Poly OBi VVX 450 12-Line IP Phone and PoE-enabled

HP | poly

*Product image may differ from actual product

Go pro without the price tag

When you want the best small business 12-line phone system for your money, the VVX 450 is full of good surprises. Handle high volume calls easily with the sleek, color display — and be confident conversations will always sound great.

Crystal clear conversations
Crystal clear conversations

Deploy easily and quickly
Deploy easily and quickly [1]

Integrated protection
Integrated protection [1]

Featuring

Lines
Stay productive with 12 programmable line keys supporting up to 34-line key assignments with pagination for autodials and contacts.

LCD color display
A large 4.3" backlight color display shows all your lines and necessary information so you can be more productive.

Keys
4-way navigation cluster with a center select key and a 12-key dial pad with controls for mute, speaker, and headset volume.

Add a Poly headset
Multiple Poly headset options are available to suit your style — in addition to the traditional handset.

Ethernet ports
2 high speed 10/100/1000 Ethernet ports with an integrated switch allow LAN connection for your phone with a passthrough connection to your PC. PoE reduces cable clutter on your desktop, eliminating the need for a separate power adapter.

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Specifications

Display
Native resolution: 480 x 272
Panel technology: Color LCD
Display size (diagonal): 10.9 cm (4.3")

Connectivity and communications
External I/O ports:
2 USB 2.0 Type-A (for media, storage applications, headset, optional Wi-Fi adapter, optional expansion module)
2 RJ-45 (10/100/1000BASE-TX Mbps)

User interface features
Languages: Chinese; Danish; Dutch; English; French; German; Japanese; Korean; Norwegian; Spanish; Swedish; Finnish

Audio
Audio features:
Poly HD Voice
Poly Acoustic Clarity technology provides full duplex conversations, acoustic echo cancellation, and background noise suppression
Poly Acoustic Fence technology eliminates background noise when using a handset or wired headset
Poly Computer Audio Connector app installed on your PC (Windows only) enables selecting your phone for PC audio in/out to use the phones handset, optional headset and handsfree speakerphone with PC applications
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
Frequency response (microphone): 150 Hz to 7 kHz
Audio codecs: G.711 (A-law and µ-law); G.722; G.729AB; iLBC; OPUS

Other features
Special features: Adjustable desk stand (2 positions); Unicode UTF-8 character support[2]

Power supply
Power features: Built-in auto sensing IEEE 802.3af Power over Ethernet (Class 0)
13 W (maximum)[3]

Environmental
Certifications and compliances: AS/NZS 60950-1; Australia RCM; Brazil ANATEL; CAN/CSA C22.2 No. 62368-1-14EN 60950-1; CE Mark; CISPR22 Class B; EN 60950-1 & EN 62368-1; EN55024; EN55032 Class B; EN61000-3-2, EN61000-3-3; FCC Part 15 (CFR 47) Class B; ICES-003 Class B; IEC 60950-1 & IEC 62368-1; NZ Telepermit; ROHS compliant; So. Korea KC; Saudi Arabia CITC; So. Africa ICASA; UAE TRA; UL 60950-1 and UL 62368-1; VCCI Class B; Indonesia SDPPI; Mexico NOM ANCE; Russia CU
Operating humidity range: 5 to 95%
Operating temperature range: 0 to 40°C
Storage temperature range: -40 to 70°C
Energy star certified: ENERGY STAR® certified

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Specifications

Management

Management software:

Poly Lens

Poly Zero Touch Provisioning

Polycom Device Management Service for Service Providers (PDMS-SP)

Cloud Management

SDP

Display features

Digital picture frame

Security

Security management:

802.1X Authentication and EAPOL Media encryption via SRTP

Digest authentication

Encrypted configuration files

HTTPS secure provisioning

Password login

Support for signed software executables

Support for URL syntax with password

Transport Layer Security (TLS)

SRTP media encryption using AES 256 bits

Headset and handset compatibility

Headset ports:

1 RJ-9

1 Electronic Hook Switch (EHS) port for optional adapter

Headset and handset compatibility:

Compatible with commercially available TTY adapter equipment

Compliant with ADA Section 508 Subpart B 1194.23 (all)

Hearing aid compatibility to ITU-TP.370 and TIA 504A standards

Hearing aid compatible (HAC) handset for magnetic coupling to hearing aids

Telephony and call handling features

Telephony and call handling features:

Anonymous call indication

Block anonymous call

Busy Lamp Field (BLF)

Call forward on busy, on no answer, unconditional

Call return

Distinctive incoming call treatment/call waiting

Do not disturb function

Repeat dialing

Shared call/bridged line appearance

Corporate directory

Call park/retrieve

Directed call pickup

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

Up to 6 SIP registrations per phone

Integrated IVR and Auto attendant

Up to 3-way locally mixed conference call

Call waiting

Maximum sessions control

External conference bridging

Visual voicemail support

XML Application Framework for third-party business and personal applications[1]

Network

Supported network protocols:

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

Manual or dynamic host configuration protocol (DHCP) network setup

VoIP features:

Up to 34 SIP line registrations with pagination softkey and/or optional expansion module(s)

Weight and dimensions

Product Primary Color: Black

Package weight: 300 g

Package dimensions: 24 x 23 x 5.7 cm

Master carton quantity: 10

Master carton dimension: 24.5 x 44 x 29.5 cm

Master carton weight: 10.5 kg

Cartons per layer: 6

Pallet (layers): 7

Cartons per pallet: 42

Products per layer: 60

Products per pallet: 420

Pallet weight: 357 kg

Pallet dimensions: 101.6 x 121.9 x 149 cm

Product number: 89B60AA

Product name: Poly OBi VVX 450 12-Line IP Phone and PoE-enabled

Warranty

Poly standard one-year limited warranty

Country of origin

Country of origin: Made in China, Laos or Mexico

What is in the box

Console

Desk stand/wall mount hardware

Handset with handset cord

Network (LAN) cable-CAT-5E

Setup sheet

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Footnotes

Messaging Footnotes

[1] Microban antimicrobial product protection is a built-in active ingredient that enables products to resist the growth of microbes such as bacteria, mold, and mildew. Microban protection helps products stay cleaner, fresher, and last longer than products with untreated surfaces. [2] Poly headsets sold separately. Poly Electronic Hook Switch (EHS) sold separately.

Technical Specifications Footnotes

[1] Most software-enabled features must be supported by the service provider platform. Please contact your IP PBX/softswitch vendor or service provider for a list of supported features. [2] Optional wall mount kit can be ordered separately. [3] External universal AC/DC adapter, 5 VDC, 3 A, 15 W (sold separately).

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gb-en