Poly VVX 450 12-Line IP Phone and PoE-enabled GSA/TAA (89B75AA)



Overview

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

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

Integrated protection [1]

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

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.

Features

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.[2]

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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[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.

Additional specifications

Audio	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
Audio codecs	G.711 (A-law and µ-law); G.722; G.729AB; iLBC; OPUS
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
Color	Black
Country of origin	Product of Mexico
Display features	Digital picture frame
Display size (diagonal)	10.9 cm (4.3")
Display size (diagonal)	4.3"
Energy star certified	ENERGY STAR® certified
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
Headset ports	1 RJ-9; 1 Electronic Hook Switch (EHS) port for optional adapter
Management Software	Poly Lens; Poly Zero Touch Provisioning; Polycom Device Management Service for Service Providers (PDMS-SP) Cloud Management; SDP
Manufacturer Warranty	Poly standard one-year limited warranty
Native resolution	480 x 272
Network protocols, supported	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
Operating humidity range	5 to 95%
Operating temperature range	32 to 104°F
Operating temperature range	0 to 40°C
Package dimensions (W x D x H)	24 x 23 x 5.7 cm
Package dimensions (W x D x H)	9.5 x 10 x 2.2 in

Package weight	1004 g
Package weight	2.23 lb
Panel technology	Color LCD
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)
Power	Built-in auto sensing IEEE 802.3af Power over Ethernet (Class 0); 13 W (maximum)[3]
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
Special features	Adjustable desk stand (2 positions); Unicode UTF-8 character support[2]
Storage temperature range	-40 to 70°C
Storage temperature range	-40 to 158 °F
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[1]
UNSPSC code	43191511
UPC number	(ABA) 196188445303; (AC3) 198122145782
VoIP features	Up to 34 SIP line registrations with pagination softkey and/or optional expansion module(s)
What's in the box	Console; Desk stand/wall mount hardware; Handset with handset cord; Network (LAN) cable-CAT-5E; Setup sheet

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[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).

Services

Poly Services

★ : Recommended

Poly Support Services

3 Year Poly+ VVX 450 Open SIP IP Phone Service	**P48840312 ★**
1 Year Partner Poly+ VVX 450 Open SIP IP Phone Service	P48840160
1 Year Poly Elite VVX 450 Open SIP Service	E48840112
1 Year Poly+ VVX 450 Open SIP IP Phone Service	P48840112
3 Year Partner Poly+ VVX 450 Open SIP IP Phone Service	P48840362
5 Year HW Extended Coverage VVX 450 Open SIP IP phone NBD Advance Replacement Poly DaaS	D48840C0V
5 Year HW Replacement for available VVX 450 Open SIP IP phone NBD Advance Replacement Poly DaaS	D48840DS5

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