Polycom® VVX® 450
12-line desktop system with color LCD display

The Polycom VVX 450 business IP desk phone is a high-quality, twelve-line, color, performance IP phone for businesses of all sizes. It is ideal for knowledge workers, executives, and upper management.

The industry's best audio

The VVX 450 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 Acoustic Fence technology keeps business conversations free from extraneous noises, echoes, and distractions.

Intuitive user interface

The Polycom VVX 450 is a desktop phone that meets the budget and communication needs of any business. It is loaded with sophisticated features that are traditionally found only for high-end desktop phones.

The VVX 450 is easy to use, reliable, and stylish. End users will find that it combines an attractive new ergonomic hardware design with an intuitive user interface that together reduce the time spent learning new features and functions.

Benefits

- Make more natural and lifelike calls with Polycom HD Voice.

- 4.3"color display offers an engaging experience with visual information at a glance.

- Two Gigabit Ethernet ports offer cost savings and performance benefits.

- The USB port for media or storage applications enables users to move data around more quickly.

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Features and specifications

User interface features

- 4.3" color LCD (480x272 pixel resolution)
- Voicemail support
- WebKit-based browser
- Adjustable base height
- Unicode UTF-8 character support
- Two USB ports (2.0 compliant) for media and storage applications

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
- TIA-920 Wideband Audio
  Type 1 compliant (IEEE 1329 full duplex)
- Frequency response—150 Hz–7 kHz for handset, optional headset and hands-free speakerphone modes
- Codecs: G.711 (A-law and μ-law), G.729AB, G.722 (HD Voice), 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

- 12 lines (programmable line keys)
- Busy Lamp Field (BLF)
- Shared call/bridged line appearance
- Flexible line appearance (one or more line keys can be assigned for each line extention)
- 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
- Electronic hook switch capable
- Local configurable digit map/dial plan

Polycom VVX 450 available with an extension module

Turn your business phone into a high-performance attendant console with this optimal solution for telephone attendants and other "power users" who manage multiple simultaneous telephone calls or monitor presence on a daily basis.

- Show presence for up to 102 lines with an expansion module using innovative multi-page display
- Augments host phone user interface
- Creates a high-performance, productivity-enhancing solution with host phone
- Easy installation to host phone
- Programmable, illuminated bi-color LED keys
- Extension module can display 30 lines per page with three pages per module
- Supports one expansion module per phone
- High-resolution graphical color display

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

- 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 (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 802.3af Power over Ethernet (Class 0) 13W (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

- CISPR32 Class B

- VCCI Class B

- EN55024

- EN61000-3-2; EN61000-3-3

- NZ Telepermit

- Korea KCC

- UAE TRA

- Russia CU

- Brazil ANATEL

- Australia RCM

- South Africa ICASA

- Saudi Arabia CITC

- China CCC

- RoHS Compliant

- TAA

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

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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)

Package contents

- VVX 450 console
- Handset with handset cord
- Network (LAN) cable—CAT-5E
- Ferrite clamp
- Power supply

Size

- 24cm x 23cm x 5.7cm WxHxD
- 9.5in x 10in x 2.2in WxHxD

Weight

- Carton weight: 1.043kg (2.23 lbs)

Master carton quantity

- Ten (10)

For more information, please contact a sales representative. Visit ringcentral.com or call 855-774-2510.

RingCentral, Inc. (NYSE:RNG) is a leading provider of global enterprise cloud communications and collaboration solutions. More flexible and cost-effective than legacy on-premises systems, RingCentral empowers today's mobile and distributed workforce to communicate, collaborate, and connect from anywhere, on any device. RingCentral unifies voice, video, team messaging and collaboration, conferencing, online meetings, and integrated contact center solutions. RingCentral's open platform integrates with leading business apps and enables customers to easily customize business workflows. RingCentral is headquartered in Belmont, California, and has offices around the world.

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