

# Poly VVX 450 12-Line IP Phone and PoE-enabled with Power Supply

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.



\*Product image may differ from actual product

#### Crystal clear conversations

Hear every nuance on the VVX 450 with Poly HD Voice technology. And reduce distracting background noise with Poly Acoustic Fence technology.

#### Deploy easily and quickly

IT will appreciate zero-touch provisioning and web-based management capabilities that take the headache out of telephony deployment and support.

#### Integrated protection<sup>1</sup>

Your phones stay cleaner for longer with integrated Microban® antimicrobial product protection<sup>1</sup> actively reducing the growth of bacteria 24/7.

Datasheet

# Poly VVX 450 12-Line IP Phone and PoE-enabled with Power Supply

## Specifications



### Display

**Native resolution:** 480 x 272  
**Panel technology:** Color LCD  
**Display size (diagonal):** 4.3"  
**Display size (diagonal, metric):** 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)

### Battery

**Power features:**  
 Built-in auto sensing IEEE 802.3af Power over Ethernet (Class 0)  
 13 W (maximum)<sup>3</sup>

### User interface features

**Languages:**  
 Arabic; Chinese; Czech; Danish; Dutch; English; French; German; Hungarian; Italian; Japanese; Korean; Norwegian; Polish; Portuguese; Romanian; Russian; Slovenian; Spanish; Swedish

### 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 phone's 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  $\mu$ -law)  
 G.722  
 G.729AB  
 iLBC  
 OPUS

### Environmental

**Certifications and compliances:** AS/NZS 60950-1; Australia RCM; Brazil ANATEL; CAN/CSA C22.2 No. 62368-1/4EN 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 SDPP; Mexico NOM ANCE; Russia CU  
**Operating humidity range:** 5 to 95%  
**Operating Temperature Range (Celsius) / Operating Temperature Range (Fahrenheit):** 0 to 40°C / 32 to 104°F  
**Storage temperature range (Celsius) / Storage temperature range (Fahrenheit):** -40 to 70°C / -40 to 158 °F  
**Energy star certified:** ENERGY STAR<sup>®</sup> certified

### Certifications

**Special features:**  
 Adjustable desk stand (2 positions)  
 Unicode UTF-8 character support<sup>2</sup>

### Applications supported

**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

### 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)

# Poly VVX 450 12-Line IP Phone and PoE-enabled with Power Supply

## Specifications



### 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-T P.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:

Bundled with Polycom UC Software: Corporate Directory Access using LDAP

Busy Lamp Field (BLF)

Call timer and call waiting

Call transfer, hold, divert (forward), park, pickup

Called, calling, connected party information

Calling Party Identification (RFC8225 classifications – Trusted, Unknown, SPAM)

Distinctive incoming call treatment/call waiting

Do not disturb function

Electronic hook switch capable

Enhanced Feature Keys make powerful feature shortcuts online key appearances or soft keys

Local three-way audio conferencing

Local configurable digit map/dial plan

One-touch speed dial, redial

Remote missed call notification

Reverse number lookup via LDAP

Shared call/bridged line appearance

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

Visual Conference Management

Key system emulation

STIR/SHAKEN Caller ID validation

Voice Quality Monitoring (VQMon)

12 line keys supporting up to 48 line key assignments for lines, contacts, and features supported with pagination

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

WebKit-enabled full browser that supports HTML5, CSS, SSL security, and JavaScript<sup>1</sup>

### Weight and dimensions

Product Primary Color: Black

Package dimensions (Imperial): 9.25 x 10.25 x 3 in

Package dimensions (metric): 26 x 23.5 x 7.5 cm

Package weight (Imperial): 2.9 lb

Package Weight (metric): 1320 g

UPC number: 196188445280

Product number: 89B76AA

### Country of origin

Country of origin: Made in China

### Warranty

Poly standard one-year limited warranty

### What is in the box

Console

Desk stand/wall mount hardware

Handset with handset cord

Network (LAN) cable-CAT-5E

Setup sheet

### Key Selling Points Footnotes

<sup>1</sup> 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.

### Technical Specifications Footnotes

<sup>1</sup> 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. <sup>2</sup> Optional wall mount kit can be ordered separately. <sup>3</sup> External universal AC/DC adapter, 5 VDC, 3 A, 15 W (sold separately).