

Polycom VVX 450



Overview

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. 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.

Product Highlights

- Make more natural and life-like calls-with Polycom HD Voice
- 4.3" color display offers an engaging-experience
- Two Gigabit Ethernet ports offer cost savings and performance benefits
- USB port for media or storage applications
- Integrates with more than 60 industry leading call control platforms

Polycom VVX 450

User Interface Feature

4.3" color LCD (480x272 pixel resolution)

Voicemail support

WebKit-based browser

Unicode UTF-8 character support

Adjustable base height

Two USB ports (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® Acoustic Clarity™ technology providing full-duplex conversations, acoustic echo cancellation and background noise suppression

Polycom® HD Voice™ technology delivers lifelike voice quality for each audio path handset, the hands-free speakerphone, and the optional headset

Type 1 compliant (IEEE 1329 full duplex)

TIA-920 Wideband Audio
- Type 1 compliant (IEEE 1329 full duplex)

Frequency response—150 Hz—7 kHz for hands-free speakerphone, handset and optional headset mode

Codecs: G.711 (A-law and μ -law), G.729AB, G.722 (HD Voice), 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

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

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)

Shared call/bridged line appearance

Busy Lamp Field (BLF)

Flexible line appearance (one or more line keys can be assigned for each registration)

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 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

Supports Polycom Apps SDK and API for third-party business and personal applications

Visual Conference Management

Bundled with Polycom UC Software:
- Corporate Directory Access using LDAP

WebKit-enabled full browser that supports HTML5, CSS, SSL security, and JavaScript

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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/FTPS/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), Layer 3 TOS, and DHCP

VLAN—CDP, DHCP VLAN discovery, LLDP-MED for VLAN
discovery

Network Address Translation (NAT)— support for static
configuration

"Keep-Alive" SIP signaling

RTCP and RTP support

Event logging

Syslog

Hardware diagnostics

Status and statistics reporting

TCP

UDP

DNS-SRV

IPv4 and IPv6

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

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 KCC3
- UAE TRA
- Russia CU3
- Brazil ANATEL3
- Australia RCM
- South Africa ICASA3
- Saudi Arabia CITC
- China CCC3
- 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

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)

Comes with:

Console

Handset with handset cord

Network (LAN) cable-CAT-5E

Desk Stand

Set-up sheet

Polycom VVX 450

Size

24cm x 23cm x 5.7cm WxHxD

Part numbers

2200-48840-025 VVX 450 WW PoE

Weight

Carton weight: 1.043kg (2.23 lbs)

Master carton quantity

Ten (10)

Warranty

One (1) year