Poly VVX 450 12-Line IP Phone for RingCentral and PoE-enabled

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	**Deploy easily and quickly**	**Integrated protection [1]**
Hear every nuance on the VVX 450 with Poly HD Voice technology. And reduce distracting background noise with Poly Acoustic Fence technology.	IT will appreciate zero-touch provisioning and web-based management capabilities that take the headache out of telephony deployment and support.	Your phones stay cleaner for longer with integrated Microban® antimicrobial product protection [1] actively reducing the growth of bacteria 24/7.

Datasheet

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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)[3]

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 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

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 (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® certified

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

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)

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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:
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]

Weight and dimensions
Product Primary Color: Black
Package dimensions (imperial): 9.5 x 10 x 2.2 in
Package dimensions (metric): 24 x 23 x 5.7 cm
Package weight (imperial): 2.23 lb
Package Weight (metric): 1004 g
Product number: 89B74AA

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