- EN 60950-1
- IEC 60950-1
- AS/NZS 60950-1
- ICASA (add)
- CITC (add)

### 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 411 comes with:

- VVX 411 console
- Handset with handset cord
- Network (LAN) Cable - CAT-5E
- Quick Start Guide
- A ferrite clamp is included in the box

### Size

- 7.5 x 6 x 7 in (19 x 15 x 18 cm) (W x H x D)

### Weight

- Unit weight: 2.0 lbs (0.9 kg)
- Unit box dimensions
- 11.4 x 7.9 x 3.5 in (29 x 20 x 9 cm)
- 3.1 lbs (1.4 kg)

### Country of origin

- China

### Warranty

- One (1) year



1. To enjoy all the benefits of Polycom HD Voice when using the phone in the headset mode, you must use a wideband headset.  
 2. 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.  
 3. Planned future compliance