



## **CORDLESS IP PHONE WITH DECT™ WIRELESS TECHNOLOGY**

### **BENEFITS**

- Enables in-office wireless communication with business features including call waiting, do not disturb, hold, forward and call transfer
- Improves productivity with features like call park, call pickup, intercom and distinctive incoming call treatment
- Workplace mobility—up to 50 m (165 ft) indoor and up to 300 m (980 ft) outdoors from the base
- Provides a powerful and expandable solution by supporting 10 handsets per base, 8 lines and 8 simultaneous calls

### **POLY VVX D230 DECT™ IP PHONE**

Your team is on the move and needs a handset that keeps up. Our VVX D230 DECT™ IP phone works as hard as any desk phone. Business features include: do not disturb, intercom, local three-way audio conferencing, and a high-resolution color display—just to name a few. Everyone on the call will have clear, interruption-free conversations with acoustic echo cancellation and background noise suppression. Don't bother adding IT on speed dial. Get reliability, performance, and less hassle with this wireless IP phone.

- Intercom, call park/pickup
- Called, calling, connected party information and missed call notifications
- Local three-way audio conferencing
- One-touch speed dial and redial
- Support for HD Voice (G.722, Opus)

# POLY VVX D230 DECT™ IP PHONE



## SPECIFICATIONS

### DECT™ FREQUENCY

- 1920–1930 MHz (North America SKU)
- 1880–1900 MHz (EU/ANZ/UK SKU)
- Highest reported SAR - 1g Head 0.085 W/kg; 1g Body Worn 0.145 W/kg

### RANGE

- Indoor: up to 165 ft (50 m)
- Outdoor: up to 980 ft (300 m)

### HANDSET DISPLAY

- 2 in color TFT LCD display (resolution 178 x 220 pixel)

### LANGUAGE SUPPORT

- Unicode UTF-8-character support.
- Multilingual user interface including US
- English, UK English, Canadian, Spanish, Dutch, Portuguese, Russian, Norwegian, Swedish, Danish, Polish, Slovenia, Deutsch, Francais, Italiano

### HANDSET AUDIO FEATURES

- Full-duplex conversations, acoustic echo cancellation and background noise suppression
- Frequency response—150 Hz–7 kHz for handset, optional headset and hands-free speakerphone modes
- Narrowband Codecs: G.711 (A-law and  $\mu$ -law), G.726, G.729AB
- Wideband Codec: G.722, Opus
- Voice activity detection
- Comfort noise generation
- DTMF tone generation (RFC2833, in-band and SIP INFO)
- Low-delay audio packet transmission
- Adaptive jitter buffers
- Packet loss concealment

- G.165, 168 echo cancelation
- Silence suppression

### TELEPHONY FEATURES

- Multiple Lines Support for Handsets (eight lines per HS)
- Up to eight simultaneous calls
- Up to 10 handsets per base
- Shared call/bridged line appearance
- Configurable maximum session
- Distinctive incoming call treatment/call waiting
- Call timer and call waiting
- Call transfer, hold, divert (forward), pickup, call resume
- Called, calling, connected party information
- Local or network based three-way audio conferencing
- One-touch speed dial, redial
- Missed call notification
- Do not disturb function
- Intercom
- Local or network-based Call Park
- Integrated Music On Hold for local Call Park feature
- Caller ID enable/disable, caller ID number, caller ID name
- Call forward on busy, on no answer, unconditional
- Message waiting indicator
- Visual message waiting indicator
- Call routing rules
- SIP service configurable inbound call routing rules
- In-band DTMF
- Out of voice band DTMF (RFC 2833)

- Out of voice band DTMF (SIP INFO METHOD)
- Call progress tone generation
- Tone Profile per SIP SP and OBITALK service
- Daylight Savings Time support – worldwide

### VOIP FEATURES

- Eight (8) service provider configuration profile assignments (ITSP Profile A – H)
- Eight (8) service subscription profile assignments (SP 1 – 8)
- SIPv2 (RFC 3261, 3262, 3263,3264)
- SIP over UDP
- SIP over TCP
- SIP over TLS
- SIP proxy redundancy – Local or DNS based SVR, primary and secondary fallback list restrict source IP address
- Maximum number of sessions – independent per service
- Codec pre-selection code
- Codec name assignment
- Codec profile per SIP SP
- Dynamic audio payload
- STUN
- ICE
- SUBSCRIBE/NOTIFY Framework (RFC 3265)
- NOTIFY dialog, line status
- SUBSCRIBE message summary
- VoIP NAT interworking
- DATA Header support
- Remote-Party-ID (RPID)
- P-Asserted-Identity (PAID)
- RTP Statistics in BYE message and SIP PUBLISH with MOS score

## OPEN APPLICATION PLATFORM

- Managed with Polycom Obi Edition Software:
  - Corporate directory (Broadsoft)
- Visual conference management

## NETWORK

- Two-port Ethernet switch
- 10/100Base-TX across LAN and PC port
- Conforms to IEEE802.3-2005 (Clause 40) for physical media attachment
- Conforms to IEEE802.3-2002 (Clause28) for link partner auto-negotiation
- SIP protocol support
- SDP
- CDP
- Manual or dynamic host configuration protocol DHCP network setup
- Time and date synchronization using SNTP FTP/TFTP/HTTP/HTTPS server-based central provisioning for mass deployments
- SNTP (RFC 2030) – primary and secondary NTP servers
- Provisioning and call server redundancy supported<sup>1</sup>
- QoS support–IEEE 802.1p/Q tagging
- (VLAN), Layer 3 TOS, and DHCP
- LLDP-MED for VLAN discovery
- Network address translation – support for static configuration and “Keep-Alive” SIP signaling
- RTCP and RTP support
- Event logging
- Syslog
- Status and statistics reporting
- MAC Address (IEEE 802.3)
- UDP (RFC 768) in SSL/TLS
- TCP (RFC 793) in SSL/TLS
- IPv4 (RFC 791) – static IP and DHCP support
- ICMP (RFC 792)
- ARP – address resolution protocol
- Domain Name System (DNS) A records (RFC 1706) and SRV records (RFC 2782)
- DNS NAPTR
- RTP/RTCP (RFC 1889)

- DHCP Client (RFC 2131)
- DiffServ (RFC 2475) – independently configured service, SIP and media
- ToS (RFC 791, 1349) – independently configured service, SIP and media
- VLAN tagging (802.1p) – independently configured service, SIP and media

## MANAGEMENT AND CONFIGURATION

- Provisioning via PDMS-SP
- Local access interface: IVR, web wage – password protected (admin or user level log-in)
- Remote access interface: Syslog (multi-level granularity), web, provisioning
- Remote provisioning: XML via TFTP, HTTP or HTTPS
- Secure remote provisioning: HTTPS, encrypted XML via HTTP or TFTP
- Customization: Poly Zero Touch
- Call history (CDRs; call details records on OBi web page, export to XML)
- System settings back-up/restore: save and restore configuration via XML file to/from a local folder

## SECURITY

- 802.1X authentication and EAPOL
- Media encryption via SRTP
- Transport layer security<sup>1</sup>
- Encrypted configuration files<sup>1</sup>
- Digest authentication
- Username and Password access via HTTP, HTTPS, TFTP
- HTTPS secure provisioning<sup>1</sup>
- Device Web Page Standard: HTTP v1.1, XML v1.0

## RTP STATISTICS

- Audio Codec Type (Tx/Rx)
- RTP Packetization (Tx/Rx)
- RTP Packet Count (Tx/Rx)
- RTP Byte Count (Tx/Rx)
- Packets Out-Of-Order
- Packets Interpolated
- Packets Dropped
- Packets Lost

- Jitter Buffer Length-ms
- Received Interarrival Jitter-ms
- Jitter Buffer Underruns
- Jitter Buffer Overruns
- MOS Score

## HEADSET AND HANDSET COMPATIBILITY

- Dedicated 2.5 mm headset port
- External 2.5 mm to 3.5 mm headset adapter
- Compliant with ADA Section 508 Subpart B1194.23 (all)
- Hearing aid compatible handset for magnetic coupling to hearing aids

## HANDSET POWER

- External universal AC adapter (5V 6W DC)
- Handset Battery
- 1 Ni-MH 800 –mAh (2.4V) AAA battery (rechargeable)
- Up to 10 hours talk time
- Up to 100 hours standby time

## POLY VVX D230 DECT™ IP PHONE BASE STATION COMES WITH:

- VVX D230 wireless handset
- VVX D230 wireless base station
- Network (LAN) cable
- Wireless handset belt clip
- Wireless handset 2.5 mm to 3.5 mm headset adapter
- Battery pack
- Quick start guide
- Power adapter

## POLY VVX D230 DECT™ IP PHONE WIRELESS HANDSET COMES WITH:

- Handset
- Charger
- 2.5 mm to 3.5 mm headset adapter
- Quick start guide
- Power adapter

## APPROVALS

- FCC
- IC RSS
- CE
- AU/NZ RCM
- Hong Kong HKCA
- Singapore IDA TS CT-CTS
- ROHS compliant
- Safety
- UL 60950-1
- CE Mark
- CAN/CSA C22.2 No 60950-1
- EN 60950-1
- IEC 60950-1
- AS/NZS 60950.1

## OPERATING CONDITIONS

- Temperature: 0 to 40° C (+32 to 104° F)
- Relative humidity: 25% to 90%, noncondensing
- Storage Temperature: -40 to +65 ° C (-40 to +149° F)

## WEIGHT

- Base station weight: 0.574 lbs (0.26 kg)
- Handset: 0.272 lbs (0.12 kg)
- Handset charger: 0.16 lbs (0.07 kg)

## UNIT BOX DIMENSIONS (W X H X D)/ WEIGHT

- Base Station box dimensions: 8 x 3.5 x 8.65 in (20.5 x 9 x 22 cm)
- Base Station box weight :1.87 lbs (0.85 kg)

- Handset box dimensions: 8 x 3.75 x 6.1 in (20.5 x 9.5 x 15.5 cm)
- Handset box weight: 1.226 lbs (0.56 kg)

## MASTER CARTON QUANTITY

- 10

## COUNTRY OF ORIGIN

- China

## WARRANTY

- 1 year limited warranty

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<sup>1</sup>Most software-enabled features and capabilities must be supported by the server. Please contact your IP PBX/softswitch vendor or service provider for a list of supported features.

## LEARN MORE

For more information on VVX D230 DECT™ IP Phone visit [www.poly.com/phones](http://www.poly.com/phones)