



## BLACKWIRE® 5200 SERIES

Enhanced compatibility. Exceptional comfort.

Connect seamlessly to your day.

Enhanced connectivity

# BLACKWIRE 5200 SERIES

The Blackwire 5200 Series fits your busy workday. Easy to use, its USB or USB-C and 3.5 mm connectivity lets you work on a variety of devices. Ergonomically designed, it's comfortable enough to wear all day, on your longest calls. The Blackwire 5200 Series—the power to connect and work easily is here.

## KEY FEATURES



- A** Cushioned metal headband provides durability while maintaining a comfortable, secure fit
- B** Leatherette ear cushions fold flat for easy storage
- C** Noise-canceling mic with flexible boom
- D** Call answer/end, mute, volume +/-
- E** Variants include universal USB or USB-C type connectivity
- F** 3.5 mm connectivity lets you work on a variety of mobile devices

## BLACKWIRE 5210 (MONAURAL)



## BLACKWIRE 5220 (STEREO)



## INCLUDED ACCESSORIES

- Carrying case for easy storage and portability

## TOP FEATURES

- Ideal for all-day use, long conference calls and listening to multimedia
- Noise canceling microphone masks nearby talkers for maximum call privacy
- Available in monaural (Blackwire 5210) or hi-fi stereo with passive noise reduction (Blackwire 5220)
- Variants include universal USB or USB-C
- Connectivity to smartphone and tablet via 3.5 mm
- One-touch call answer/end, volume +/- and mute
- PC wideband audio with noise-canceling microphones for high-quality PC telephony
- Plantronics Manager Pro, an additional purchase, enables your IT team to gain insight into every compatible Plantronics headset being used company-wide

## SPECIFICATIONS

|             |   |
|-------------|---|
| Connects to | PC via USB/USB-C, connects to mobile devices and tablets via 3.5mm and devices that support USB-C |
|-------------|---|

|           |  |
|-----------|--|
| Ideal for | Users with extensive PC communication and multimedia |
|-----------|--|

|                   |  |
|-------------------|--|
| Audio performance | Dynamic EQ, microphone frequency response 100 Hz–8 kHz optimal for PC wideband voice telephony (up to 6,800 Hz), hi-fi stereo (C5220, C5220 USB-C only) receive frequency response from 20 Hz–20 kHz, enhanced Digital Signal Processing (DSP), noise-canceling microphone, adjustable audio alerts with Plantronics Hub software (mute/volume)* |
|-------------------|--|

|                    |  |
|--------------------|--|
| Hearing protection | SoundGuard® DIGITAL protects against sound levels above 118dBA; Anti-startle (during calls) detects and eliminates any large sudden increase in signal level; Time-Weighted Average prevents average daily noise exposure from exceeding 85 dBA (enabled by Plantronics Hub). Additional lower level hearing protection against acoustic startle is provided by Plantronics Hub software limiting peak levels to 102 dBA |
|--------------------|--|

|        |  |
|--------|--|
| Models | <b>C5210 USB</b> (Monaural); <b>C5210 USB-C</b> (Monaural); <b>C5220 USB</b> (Stereo); <b>C5220 USB-C</b> (Stereo); Built for UC applications and softphones from Avaya®, Cisco®, Microsoft® and more.* Certified for Skype for Business |
|--------|--|

| Weights               | Total weight |        | Headset top |        | Bottom cable to USB-A |        | Bottom cable to USB-C |        |
|-----------------------|--------------|--------|-------------|--------|-----------------------|--------|-----------------------|--------|
|                       | Grams        | Ounces | Grams       | Ounces | Grams                 | Ounces | Grams                 | Ounces |
| <b>Blackwire 5210</b> | 125.4        | 4.423  | 100         | 3.527  | 25.4                  | 0.895  | 25.4                  | 0.895  |
| <b>Blackwire 5220</b> | 164.2        | 5.791  | 138.8       | 4.896  | 25.4                  | 0.895  | 25.4                  | 0.895  |

\*Download the latest release of Plantronics Hub software to get one-touch call answer/end with these softphones.

For more information about the Blackwire 5200 Series or other Plantronics products, please visit our website at [plantronics.com](http://plantronics.com).

## GLOBAL CUSTOMER CARE

Backed by Plantronics industry-leading global service and support.

# Poly Blackwire 5210 USB-C Headset

**Connect easily. Work comfortably.**

The Blackwire 5200 Series fits your busy workday. Easy to use, its USB/USB-C® and 3.5 mm connectivity lets you work on a variety of devices. Ergonomically designed, it's comfortable enough to wear all day, on your longest calls. The Blackwire 5200 Series - the power to connect and work easily is here.



\*Product image may differ from actual product

**Ideal for all-day use, long conference calls and listening to multimedia**

A cushioned metal headband (stereo) and lightweight headband (mono) with ultra-soft leatherette ear cushions wrapped around pillow-soft memory foam provide all-day comfort and a secure fit.

**Variants include USB-A, USB-C® and 3.5 mm connectivity options**

Offers connectivity to both mobile and PC devices, using USB-A, USB-C® and 3.5 mm connectivity options.

**One-touch call answer/end, volume+/- and mute**

Simple, intuitive, inline controls let you answer/end, mute and control the volume of your calls with ease.

**Ultra-soft leatherette ear cushions**

Ultra-soft leatherette ear cushions wrapped around pillow-soft memory foam provide all-day comfort.

**Audio prompts and inline indicator lights**

Simple and intuitive to use, with audio alerts to manage connection, mute and volume status.

**Digital Signal Processing (DSP) provides natural voice sound**

Premium PC wideband audio with noise-cancelling microphone and Digital Signal Processing (DSP) for a more natural voice sound.

DATASHEET

# Poly Blackwire 5210 USB-C Headset

## Specifications



### Compatible with

Compatible operating systems: Windows 10; macOS

### Connectivity

Connection type: USB Type-C<sup>®</sup>; 3.5 mm audio  
Ear cushions: Artificial leather (surface material)  
Headphone type: On-ear (monoaural)

### Battery

Impedance: 32 ohm

### User Interface Features

Button user controls: Call answer/end; Mute; Volume +/-

### Audio

Audio features: Noise and echo reduction  
Dynamic EQ optimized  
Microphone type: Omnidirectional  
Microphone bandwidth: 100 Hz to 10 kHz  
Speaker bandwidth: 20 Hz to 20 kHz  
Speaker size: 32 mm  
Signal-to-noise ratio: >18 dB  
Sensitivity (microphone): -38 dBV/Pa

### Certifications

Special features: UC certified

### Environmental

Acoustic protection technology: SoundGuard Digital<sup>12</sup>

### Applications Supported

Management software: Plantronics Hub (desktop)

### Weight and Dimensions

Product Primary Color: Black  
Weight (Imperial): 0.24 lb  
Weight (metric): 0.125 kg  
Product dimensions (Imperial): 6.1 x 12.5 x 7.1 in  
Product Dimensions (metric): 15.5 x 32 x 17.8 cm  
Package dimensions (Imperial): 7.32 x 8.22 x 2.16 in  
Package dimensions (metric): 18.6 x 20.9 x 5.5 cm  
Package weight (Imperial): 0.6 lb  
Package Weight (metric): 0.275 kg  
UPC number: 197029632319  
Product number: 783M2AA

### Technical Specifications Footnotes

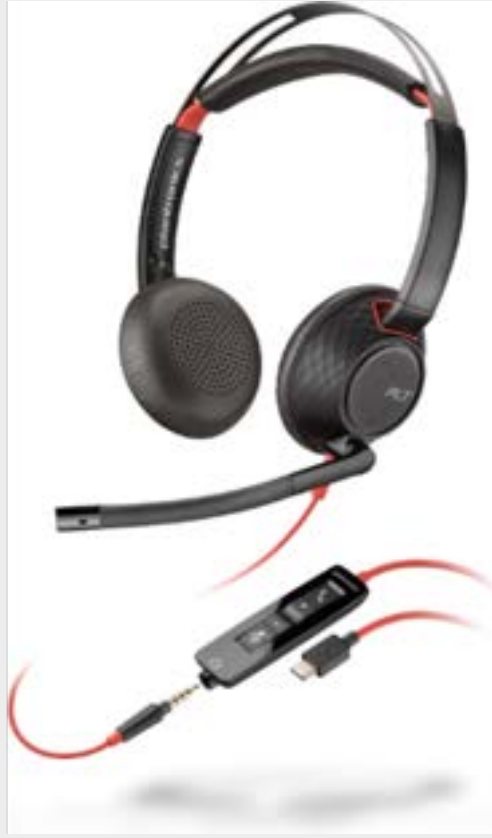
<sup>1</sup> SoundGuard Digital Plantronics owns sophisticated algorithms including: Protects against Acoustic Shock by limiting sounds to below 118 dBA; G616 anti-startle protection that limits the noise level to below 102 dB SPL and is therefore compliant to the Australian Communications Industry Forum (ACF) G616 recommendation; Average daily noise exposure measures and controls sound to prevent the average daily sounds exposure from exceeding 80 dBA or 85 dBA time-weighted average (TWA).

<sup>2</sup> Requires Poly Lens Desktop App to enable SoundGuard Digital features.

# Poly Blackwire 5220 USB-C Headset

**Connect easily. Work comfortably.**

The Blackwire 5200 Series fits your busy workday. Easy to use, its USB/USB-C® and 3.5 mm connectivity lets you work on a variety of devices. Ergonomically designed, it's comfortable enough to wear all day, on your longest calls. The Blackwire 5200 Series - the power to connect and work easily is here.



\*Product image may differ from actual product

**Ideal for all-day use, long conference calls and listening to multimedia**

A cushioned metal headband (stereo) and lightweight headband (mono) with ultra-soft leatherette ear cushions wrapped around pillow-soft memory foam provide all-day comfort and a secure fit.

**Variants include USB-A, USB-C® and 3.5 mm connectivity options**

Offers connectivity to both mobile and PC devices, using USB-A, USB-C® and 3.5 mm connectivity options.

**One-touch call answer/end, volume+/- and mute**

Simple, intuitive, inline controls let you answer/end, mute and control the volume of your calls with ease.

**Ultra-soft leatherette ear cushions**

Ultra-soft leatherette ear cushions wrapped around pillow-soft memory foam provide all-day comfort.

**Audio prompts and inline indicator lights**

Simple and intuitive to use, with audio alerts to manage connection, mute and volume status.

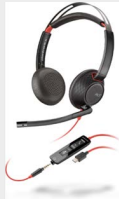
**Digital Signal Processing (DSP) provides natural voice sound**

Premium PC wideband audio with noise-cancelling microphone and Digital Signal Processing (DSP) for a more natural voice sound.

DATASHEET

# Poly Blackwire 5220 USB-C Headset

## Specifications



### Compatible with

**Compatible operating systems:** Windows 10; macOS

### Connectivity

**Connection type:** USB Type-C<sup>®</sup>; 3.5 mm audio

**Ear cushions:** Artificial leather (surface material)

**Headphone type:** On-ear (binaural)

### Battery

**Impedance:** 32 ohm

### User Interface Features

**Button user controls:** Call answer/end; Mute; Volume +/-

### Audio

**Audio features:** Noise and echo reduction

Dynamic EQ optimized

**Microphone type:** Omnidirectional

**Microphone bandwidth:** 100 Hz to 10 kHz

**Speaker bandwidth:** 20 Hz to 20 kHz

**Speaker size:** 32 mm

**Signal-to-noise ratio:** >18 dB

**Sensitivity (microphone):** -38 dBV/Pa

### Certifications

**Special features:** UC certified

### Environmental

**Acoustic protection technology:** SoundGuard Digital<sup>12</sup>

### Applications Supported

**Management software:** Plantronics Hub (desktop)

### Weight and Dimensions

**Product Primary Color:** Black

**Weight (Imperial):** 0.36 lb

**Weight (metric):** 0.164 kg

**Product dimensions (Imperial):** 6.1 x 12.5 x 7.1 in

**Product Dimensions (metric):** 15.5 x 32 x 17.8 cm

**Package dimensions (Imperial):** 7.32 x 8.22 x 2.16 in

**Package dimensions (metric):** 18.6 x 20.9 x 5.5 cm

**Package weight (Imperial):** 0.69 lb

**Package Weight (metric):** 0.315 kg

**UPC number:** 197029632340

**Product number:** 783M4AA

### Technical Specifications Footnotes

<sup>1</sup> SoundGuard Digital Plantronics owns sophisticated algorithms including: Protects against Acoustic Shock by limiting sounds to below 118 dBA; G616 anti-startle protection that limits the noise level to below 102 dB SPL and is therefore compliant to the Australian Communications Industry Forum (ACF) G616 recommendation; Average daily noise exposure measures and controls sound to prevent the average daily sounds exposure from exceeding 80 dBA or 85 dBA time-weighted average (TWA).

<sup>2</sup> Requires Poly Lens Desktop App to enable SoundGuard Digital features.



## CUTTING-EDGE EXPERIENCE

### BENEFITS

- Stay informed with style with the surround light status indicator with RGB mixing.
- Easy to install in home offices or hard to cable locations with included Wi-Fi (E350).
- Designed for the hybrid office with NFC technology for advanced integrations.
- Your phones stay cleaner for longer with integrated Microban® antimicrobial protection.

### POLY EDGE E300 SERIES IP DESK PHONES

It's time for a desk phone that makes hybrid work easy. The Poly Edge E300 Series with eight-line keys offers more ways to connect, plus unbelievable audio, in a seriously sharp package. Built for hot-desking or the home office, these phones provide simple mobile phone pairing, plus bring together Poly's famous noise reduction technology and a cutting-edge design for the perfect user experience. Our most versatile phones to date, the Poly Edge E300 Series is packed with features you didn't even know you needed, like text-to-speech and antimicrobial protection. No matter what size your business, this is the phone that upgrades your office with style, bringing your organization into the future.

- 8-line keys supporting up to 32 lines, features and contacts.
- Integrated Bluetooth® 5.0 for mobile phone or headset pairing (E320,E350).
- Poly NoiseBlockAI and Poly Acoustic Fence technologies.
- Bright 3.5" color IPS LCD display.
- Text-to-speech and new accessibility options.

# POLY EDGE E300 SERIES

|  | POLY EDGE E300                                     | POLY EDGE E320  | POLY EDGE E350   |
|--|--|---|--|
| <b>IDEAL FOR</b>                                   | Cubicle workers, call centers and small businesses | Cubicle workers, hybrid office workers, call centers and small businesses | Remote call center workers, hybrid office workers and small businesses needing phones in hard to cable locations or home offices |
| <b>LINE KEYS</b>                                   | 8  | 8   | 8  |
| <b>LINES, CONTACTS</b>                             | 8 displayed / 32 supported                         | 8 displayed / 32 supported  | 8 displayed / 32 supported   |
| <b>PAIRING BLUETOOTH® HEADSET AND MOBILE PHONE</b> | No   | Yes   | Yes  |
| <b>WI-FI</b>                                       | No   | No  | Yes  |

## SPECIFICATIONS

### LINES / FEATURE KEYS

- 8-line keys supporting up to 32-line key assignments for lines, contacts, and features supported with pagination
- 4 context-sensitive “soft” keys
- 4-way navigation key cluster with center “Select” key
- Home and back feature keys
- Pagination key for additional lines/ contacts
- Volume + / - control keys
- Hold and Transfer keys
- Headset select key
- Speakerphone select key
- Mute key (illuminated when muted)
- Voicemail key

### USER INTERFACE FEATURES

- Color 3.5” IPS LCD display (320x240 pixel resolution)
- Voicemail support<sup>1</sup>
- WebKit-based browser
- Two position desk stand (an optional wall mount kit can be ordered separately)
- Unicode UTF-8 character support
- One USB Type-C ports (2.0 compliant) for media, storage applications and headset connectivity
- Surround Lighting for the status indicator (RGB with color mixing) and future applications

- Integrated Bluetooth 5.0 (Edge E320, Edge E350)
- NFC Support
- Multilingual user interface including<sup>2</sup> Arabic (UAE), Chinese (Traditional/ Simplified), Czech, Danish, Dutch, English (Canada/ US/UK), French (France/Canadian), German, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, and Swedish

### AUDIO FEATURES

- Poly HD Voice technology delivers lifelike voice quality for each audio path: handset, hands-free speakerphone, and optional headset
- 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 NoiseBlockAI technology removes most background noise when using the speakerphone
- 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
- Frequency response—150 Hz-14 kHz for handset, optional headset and handsfree speakerphone modes

- Codecs: G.711 (A-law and  $\mu$ -law), G.729AB, G.722 (HD Voice), G.722.1, iLBC, OPUS
- TIA-920 wideband audio, type 1 compliant (IEEE 1329 full duplex)
- 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
- Packet loss concealment

### HEADSET AND HANDSET COMPATIBILITY

- Dedicated RJ-9 headset port
- Hearing aid compatibility to ITU-T P.370 and TIA 504A standards
- Compliant with ADA Section 508 Subpart B 1194.23 (all)
- Hearing aid compatible (HAC) handset for magnetic coupling to hearing aids
- Compatible with commercially available TTY adapter equipment
- USB headset support (USB Type-C)
- Bluetooth headset support (Edge E320, Edge E350)

### CALL HANDLING FEATURES<sup>1</sup>

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



- Shared call/bridged line appearance
- Busy Lamp Field (BLF)
- Flexible line appearance (1 or more-line keys can be assigned for each line extension)
- Distinctive incoming call treatment/ call waiting
- Call timer and call waiting
- Call transfer, hold, divert (forward), park, pickup
- Called, calling, connected party information
- Local 3-way audio conferencing
- 1-touch speed dial, redial
- Remote missed call notification
- Do not disturb function
- Reverse Number Lookup via LDAP
- Calling Party Identification (RFC8225 classifications—Trusted, Unknown, SPAM)
- Electronic hook switch capable
- Local configurable digit map/dial plan

#### OPEN APPLICATION PLATFORM

- WebKit-enabled full browser that supports HTML5, CSS, SSL security, and JavaScript
- Supports Polycom Apps SDK and API for third-party business and personal applications
- NFC-enabled Edge E series phones allow third-party applications to read serial number and other device information that can be useful in application development such as guest login for phone hoteling or Bluetooth pairing<sup>1</sup>
- Corporate directory access using LDAP
- Visual Conference Management

#### NETWORK AND PROVISIONING

- SIP Protocol Support
- SDP
- IETF SIP (RFC 3261 and companion RFCs)
- Two-port gigabit Ethernet switch 10/100/1000Base-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
- Time and date synchronization using SNTP
- FTP/FTPS/TFTP/HTTP/HTTPS server based central provisioning for mass deployments
- Provisioning and call server redundancy supported<sup>1</sup>
- QoS Support—IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS, and DHCP
- VLAN—CDP, DHCP VLAN discovery, LLDP-MED for VLAN discovery
- Network Address Translation (NAT) — support for static configuration and
- “Keep-Alive” SIP signaling
- RTCP and RTP support
- Event logging
- Syslog
- Hardware diagnostics
- Status and statistics reporting
- IPv4, IPv6, dual stack (IPv4/IPv6) mode
- TCP
- UDP
- DNS-SRV
- Wi-Fi network connectivity (EDGE E350)<sup>4</sup>
  - 2.4-2.4835 GHz (802.11b, 802.11g, 802.11n HT-20)
  - 5.15-5.825 GHz (802.11a, 802.11n, HT-20,802.11n HT-40)

#### SECURITY

- 802.1X Authentication and EAPOL Media encryption via SRTP
- Transport Layer Security (TLS)
- Encrypted configuration files
- Digest authentication
- Password login
- Support for URL syntax with password for boot server address
- HTTPS secure provisioning
- Support for signed software executables
- Wi-Fi encryption: WEP, WPA-Personal, WPA2-Personal, WPA2-Enterprise with 802.1X (EAP-TLS, PEAP-MSCHAPv2)

#### POWER

- Built-in auto sensing IEEE 802.3af Power over Ethernet (Class 3) 13 W (Max)
- External Universal AC/DC Adapter (optional) 5VDC @ 3A (15W) - power supply unit (PSU) sold separately<sup>4</sup>
- ENERGY STAR<sup>®</sup> rated

#### SAFETY

- UL62368-1
- CAN/CSA C22.2 No 62368-1-14
- EN 60950-1/62368-1
- IEC 60950-1/62368-1
- AS/NZS 60950.1/62368.1

#### REGULATORY APPROVALS (POLY EDGE E300)<sup>3</sup>

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55032 Class B
- CISPR32 Class B
- VCCI Class B
- EN55024
- EN61000-3-2; EN61000-3-3
- UK - UKCA
- NZ Telepermit
- UAE TRA
- Eurasian Customs Union EAC
- Brazil ANATEL
- Australia RCM
- South Africa ICASA
- Saudi Arabia CITC
- Indonesia SDPPI
- S.Korea KC
- Mexico NOM ANCE
- RoHS Compliant
- CE Mark
- TAA

#### REGULATORY APPROVALS (POLY EDGE E320)<sup>3</sup>

- Argentina ENACOM
- Australia RCM
- Brazil ANATEL
- Canada ICES
- China SRRC

- China RoHS 2.0
- EEA CE Mark
- Eurasian Customs Union EAC
- India WPC
- Indonesia SDPPI
- Israel MOC
- Japan MIC and VCCI
- Malaysia SIRIM
- Mexico IFETEL and NYCE
- NZ Telepermit
- Saudi Arabia CITC
- Singapore IMDA
- South Africa ICASA
- South Korea KC
- Taiwan NCC
- UAE TRA
- UK - UKCA
- USA FCC

#### EMC (POLY EDGE E320)

- FCC Part 15 Class B
- ICES-003 Class B
- EN 55032 Class B
- EN 55024
- EN 301 489-1 and EN 301 489-17
- CISPR32 Class B
- VCCI Class B

#### REGULATORY APPROVALS (POLY EDGE E350)<sup>3</sup>

- Argentina ENACOM
- Australia RCM
- Brazil ANATEL
- Canada ICES
- China SRRC
- China RoHS 2.0
- EEA CE Mark
- Eurasian Customs Union EAC
- India WPC
- Indonesia SDPPI
- Israel MOC
- Japan MIC and VCCI

- Malaysia SIRIM
- Mexico IFETEL and NYCE
- NZ Telepermit
- Saudi Arabia CITC
- Singapore IMDA
- South Africa ICASA
- South Korea KC
- Taiwan NCC
- UAE TRA
- UK - UKCA
- USA FCC

#### RADIO (POLY EDGE E350)

- USA-FCC Part 15.247 & FCC Part 15.407
- Canada-RSS 247 Issue2
- EU-ETSI EN 300 328 & ETSI EN 301 893
- Japan-Article 2.1 Item 19-2 and 19-3
- Australia - AS/NZS 4268

#### EMC (POLY EDGE E350)

- FCC Part 15 Class B
- ICES-003 Class B
- EN 55032 Class B
- EN 55024
- EN 301 489-1 and EN 301 489-3 and EN 301 489-17
- CISPR32 Class B
- VCCI Class B

#### OPERATING CONDITIONS

- Temperature: 0 to 40°C (+32 to 104° F)
- Relative humidity: 5% to 95%, noncondensing

#### STORAGE TEMPERATURE

- -40 to +70° C (-40 to +160° F)

#### POLY EDGE PHONE COMES WITH

- Console with Microban® Antimicrobial protection
- Handset with Microban® Antimicrobial protection
- Handset cord
- Network (LAN) cable—CAT-5E

- Desk Stand
- Wall mount hardware included (Edge E100, E220)
- Setup Sheet

#### POLY EDGE E300, E320, E350 UNIT BOX DIMENSIONS (L X W X D) / WEIGHT

- Box dimension : 22.3 x 27.8 x 8.8 (cm) ; 8.8 x 11 x 3.5 (inches)
- Box weight: 0.96kg/2.1lbs (with product, accessories, and documents)

#### MASTER CARTON QUANTITY

- 10

#### PART NUMBERS - PHONES

- 2200-87815-025  
POLY EDGE E300 IP PHONE
- 2200-87000-025  
POLY EDGE E320 IP PHONE
- 2200-87010-025  
POLY EDGE E350 IP PHONE

#### COUNTRY OF ORIGIN

- China

#### PART NUMBERS - ACCESSORIES

- 2200-49925-001  
EDGE E, CCX350, PSU, 5V/3A, NA/JP
- 2200-49926-015  
EDGE E, CCX350, PSU, 5V/3A, BZ/KR/CN/AR
- 2200-49926-125  
EDGE E, CCX350, PSU, 5V/3A, EU/ANZ/UK/IN

#### WARRANTY

- 1-year limited warranty

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1 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.

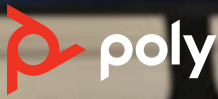
2 Planned localizations

3 Planned compliances

4 Ordering an optional power supply unit will be necessary if not powered over Ethernet with PoE (i.e. Using Wi-Fi for network)

#### LEARN MORE

For more information on Poly Edge E300 Series visit [www.poly.com/edge-e300](http://www.poly.com/edge-e300)



## CUTTING-EDGE EXPERIENCE

### BENEFITS

- Stay informed with style with the surround light status indicator with RGB mixing.
- Hear every nuance with signature Poly HD voice and bass frequency enhancing speaker design.
- Designed with NFC technology for advanced integrations.
- Cut out distracting background noise at the source with Poly NoiseBlockAI and Poly Acoustic Fence technologies.
- Add your choice of devices with USB port for headsets, expansion module, or charging devices.

### POLY EDGE E400 SERIES IP DESK PHONES

It's time for a desk phone with more contacts that makes hybrid work easy. The Poly Edge E400 Series brings two displays and fourteen-line keys to your desktop. These phones offer more ways to connect, plus unbelievable audio, in a seriously sharp package. Built for hot-desking or the home office, these phones provide simple mobile phone pairing, plus bring together Poly's famous noise reduction technology and a cutting-edge design for the perfect user experience. Our most versatile phones to date, the Poly Edge E400 Series is packed with features you didn't even know you needed, like text-to-speech and antimicrobial protection. No matter what size your business, this is the phone that upgrades your office with style, bringing your organization into the future.

- 8-line keys on the main 3.5" color IPS LCD display.
- A second integrated 6-key display supporting 12 speed dials, contacts.
- Optional Poly Edge E expansion module supported.
- Integrated Bluetooth® 5.0 for mobile phone or headset pairing (E450).
- Text-to-speech and new accessibility options.

# POLY EDGE E400 SERIES

|  | <b>POLY EDGE E400</b>   | <b>POLY EDGE E450</b>  |
|--|---|--|
| <b>IDEAL FOR</b>                                   | Enterprise professionals working from the office who rely heavily on contact keys | Enterprise professionals working from the office or home office who rely heavily on contact keys |
| <b>LINE KEYS</b>                                   | 8 on main display, 6 on second display  | 8 on main display, 6 on second display   |
| <b>MAIN DISPLAY LINES, CONTACTS</b>                | 8 displayed / 32 supported  | 8 displayed / 32 supported   |
| <b>SECOND DISPLAY CONTACTS</b>                     | 6 displayed / 12 supported  | 6 displayed / 12 supported   |
| <b>TOTAL LINES/CONTACTS</b>                        | 44 (32 + 12)  | 44 (32 + 12)   |
| <b>PAIRING BLUETOOTH® HEADSET AND MOBILE PHONE</b> | No  | Yes  |
| <b>WI-FI</b>                                       | No  | Yes  |

## SPECIFICATIONS

### LINES / FEATURE KEYS

- 14-line keys (arranged 8+6 on two displays) supporting up to 44-line key assignments for lines, contacts, and features supported with pagination
- 4 context-sensitive “soft” keys
- 4-way navigation key cluster with center “Select” key
- Home and back feature keys
- Pagination key for additional lines/ contacts
- Volume + / - control keys
- Hold and Transfer keys
- Headset select key
- Speakerphone select key
- Mute key (illuminated when muted)
- Voicemail key
- One Poly Edge E Expansion module is supported for addition line keys – order separately

### USER INTERFACE FEATURES

- Color 3.5” IPS LCD primary display (320x240 pixel resolution) and Color 2.4”(240x320 pixel resolution) secondary LCD display for BLF and contacts
- Voicemail support<sup>1</sup>
- WebKit-based browser
- Two position desk stand (an optional wall mount kit can be ordered separately)

- Unicode UTF-8 character support
- One USB Type-C ports (2.0 compliant) for media, storage applications, headset, and expansion module connectivity
- Surround Lighting for the status indicator (RGB with color mixing)
- Integrated Bluetooth 5.0 ( Edge E450 model only)
- NFC Support
- Multilingual user interface including<sup>2</sup> Arabic (UAE), Chinese (Traditional/ Simplified), Czech, Danish, Dutch, English (Canada/ US/UK), French (France/Canadian), German, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, and Swedish

### AUDIO FEATURES

- Poly HD Voice technology delivers lifelike voice quality for each audio path: handset, hands-free speakerphone, and optional headset
- 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 NoiseBlockAI technology removes most background noise when using the speakerphone

- 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
- Bass frequency enhancing design
- Frequency response—150 Hz-14 kHz for handset, optional headset and handsfree speakerphone modes
- Codecs: G.711 (A-law and μ-law), G.729AB, G.722 (HD Voice), G.722.1, iLBC, OPUS
- TIA-920 wideband audio, type 1 compliant (IEEE 1329 full duplex)
- 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
- Packet loss concealment

### HEADSET AND HANDSET COMPATIBILITY

- Dedicated RJ-9 headset port
- Hearing aid compatibility to ITU-T P.370 and TIA 504A standards
- Compliant with ADA Section 508 Subpart B 1194.23 (all)
- Hearing aid compatible (HAC) handset for magnetic coupling to hearing aids

- Compatible with commercially available TTY adapter equipment
- USB headset support (USB Type-C)
- Bluetooth headset support (Edge E450 model only)

### CALL HANDLING FEATURES1

- Enhanced Feature Keys make powerful feature shortcuts online key appearances or soft keys
- Shared call/bridged line appearance
- Busy Lamp Field (BLF)
- Flexible line appearance (1 or more-line keys can be assigned for each line extension)
- Distinctive incoming call treatment/ call waiting
- Call timer and call waiting
- Call transfer, hold, divert (forward), park, pickup
- Called, calling, connected party information
- Local 3-way audio conferencing
- 1-touch speed dial, redial
- Remote missed call notification
- Do not disturb function
- Reverse Number Lookup via LDAP
- Calling Party Identification (RFC8225 classifications—Trusted, Unknown, SPAM)
- Electronic hook switch capable
- Local configurable digit map/dial plan

### OPEN APPLICATION PLATFORM

- WebKit-enabled full browser that supports HTML5, CSS, SSL security, and JavaScript
- Supports Polycom Apps SDK and API for third-party business and personal applications
- NFC-enabled Edge E series phones allow third-party applications to read serial number and other device information that can be useful in application development such as guest login for phone hoteling or Bluetooth pairing<sup>1</sup>
- Corporate directory access using LDAP
- Visual Conference Management

### NETWORK AND PROVISIONING

- SIP Protocol Support
- SDP
- IETF SIP (RFC 3261 and companion RFCs)
- Two-port gigabit Ethernet switch 10/100/1000Base-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
- Time and date synchronization using SNTP
- FTP/FTPS/TFTP/HTTP/HTTPS server based central provisioning for mass deployments
- Provisioning and call server redundancy supported<sup>1</sup>
- QoS Support—IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS, and DHCP
- VLAN—CDP, DHCP VLAN discovery, LLDP-MED for VLAN discovery
- Network Address Translation (NAT) — support for static configuration and
- “Keep-Alive” SIP signaling
- RTCP and RTP support
- Event logging
- Syslog
- Hardware diagnostics
- Status and statistics reporting
- IPv4, IPv6, dual stack (IPv4/IPv6) mode
- TCP
- UDP
- DNS-SRV
- Wi-Fi network connectivity (EDGE E450)<sup>4</sup>
  - 2.4-2.4835 GHz (802.11b, 802.11g, 802.11n HT-20)
  - 5.15-5.825 GHz (802.11a, 802.11n, HT-20,802.11n HT-40)

### SECURITY

- 802.1X Authentication and EAPOL Media encryption via SRTP
- Transport Layer Security (TLS)
- Encrypted configuration files
- Digest authentication
- Password login
- Support for URL syntax with password for boot server address
- HTTPS secure provisioning
- Support for signed software executables
- Wi-Fi encryption: WEP, WPA-Personal, WPA2-Personal, WPA2-Enterprise with 802.1X (EAP-TLS, PEAP-MSCHAPv2)

### POWER

- Built-in auto sensing IEEE 802.3af Power over Ethernet (Class 4) 13 W (Max)
- External Universal AC/DC Adapter 5VDC @ 3A (15W) - power supply unit (PSU) sold separately<sup>4</sup>
- ENERGY STAR<sup>®</sup> rated

### SAFETY

- UL 62368-1
- CAN/CSA C22.2 No. 62368-1-14
- EN 60950-1/62368-1
- IEC 60950-1 and IEC 62368-1
- AS/NZS 60950.1/62368.1

### REGULATORY APPROVALS (POLY EDGE E400)<sup>3</sup>

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55032 Class B
- CISPR32 Class B
- VCCI Class B
- EN55024
- EN61000-3-2; EN61000-3-3
- UK - UKCA
- NZ Telepermit
- UAE TRA
- Eurasian Customs Union EAC
- Brazil ANATEL
- Australia RCM
- South Africa ICASA

- Saudi Arabia CITC
- Indonesia SDPPI
- S.Korea KC
- Mexico NOM ANCE
- RoHS Compliant
- CE Mark
- TAA

### REGULATORY APPROVALS (POLY EDGE E450)<sup>3</sup>

- Argentina ENACOM
- Australia RCM
- Brazil ANATEL
- Canada ICES
- China SRRC
- China RoHS 2.0
- EEA CE Mark
- Eurasian Customs Union EAC
- India WPC
- Indonesia SDPPI
- Israel MOC
- Japan MIC and VCCI
- Malaysia SIRIM
- Mexico IFETEL and NYCE
- NZ Telepermit
- Saudi Arabia CITC
- Singapore IMDA
- South Africa ICASA
- South Korea KC
- Taiwan NCC
- UAE TRA
- UK - UKCA
- USA FCC

### RADIO (POLY EDGE E450)

- USA-FCC Part 15.247 & FCC Part 15.407
- Canada-RSS 247 Issue<sup>2</sup>
- EU-ETSI EN 300 328 & ETSI EN 301 893
- Japan-Article 2.1 Item 19-2 and 19-3
- Australia - AS/NZS 4268

### EMC (POLY EDGE E450)

- FCC Part 15 Class B
- ICES-003 Class B
- EN 55032 Class B
- EN 55024
- EN 301 489-1 and EN 301 489-3 and EN 301 489-17
- CISPR32 Class B
- VCCI Class B

### OPERATING CONDITIONS

- Temperature: 0 to 40°C (+32 to 104° F)
- Relative humidity: 5% to 95%, noncondensing

### STORAGE TEMPERATURE

- -40 to +70° C (-40 to +160° F)

### POLY EDGE E400 AND EDGE E450 PHONES COME WITH

- Console with Microban® Antimicrobial protection
- Handset with Microban® Antimicrobial protection
- Handset cord
- Network (LAN) cable—CAT-5E
- Desk Stand
- Setup Sheet

### POLY EDGE E400 AND EDGE E450 UNIT BOX DIMENSIONS (L X W X D) / WEIGHT

- Box dimension : 25.8 x 30.6 x 8.8 (cm) ; 10.2 x 12 x 3.5 (inches)
- Box weight: 1.11kg/2.45lbs (with product, accessories, and documents)

### MASTER CARTON QUANTITY

- 10

### PART NUMBERS - PHONES

- 2200-87835-025  
POLY EDGE E400 IP PHONE
- 2200-87030-025  
POLY EDGE E450 IP PHONE

### COUNTRY OF ORIGIN

- China

### PART NUMBERS - ACCESSORIES

- 2200-49925-001  
EDGE E, CCX350, PSU, 5V/3A, NA/JP
- 2200-49926-015  
EDGE E, CCX350, PSU, 5V/3A, BZ/KR/CN/AR
- 2200-49926-125  
EDGE E, CCX350, PSU, 5V/3A, EU/ANZ/UK/IN

### WARRANTY

- 1-year limited warranty

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1 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.

2 Planned localizations

3 Planned compliances

4 Ordering an optional power supply unit will be necessary if not powered over Ethernet with PoE (i.e. Using Wi-Fi for network)

### LEARN MORE

For more information on Poly Edge E400 Series visit [www.poly.com/edge-e400](http://www.poly.com/edge-e400)



## CUTTING-EDGE EXPERIENCE

### BENEFITS

- Stay informed with style with the surround light status indicator with RGB mixing.
- Improved accessibility with text-to-speech feature, screen color adjustments for color blindness and bigger font settings.
- Add your choice of devices, with USB ports for expansion modules, headsets, or charging devices.
- Turn your Poly Edge E500 series phone into an attendant console by adding up to two Poly Edge E Expansion Modules.
- Easy to install in home offices or hard to cable locations with included Wi-Fi (E550).

### POLY EDGE E500 SERIES IP DESK PHONES

It's time for a desk phone that makes hybrid work easy. The Poly Edge E500 Series with twelve-line keys offers more ways to connect, plus unbelievable audio, in a seriously sharp package. Built for hot-desking or the home office, these phones provide simple mobile phone pairing, plus bring together Poly's famous noise reduction technology and a cutting-edge design for the perfect user experience. Our most versatile phones to date, the Poly Edge E500 Series is packed with features you didn't even know you needed, like text-to-speech and antimicrobial protection. No matter what size your business, this is the phone that upgrades your office with style, bringing your organization into the future.

- 12-line keys supporting up to 48 lines, features, and contacts.
- Integrated Bluetooth® 5.0 for mobile phone or headset pairing (E550).
- Poly NoiseBlockAI and Poly Acoustic Fence technologies.
- Signature Poly HD voice and bass-frequency-enhancing speaker design.
- Large 5" color IPS LCD display.

# POLY EDGE E500 SERIES

|  | <b>POLY EDGE E500</b>   | <b>POLY EDGE E550</b>  |
|--|---|--|
| <b>IDEAL FOR</b>                                   | Executives and enterprise professionals working from the office | Executives and enterprise professionals working from the office or home office |
| <b>LINE KEYS</b>                                   | 12  | 12   |
| <b>LINES, CONTACTS</b>                             | 12 displayed / 48 supported                                     | 12 displayed / 48 supported  |
| <b>PAIRING BLUETOOTH® HEADSET AND MOBILE PHONE</b> | No  | Yes  |
| <b>WI-FI</b>                                       | No  | Yes  |

## SPECIFICATIONS

### LINES / FEATURE KEYS

- 12-line keys supporting up to 48-line key assignments for lines, contacts, and features supported with pagination
- 4 context-sensitive “soft” keys
- 4-way navigation key cluster with center “Select” key
- Home and back feature keys
- Pagination key for additional lines/ contacts
- Volume + / - control keys
- Hold and Transfer keys
- Headset select key
- Speakerphone select key
- Mute key (illuminated when muted)
- Voicemail key
- Up to two Poly Edge E Expansion modules are supported for addition line keys – order separately

### USER INTERFACE FEATURES

- Color 5” IPS LCD primary display (800x480 pixel resolution)
- Voicemail support<sup>1</sup>
- WebKit-based browser
- Two position desk stand (an optional wall mount kit can be ordered separately)
- Unicode UTF-8 character support
- Two USB Type-C ports (2.0 compliant) for media, storage applications, headset, expansion module and future video camera connectivity

- Surround Lighting for the status indicator (RGB with color mixing)
- Integrated Bluetooth 5.0 (Edge E550 model only)
- NFC Support
- Multilingual user interface including<sup>2</sup> Arabic (UAE), Chinese (Traditional/ Simplified), Czech, Danish, Dutch, English (Canada/ US/UK), French (France/Canadian), German, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, and Swedish

### AUDIO FEATURES

- Poly HD Voice technology delivers lifelike voice quality for each audio path: handset, hands-free speakerphone, and optional headset
- 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 NoiseBlockAI technology removes most background noise when using the speakerphone
- Poly Computer Audio Connector app installed on your PC (Windows only) enables selecting your phone for PC audio in/out to use the phones headset, optional headset and handsfree speakerphone with PC applications
- Bass frequency enhancing design

- Frequency response—150 Hz-14 kHz for handset, optional headset and handsfree speakerphone modes
- Codecs: G.711 (A-law and  $\mu$ -law), G.729AB, G.722 (H400 Voice), G.722.1, iLBC, OPUS
- TIA-920 wideband audio, type 1 compliant (IEEE 1329 full duplex)
- 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

### PACKET LOSS CONCEALMENT HEADSET AND HANDSET COMPATIBILITY

- Dedicated RJ-9 headset port
- Hearing aid compatibility to ITU-T P.370 and TIA 504A standards
- Compliant with ADA Section 508 Subpart B 1194.23 (all)
- Hearing aid compatible (HAC) headset for magnetic coupling to hearing aids
- Compatible with commercially available TTY adapter equipment
- USB headset support (USB Type-C)



## BLUETOOTH HEADSET SUPPORT (E550) CALL HANDLING FEATURES'

- Enhanced Feature Keys make powerful feature shortcuts online key appearances or soft keys
- Shared call/bridged line appearance
- Busy Lamp Field (BLF)
- Flexible line appearance (1 or more-line keys can be assigned for each line extension)
- Distinctive incoming call treatment/call waiting
- Call timer and call waiting
- Call transfer, hold, divert (forward), park, pickup
- Called, calling, connected party information
- Local 3-way audio conferencing
- 1-touch speed dial, redial
- Remote missed call notification
- Do not disturb function
- Reverse Number Lookup via LDAP
- Calling Party Identification (RFC8225 classifications—Trusted, Unknown, SPAM)
- Electronic hook switch capable
- Local configurable digit map/dial plan

## OPEN APPLICATION PLATFORM

- WebKit-enabled full browser that supports HTML5, CSS, SSL security, and JavaScript
- Supports Polycom Apps SDK and API for third-party business and personal applications
- NFC-enabled Edge E series phones allow third-party applications to read serial number and other device information that can be useful in application development such as guest login for phone hoteling or Bluetooth pairing<sup>1</sup>
- Corporate directory access using LDAP
- Visual Conference Management

## NETWORK AND PROVISIONING

- SIP Protocol Support
- SDP
- IETF SIP (RFC 3261 and companion RFCs)

- Two-port gigabit Ethernet switch 10/100/1000Base-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
- Time and date synchronization using SNTP
- FTP/FTPS/TFTP/HTTP/HTTPS server based central provisioning for mass deployments
- Provisioning and call server redundancy supported<sup>1</sup>
- QoS Support—IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS, and DHCP
- VLAN—CDP, DHCP VLAN discovery, LLDP-MED for VLAN discovery
- Network Address Translation (NAT) — support for static configuration and
  - “Keep-Alive” SIP signaling
  - RTCP and RTP support
  - Event logging
  - Syslog
  - Hardware diagnostics
  - Status and statistics reporting
- IPv4, IPv6, dual stack (IPv4/IPv6) mode
  - TCP
  - UDP
  - DNS-SRV
- Wi-Fi network connectivity (EDGE E550)<sup>4</sup>
  - 2.4-2.4835 GHz (802.11b, 802.11g, 802.11n HT-20)
  - 5.15-5.825 GHz (802.11a, 802.11n, HT-20,802.11n HT-40)

## SECURITY

- 802.1X Authentication and EAPOL Media encryption via SRTP
- Transport Layer Security (TLS)
- Encrypted configuration files
- Digest authentication
- Password login
- Support for URL syntax with password for boot server address
- HTTPS secure provisioning

- Support for signed software executables
- Wi-Fi encryption: WEP, WPA-Personal, WPA2-Personal, WPA2-Enterprise with 802.1X (EAP-TLS, PEAP-MSCHAPv2)

## POWER

- Built-in auto sensing IEEE 802.3af Power over Ethernet (Class 4) 13 W (Max)
- External Universal AC/DC Adapter 48VDC @ 0.52 (25W) - power supply unit (PSU) sold separately<sup>4</sup>
- ENERGY STAR<sup>®</sup> rated

## SAFETY

- UL 62368-1
- CAN/CSA C22.2 No. 62368-1-14
- EN 60950-1/62368-1
- IEC 60950-1 and IEC 62368-1
- AS/NZS 60950.1/62368.1

## REGULATORY APPROVALS (POLY EDGE E500)<sup>3</sup>

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55032 Class B
- CISPR32 Class B
- VCCI Class B
- EN55024
- EN61000-3-2; EN61000-3-3
- UK - UKCA
- NZ Telepermit
- UAE TRA
- Eurasian Customs Union EAC
- Brazil ANATEL
- Australia RCM
- South Africa ICASA
- Saudi Arabia CITC
- Indonesia SDPPI
- S.Korea KC
- Mexico NOM ANCE
- RoHS Compliant
- CE Mark
- TAA

## REGULATORY APPROVALS (POLY EDGE E550)<sup>3</sup>

- Argentina ENACOM
- Australia RCM
- Brazil ANATEL
- Canada ICES
- China SRRC
- China RoHS 2.0
- EEA CE Mark
- Eurasian Customs Union EAC
- India WPC
- Indonesia SDPPI
- Israel MOC
- Japan MIC and VCCI
- Malaysia SIRIM
- Mexico IFETEL and NYCE
- NZ Telepermit
- Saudi Arabia CITC
- Singapore IMDA
- South Africa ICASA
- South Korea KC
- Taiwan NCC
- UAE TRA
- UK - UKCA
- USA FCC

## RADIO (POLY EDGE E550)

- USA–FCC Part 15.247 & FCC Part 15.407
- Canada–RSS 247 Issue<sup>2</sup>
- EU–ETSI EN 300 328 & ETSI EN 301 893
- Japan–Article 2.1 Item 19-2 and 19-3
- Australia - AS/NZS 4268

## EMC (POLY EDGE E550)

- FCC Part 15 Class B
- ICES-003 Class B
- EN 55032 Class B
- EN 55024
- EN 301 489-1 and EN 301 489-3 and EN 301 489-17
- CISPR32 Class B
- VCCI Class B

## OPERATING CONDITIONS

- Temperature: 0 to 40°C (+32 to 104° F)
- Relative humidity: 5% to 95%, noncondensing

## STORAGE TEMPERATURE

- -40 to +70° C (-40 to +160° F)

## POLY EDGE E500 AND EDGE E550 PHONES COME WITH

- Console with Microban® Antimicrobial protection
- Handset with Microban® Antimicrobial protection
- Handset cord
- Network (LAN) cable–CAT-5E
- Desk Stand
- Setup Sheet

## POLY EDGE E500 AND EDGE E550 UNIT BOX DIMENSIONS (L X W X D) / WEIGHT

- Box dimension : 25.6 x 33.8 x 8.8 (cm) ; 10 x 13.3 x 3.5 (inches)
- Box weight: 1.08kg/2.4lbs (with product, accessories, and documents)

## MASTER CARTON QUANTITY

- 10

## PART NUMBERS - PHONES

- 2200-87855-025  
POLY EDGE E500 IP PHONE
- 2200-87050-025  
POLY EDGE E550 IP PHONE

## COUNTRY OF ORIGIN

- China

## LEARN MORE

For more information on Poly Edge E500 Series visit [www.poly.com/edge-e500](http://www.poly.com/edge-e500)

## PART NUMBERS - ACCESSORIES

- 2200-87020-025  
POLY EDGE E EXPANSION MODULE
- 2200-49760-001  
CCX 500/600/700,EDGE E500,PSU,48V/0.52A,NA
- 2200-49760-002  
CCX 500/600/700,EDGE E500,PSU,48V/0.52A,JP
- 2200-49760-012  
CCX 500/600/700,EDGE E500,PSU,48V/0.52A,AU
- 2200-49760-016  
CCX 500/600/700,EDGE E500,PSU,48V/0.52A,KR
- 2200-49760-022  
CCX 500/600/700,EDGE E500,PSU,48V/0.52A,CN
- 2200-49760-036  
CCX 500/600/700,EDGE E500,PSU,48V/0.52A,IN
- 2200-49760-102  
CCX 500/600/700,EDGE E500,PSU,48V/0.52A,UK
- 2200-49760-122  
CCX 500/600/700,EDGE E500,PSU,48V/0.52A,EU
- 2200-49760-212  
CCX 500/600/700,EDGE E500,PSU,48V/0.52A,BZ

## WARRANTY

- 1-year limited warranty

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1 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.

2 Planned localizations

3 Planned compliances

4 Ordering an optional power supply unit will be necessary if not powered over Ethernet with PoE (i.e. Using Wi-Fi for network)



## SMART CONFERENCE PHONE FOR SMALL MEETING ROOMS.

### BENEFITS

- Make every meeting productive with Poly's legendary voice quality and up to 3.7 m/12 ft range
- Start a meeting in seconds with one-touch-join
- Maximize your investment with connectivity to on-premises and cloud platforms at once—ideal for hybrid environments
- Reduces time, money and IT resources with robust management and deployment options

### POLY TRIO 8300

#### Smart conference phone for small meeting rooms

Think your small meeting room has limited possibilities? Think again. Poly Trio 8300 transforms any small conference hub into a smart collaboration space with the touch of a button. Launch conference calls in seconds. Fill the room with rich audio. Tune out distractions and keep everyone engaged with Poly NoiseBlock technology. Optimal coverage ensures every voice is heard. One device provides Wi-Fi<sup>2</sup>, USB, Bluetooth<sup>®</sup> and IP connectivity, and a simple interface launches meetings in seconds. Plus, you get future-proof flexibility with the option to easily add video conferencing and content sharing accessories. With all these options in one smart device, you can help your teams get more done in less space. And make meetings more engaging for everyone.

- Audio connectivity for mobile devices
- Wi-Fi audio calling (2.4-5 GHz)<sup>2</sup>
- Poly NoiseBlock eliminates background noise
- Future-proof flexible modular architecture

# POLY TRIO 8300



## SPECIFICATIONS

### AUDIO

- Three cardioid microphones
- Loudspeaker frequency: 220-14,000 Hz
- Volume: 90 dB at 0.5-m peak volume
- 3.7 m/12 ft microphone pickup range

### AUDIO FEATURES

- Audio Codecs
  - G.711 (A-law and  $\mu$ -law)
  - G.722
  - G.722.1, G.722.1C
  - G.729AB
  - G.719
  - SILK
  - Polycom® Siren™ 7, Siren™ 14
  - iLBC (3.33Kbps and 15.2Kbps)
  - Opus (8Kbps-24Kbps)
- Poly NoiseBlock
- Voice activity detection
- Polycom® Acoustic Clarity™ technology provides full-duplex conversations, acoustic echo cancellation and background noise suppression–Type 1 compliant (IEEE 1329 full duplex)
- Bluetooth device pairing for wideband speech and multimedia streaming (HFP/AD2P)<sup>2</sup>
- DTMF tone generation (RFC 2833 and in-band)
- Comfort noise generation
- Low-delay audio packet transmission
- Adaptive jitter buffers
- Packet loss concealment

### CALL HANDLING FEATURES<sup>1</sup>

- Up to three lines (registrations)
- Shared call/bridged line appearance (for single line registration use only)
- Distinctive incoming call treatment/call waiting
- Call timer and call waiting
- Call transfer, hold, divert (forward), pickup
- Called, calling, connected-party information
- Local five-way audio conferencing
- One-touch speed dial and meeting join
- Do-not-disturb function
- Local configurable digit map/dial plan
- Corporate directory access using LDAP
- Visual conference management

### NETWORK AND PROVISIONING

- IETF SIP (RFC 3261 and companion RFCs)
- SDP
- Single-port gigabit Ethernet 10/100/1000Base-TX across LAN
- Wi-Fi network connectivity<sup>2</sup>
  - 2.4–2.4835 GHz (802.11b, 802.11g, 802.11n HT20)
  - 5.15–5.825 GHz (802.11a)
- Manual or dynamic host configuration protocol (DHCP) network setup
- Time and date synchronization using SNTP
- FTP/TFTP/HTTP/HTTPS server-based central provisioning
- RealPresence Resource Manager (v 10.7 or above) based provisioning
- Provisioning and call server redundancy support

- Polycom Zero Touch Provisioning
- PDMS-E, PDMS-SP
- QoS Support
- IEEE 802.1p/Q tagging (VLAN), layer 3 TOS, and DSCP
- VLAN-CDP, DHCP VLAN discovery
- LLDP-MED for VLAN discovery

### SECURITY

- FIPS 140-2 compliant cryptographic module
- 802.1X authentication and EAPOL
- Media encryption via SRTP
- Transport layer security (TLS) v1.2
- Encrypted configuration files
- Digest authentication
- Password login
- Support for URL syntax with password for boot server address
- HTTPS secure provisioning
- Support for signed software executables
- Wi-Fi encryption: WEP, WPA-Personal, WPA2-Personal, WPA2-Enterprise with 802.1X (EAP-TLS, PEAP-MSCHAPv2)<sup>2</sup>

### POWER

- LAN IN: Built-in auto-sensing IEEE 802.3af. PoE Device (Class 0)
- Optional power kit includes extended single-port gigabit midspan, 802.3af Type 2 compliant, local power cord and network cable
- ENERGY STAR® rated

## APPROVALS

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55032 Class B
- CISPR22 Class B
- EN55024
- EN61000-3-2, EN61000-3-3
- NZ Telepermit
- Australia RCM
- ROHS Compliant
- So. Africa ICASA
- Saudi Arabia CITC
- Singapore IMDA
- UAE TRA
- Japan MIC/VCCI
- Australia/NZ RCM
- Brazil ANATEL
- So. Korea KC
- Argentina CNC
- Malaysia SIRIM
- Taiwan NCC/BSMI
- Israel MOC

## RADIO<sup>2</sup>

### US

- FCC Part 15C
- FCC Part 15E

### CANADA

- RSS 247 Issue 1

### EEA

- ETSI EN 300 328 V1.9.1
- ETSI EN 301 489-3
- ETSI EN 301489-1
- ETSI EN 301489-17

## AUSTRALIA/NEW ZEALAND

- AS/NZS 4268

## CANADA

- RSS 247 Issue 1
- EEA
- ETSI EN 300 328 V1.9.1
- ETSI EN 301 489-3

## AUSTRALIA/NEW ZEALAND

- AS/NZS 4268

## SAFETY

- UL 60950-1 and UL 62368-1
- CSA C22.2 No. 60950-1-07
- CSA C22.2 No. 62368-1-14
- CE Mark
- EN 60950-1 & EN 62368-1
- IEC 60950-1 & IEC 62368-1
- AS/NZS 60950.1
- AS/NZS 62368.1

## ENVIRONMENTAL

- Operating temperature: 0 to 40 °C (+32 to 104 °F)
- Relative humidity: 5% to 95% (non-condensing)
- Storage temperature: -20 to +70 °C (-4 to +160 °F)

## POLY TRIO 8300 SHIPS WITH

- Phone console: 2200-66840-xxx
- 7.6 m/25 ft network cable CAT 5e
- Setup sheet

## OPTIONAL ACCESSORIES (SOLD SEPARATELY)

- Expansion microphones (pair): 2200-65790-001
- Power kit (for non-PoE installation): 2200-66840-xxx
- USB 2.0 cable Micro-B/male to Type A/male for using Trio 8300 as USB speakerphone for VoIP calls via computer based applications: 2200-49307-002
- Trio 8300 collaboration kit for videoconferencing (Includes: Trio 8300, Visual+ EagleEye Mini camera: 7200-83330-025)

## WARRANTY

- One year

## PRODUCT MODEL NAME

- Poly Trio 8300

## DIMENSIONS (L X W X H)

- Phone: 33.9 x 29.4 x 6 cm (13.3 x 11.5 x 2.4 in)
- Unit weight: 735 g (1.62 lbs)
- Box dimensions: (L x W x H): 40 x 36 x 8.5 cm (15.7 x 14.1 x 3.5 in)
- Box weight: approx. 1.76 Kg (2.2 lbs)

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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.

<sup>2</sup> Not available with Poly Trio 8300 NR (No Radio) version.

## LEARN MORE

For more information on Poly Trio 8300 visit [poly.com/trio8300](https://poly.com/trio8300)



## SMART CONFERENCE PHONE FOR LARGE MEETING ROOMS

### **BENEFITS**

- Poly's legendary voice quality fills the room with HD Voice 22 kHz audio and 6 m/20 ft pickup
- Enjoy versatile audio connectivity from your preferred mobile devices (USB, Bluetooth®)
- Start a meeting in seconds with one-touch-join
- Make decisions faster with rich video and content sharing options

### **POLY TRIO 8800**

Whip your large meeting rooms into havens of productive collaboration with one simple addition. Poly Trio 8800. Our super-smart conference phone has a great sense of space. With its 6 m/20 ft of pickup, legendary voice quality and NoiseBlock technology, it makes sure the flow of ideas is uninterrupted.

Meetings are launched in seconds with a single touch. And video conferencing and content sharing can be easily added, ensuring future-proof flexibility. Wi-Fi, USB and Bluetooth® are built in—so feel free to BYOD.

With Poly Trio 8800, think big rooms, big possibilities.

- Connectivity to multiple platforms
- Versatile, modular architecture
- Poly NoiseBlock
- Supports a range of feature-rich EagleEye cameras

# POLY TRIO 8800



## SPECIFICATIONS

### USER INTERFACE FEATURES

- Gesture-based, multitouch-capable capacitive touch screen
- 5-inch color LCD (720 x 1280 pixel), 9:16 aspect ratio
- On-screen virtual keyboard
- 1 USB 2.0 Type A-compliant port USB battery charging BC1.2 compliant (requires full Class 4 power input on LAN IN for operation)
- 1x USB 2.0 Micro-B device port for use as USB audio device
- Integrated Bluetooth 4.0 and NFC
- 3 multicolored capacitive-touch mute indicators
- Unicode UTF-8-character support
- User interface localized in Arabic, Chinese, Danish, Dutch, English (Canada/US/UK), French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovenian, Spanish and Swedish

### AUDIO FEATURES

- 3 cardioid microphones
- Loudspeaker
  - Frequency: 100-22,000 Hz
  - Volume: 92 dB at 0.5-m peak volume
- 6 m/20 ft microphone pickup range
- Supported codecs:
  - G.711 (A-law and  $\mu$ -law)
  - G.719
  - G.722, G722.1, G722.1C
  - G.729AB
  - Poly Siren 7, Siren 14
  - iLBC (3.33Kbps and 15.2Kbps)
  - Opus (8Kbps - 24Kbps)
  - SILK

- Poly Acoustic Clarity technology provides full-duplex conversations, acoustic echo cancellation and background noise suppression-Type 1 compliant (IEEE 1329 full duplex)
- Poly NoiseBlock
- Voice activity detection
- Comfort noise generation
- DTMF tone generation (RFC 2833 and in-band)
- Bluetooth device pairing for wideband speech and multimedia streaming (HFP/AD2P)
- Low-delay audio packet transmission
- Adaptive jitter buffers
- Packet loss concealment

### CALL HANDLING FEATURES

- Up to three lines (max. one Skype for Business and Microsoft Teams)
- Shared call/bridged line appearance
- Distinctive incoming call treatment/call waiting
- Call timer and call waiting
- Call transfer, hold, divert (forward), pickup
- Called, calling, connected-party information
- One-touch speed dial and meeting join
- Local five-way audio conferencing
- Daisy-chain up to four
- Do-not-disturb function
- Local configurable digit map/dial plan
- Corporate directory access using LDAP
- Visual conference management

### NETWORK AND PROVISIONING

- Open SIP
- Skype for Business certified<sup>1</sup>
- Microsoft Teams certified<sup>1</sup>
- Zoom certified
- IETF SIP (RFC 3261 and companion RFCs)
- Two-port gigabit Ethernet switch
  - 10/100/1000Base-TX across LAN and 2nd port
  - 2nd port supports IEEE 802.3af PSE
- Wi-Fi network connectivity
  - 2.4–2.4835 GHz (802.11b, 802.11g, 802.11n HT-20)
  - 5.15–5.825 GHz (802.11a, 802.11n, HT-20, 802.11n HT-40)
- Manual or dynamic host configuration protocol (DHCP) network setup
- Time and date synchronization using SNTP
- FTP/TFTP/HTTP/HTTPS server-based central provisioning
- RealPresence Resource Manager (v. 10.1 or above) based provisioning
- Poly Zero Touch Provisioning
- Provisioning and call server redundancy support
  - RealPresence Resource Manager (v 10.1 or above) based provisioning
  - PDMS-E, PDMS-SP
- QoS support
  - IEEE 802.1p/Q tagging (VLAN), layer 3 TOS, and DSCP
  - WMM (Wi-Fi multimedia)
- VLAN – CDP, DHCP VLAN discovery
- LLDP-MED for VLAN discovery

## SECURITY

- FIPS 140-2 compliant cryptographic module
- 802.1X authentication and EAPOL
- Media encryption via SRTP
- Transport layer security (TLS) v 1.2
- Encrypted configuration files
- Digest authentication
- Password login
- Support for URL syntax with password for boot server address
- HTTPS secure provisioning
- Support for signed software executables
- Wi-Fi encryption: WEP, WPA-Personal, WPA2-Personal, WPA2-Enterprise with 802.1X (EAP-TLS, PEAP-MSCHAPv2)

## POWER

- LAN IN: Built-in auto-sensing IEEE 802.3at PoE Device (Class 4) (requires full Class 4 power input on LAN IN for operation). Backward compatibility with IEEE 802.3af
- LAN OUT: Built-in auto-sensing IEEE 802.3af power sourcing equipment (requires full Class 4 power input on LAN IN for operation)

## APPROVALS

- Japan MIC/VCCI Class B
- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- CISPR22 Class B
- VCCI Class B
- EN 301 489-1, EN 301 489-3, EN 301 489-17
- EN61000-3-2; EN61000-3-3
- NZ Telepermit
- Australia A&C Tick
- ROHS compliant

## RADIO

- US
  - FCC Part 15.247
  - FCC Part 15.407
  - FCC Part 15.225
- Canada
  - RSS 247 Issue 1
- EU
  - ETSI EN 300 328 v1.9.1
  - ETSI EN 301 893 v1.7.1
  - ETSI EN 300 330
- Japan
  - Japan Item (19)
  - Japan Item (19)-3
  - Japan Item (19)-3-2
- Australia
  - AS/NZ4268

## SAFETY

- UL 60950-1
- UL 62368-1
- CE Mark
- CAN/CSA-C22.2 No. 60950-1-03
- CAN/CSA C22.2 No. 62368-1-14
- EN 60950-1
- EN 62368-1
- IEC 60950-1
- IEC 62368-1
- AS/NZS 60950-1
- AS/NZS 62368-1-17

## ENVIRONMENTAL CONDITIONS

- Operating temperature: 0 to 40°C (+32 to 104°F)
- Relative humidity: 5% to 95% (non-condensing)
- Storage temperature: -20 to +70°C (-4 to +160°F)

## POLY TRIO 8800 SHIPS WITH

- Open SIP Conference phone 2200-66070-025 OR Skype for Business or Microsoft Teams conference phone 2200-66070-019
- 7.6 m/25 ft network cable CAT 5e
- 2 m/6.5 ft USB 2.0 cable
- Cable wrap
- Tactile overlay for improved accessibility
- Setup sheet

## ACCESSORIES (OPTIONAL)

- Poly Trio Expansion Microphones (2200-65790-001)
- Power kit incl. ext. single-port gigabit mid-span, 802.3at Type 2 compliant, local power cord and network cable (7200-23490-xxx)

## WARRANTY

- 1 year

## PHONE DIMENSIONS (L X W X H)

- 38.3 x 7.5 x 33.2 cm (15.1 x 2.9 x 13.1 in)
- Unit weight: 950 g/2.1 lbs

## BOX DIMENSIONS (L X W X H)

- 48.3 x 11.5 x 39.4 cm (19 x 4.5 x 15.5 in)
- Box weight: 1970 g/4.3 lbs

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Poly Trio 8800 is also known as Polycom RealPresence Trio 8800.

## LEARN MORE

For more information about Poly Trio Video Collaboration Kits, visit [poly.com/trio](https://poly.com/trio)





## MONO BLUETOOTH® HEADSET SYSTEM

### BENEFITS

- IT managers have it easy—only one Office Bluetooth® wireless headset system needs to be deployed globally
- Users don't have to worry about battery life comes with a charging base or charging case
- Great for outdoor use, with four-microphone noise-canceling design, WindSmart technology and P2i coating for moisture protection
- Microsoft Teams version to support easy collaboration and communication with a dedicated Team button for instant access to the Teams App

### VOYAGER 5200 OFFICE AND UC SERIES

Workers in and out of the office need a Bluetooth® headset that moves with them. Voyager 5200 Office and UC Series headset system sounds professional in any environment whether connected to a desk phone, PC or mobile. With six layers of WindSmart technology and four omni-directional microphones to reduce distracting background noise, nothing gets in the way of a clear connection—no matter what type of device they are using to communicate with in and out of the office. Sleek and pocket-sized, the headset is comfortable enough to wear all day. And workers don't have to worry about battery life due to convenient charging options. The Office and UC Series makes sure they're ready to talk whenever, wherever.

- All-day comfort, discreet wearing style
- Pocket-sized headset is perfect for on the go
- Easy connectivity options for your different communication needs
  - **Voyager 5200 Office Series one-way base** connects to your desk phone via telephone interface or EHS cable
  - **Voyager 5200 Office Series two-way base** connects to your desk phone via telephone interface or EHS cable and to your PC/Mac via USB-A or USB-C cable
  - **Voyager 5200 UC** connects via a BT600 USB adapter (USB-A or USB-C options) to your PC/Mac and directly to the mobile phone

# VOYAGER 5200 OFFICE AND UC SERIES



## SPECIFICATIONS

### TALK TIME/STAND BY

- Up to 7 hrs
- Up to 9 days standby time

### WIRELESS RANGE

- UC Models
  - Up to 30 m/98 ft
- Office Models
  - Up to 75 m/250 ft<sup>1</sup>

### HEADSET WEIGHT

- 20 gm / .04 lbs

### BLUETOOTH® TECHNOLOGY

- Bluetooth Version
  - Bluetooth 5.0 with BLE
- Bluetooth Profiles
  - A2DP
  - HFP
  - HSP
  - PBAP
  - SSP2

### AUDIO FEATURES

- Six layers of WindSmart technology
- PC wideband and mobile wideband
  - Up to 6,800 Hz
- Echo cancellation
- Proprietary DSP
- A2DP

### CODECS

- MSBC
- G.722
- CVSD
- SBC

### SPEAKER SIZE

- 13.6 mm

### SPEAKER RANGE COMMUNICATION

- 100 Hz-6.8 kHz

### SPEAKER RANGE MUSIC/MEDIA

- 100 Hz-20 kHz

### SPEAKER SENSITIVITY

- Optimized for telecommunications, music/media

### SPEAKER IMPEDANCE

- 16 ohm

### BATTERY CAPACITY

- 122 mAh typical / 120 mAh minimum

### BATTERY TYPE

- Rechargeable non-replaceable lithium-ion

### CHARGE TIME

- 1.5 hours

### HEARING PROTECTION

- SoundGuard
  - Sound leveling for listening comfort and acoustic limiting for protection against sounds above 118 dBA

### MICROPHONE AND TECHNOLOGY

- Digital MEMS omni-directional four mic array, multi-mic noise canceling

### CALL CONTROLS

- Call answer/ignore/end
- Redial
- Mute
- Volume + /-

## LEARN MORE

For more information on Voyager 5200 Office and UC visit

[www.poly.com/voyager-5200](http://www.poly.com/voyager-5200)

### MEDIA CONTROLS

- Track forward/track back/pause/play

### ALERTS

- Enhanced voice alerts announce remaining talk-time, mute and connection status

### NFC PAIRING

- Yes

### SOFTPHONE COMPATIBILITY

- Built for UC applications and softphones from Avaya, Cisco, Microsoft, and more
- Coming Soon
  - Microsoft Teams

### APPS

- Plantronics Hub desktop<sup>2</sup> version is available for Windows/Mac
  - Mobile version offered on Android and iOS
- Plantronics Manager Pro<sup>2</sup> suites
  - Asset Management & Adoption
  - Call Quality & Analytics
  - Health & Safety
- Amazon Alexa (easy access)
- Tile (lost headset location)

<sup>1</sup>Voyager 5200 CD, Voyager 5200 D, Line of sight

<sup>2</sup>Plantronics Manager Pro/Plantronics Hub desktop is not supported with the desk phone only models

# Poly Voyager 5200 USB-A Bluetooth Headset +BT700 dongle

Now anywhere is a great place to talk

Working in and out of the office? We've got you covered. The Voyager 5200 headset provides professional-grade sound, no matter where you take the call. Now you can thrive in any environment on any of your devices, with versatile connectivity and Bluetooth® technology.



\*Product image may differ from actual product

#### Clear, distraction-free calling

From bustling city streets to the corner café, some of life's most important calls happen in the most unexpected places. Our cutting-edge noise-cancelling and six layers of WindSmart technology eliminate disruptive background noise like wind and chatter so your voice sounds clear, indoors and out.

#### Raise the power of your voice

Take hands free to a whole new level. A dedicated voice control button easily activates your favorite voice assistant. Whispered alerts update you on talk time, and even announce the names of incoming callers so you can simply say "Answer" or "Ignore" to calls without lifting a finger.

#### Wear it comfortably all day

The rigorously tested ergonomic design ensures all-day comfort on a wide range of ear shapes, so it feels as comfortable on your last call of the day as it did on the first. This comfort-tested design comes with three ear tip sizes to ensure a secure-fit so you'll forget you're even wearing it.

#### Four-mic noise cancelling

Cutting edge noise cancelling technology eliminates background noise, so your voice always sounds clear. Four-mic array and our adaptive Digital Signal Processors (DSP) work together to cancel disruptive background noise like traffic or crowds.

#### Take the call anywhere

Six layers of our unique WindSmart technology detect wind direction and respond accordingly so your voice comes through clearly - especially outdoors.

#### High-quality audio

Supports HD Voice over wideband networks and devices to enhance speech quality, so your caller clearly hears and understands you.

#### Smart sensor technology

Smart sensors know when the headset is on or off; calls can be easily answered by simply putting on the headset; pause music for incoming calls, or mute a call by taking the headset off.

Datasheet

# Poly Voyager 5200 USB-A Bluetooth Headset +BT700 dongle

## Specifications



### Compatible with

**Compatible operating systems:** Windows; macOS

### Connectivity and communications

**Paired devices:** Up to 8

**Bluetooth version:** 5.0

**Supported bluetooth profiles:** A2DP; HFP; HSP; PBAP; SSP2

**Connection type:** Bluetooth®; USB Type-A

**Ear cushions:** Artificial leather (surface material)

**Headphone type:** In-ear (monoaural)

**Base lights:** PC; Desk phone

**Voice assistant:** Siri; Google

**Voice alerts:** Volume maximum; Volume minimum; Mute on; Mute off; Muted; Connection status; Talk time; Battery low

### User interface features

**Button user controls:** Redial; Mute; Volume +/-; Call answer/ignore/end; Play/pause/track forward/back

### Audio

**Audio features:**

Internal adaptive 20-band equalizer

Echo cancellation

Sidetone detection

WindSmart technology

Digital signal processing (DSP)

Smart sensor technology

**Microphone type:** Omnidirectional; Digital MEMS

**Microphone bandwidth:** 100 Hz to 6.8 kHz

**Speaker bandwidth:** 100 Hz to 20 kHz

**Speaker size:** 13.6 mm

**Charge time:** <1.6 hours

**Frequency response (microphone):** 100 Hz to 8 kHz

**Sensitivity (microphone):** -38 dBV/Pa

**Sensitivity (speaker):** 90 dB

### Battery

**Battery life:** Up to 7 hours (talk time); Up to 9 days (standby time)

**Battery description:** Rechargeable Li-ion polymer

**Battery capacity:** 122 mAh

**Impedance:** 32 ohms

### Certifications

**Certified collaboration software:** Microsoft Teams

**Special features:** Multipoint technology; Sweatproof nano-coating by P2i for sweat and moisture protection

### Environmental

**Acoustic protection technology:** SoundGuard<sup>1</sup>

### Applications supported

**Management software:**

Poly Lens

### Minimum system requirements

Bluetooth®; USB Type-A port

### Weight and dimensions

**Product Primary Color:** Black

**Weight (imperial):** 0.04 lb

**Weight (metric):** 20 g

**Product dimensions (imperial):** 3.6 x 2.1 x 0.6 in

**Product Dimensions (metric):** 91 x 53 x 15 mm

**Cable length (imperial):** 3.81 ft (inline module to headset); 3.08 ft (USB to inline module); 7.12 ft (total USB to headset)

**Cable length (metric):** 116 cm (inline module to headset); 94 cm (USB to inline module); 217 cm (total USB to headset)

**Product number:** 7K2F3AA

### Warranty

Poly standard one-year limited warranty

### What is in the box

Micro USB charging cable

Quick start guide

Warranty card

Wireless headset

S/M/L eartips

Charging case

BT700 Bluetooth® USB adapter

### Technical Specifications Footnotes

<sup>1</sup> Protects against Acoustic Shock by limiting sounds to below 118 dBA. <sup>2</sup> Requires Poly Lens Desktop App to enable SoundGuard Digital features.



## STEREO BLUETOOTH® HEADSET

### BENEFITS

- Stay comfortable during a full day of calls wearing an ultra-comfortable headband with sling and plush ear cushions.
- Enjoy the simplicity of an easy-to-use headset with smart sensors for answering calls, pausing music and instantly muting calls.
- Give those around you a visual cue that you're busy—an online ear cup indicator flashes when you're on a call.
- It just works—the smart microphone boom automatically maintains left and right audio no matter which side the headset is worn.

### VOYAGER FOCUS 2

We couldn't build a wall around you to block out background noise, so we did the next best thing: created a "focus zone" with the new Voyager Focus 2 headset. All you hear is your call with three levels of hybrid active noise canceling (ANC). All they hear is you with our pro-grade microphones using Poly Acoustic Fence technology. And while you're thinking about your call, it's thinking for you, alerting you so you never again have to say, "Oops, I forgot I'm on mute." Heck, just put on the headset and it automatically answers the call for you. It's all the Poly next-level engineering you expect with the wear-it-all-day comfort you need.

- Three levels of Advanced Digital Hybrid Active Noise Canceling (ANC).
- Advanced multiple microphone noise canceling with Acoustic Fence technology in a discreet boom.
- Stereo sound for calls and media/music.
- Dynamic Mute Alert senses and tells you when talking while muted.

# VOYAGER FOCUS 2



VOYAGER FOCUS 2 UC



VOYAGER FOCUS 2 UC  
WITH CHARGE STAND



VOYAGER OFFICE BASE  
(Available as an accessory,  
sold separately)

## SPECIFICATIONS

### CONNECTS TO

- Voyager Focus 2 UC: PC via included BT700 Bluetooth adapter or via USB cable; smartphone via Bluetooth
- Voyager Office base\*: PC via included USB-A or USB-C cable, desk phone via included cable.

### RECOMMENDED FOR

- Voyager Focus 2 UC: Professionals on calls all day in noisy home or office environments
- Voyager Office base\*: Professionals that want to connect their Voyager Focus 2 or Voyager 4300 UC Series headset to a desk phone

### WIRELESS

- Bluetooth v5.1
- Class 1
- Multipoint connectivity, headset connects to two devices at the same time, remembers up to 8 devices
- Supported Bluetooth profiles
  - A2DP, AVRCP, HSP, HFP
- Range
  - Voyager Focus 2 UC: up to 50 m/164 ft
  - Voyager Office base: up to 91 m/300 ft

### WIRED

- Connect to PC via included micro USB cable with audio over USB mode

### BATTERY

- Battery Capacity: 560mAh
- Battery Type: lithium ion
- Talk time:
  - Up to 25 hours (ANC and online indicator off)\*\*
  - Up to 20 hours (ANC on and online indicator off)\*\*
  - Up to 18 hours (ANC off and online indicator on, default setting)
  - Up to 16 hours (ANC on and online indicator on, default setting)
- Listening Time:
  - Up to 40 hours (ANC off)
  - Up to 24 hours (ANC on)
- Charge time: 2 hours for a full charge
- Standby time: up to 30 days

### RECEIVE FREQUENCY RESPONSE

- Dynamic EQ optimized for PC wideband voice telephony up to 7 kHz or for multimedia 20 Hz to 20 kHz

### ANC TECHNOLOGY

- Digital Hybrid ANC using two digital MEMS microphones and 2 analog ECM microphones with three user settings (Off/low/high)

### SMART SENSORS

- Answer calls by simply putting on the headset, mute by taking the headset off and pause/resume music

### HEARING PROTECTION

- SoundGuard DIGITAL: G616 support limits the level to 102 dB SPL; Time-weighted average prevents average daily noise exposure from exceeding 85dBA\*\*\*

### MICROPHONE AND TECHNOLOGY

- Discrete noise canceling boom with Acoustic Fence technology to Microsoft Teams Open Office Premium microphone
- Smart discrete microphone boom: wear on either side and maintain location of R/L stereo. Rotate boom up to mute and down to unmute

### HEADSET CONTROLS AND LIGHTS

- Call answer/end, mute, volume +/-, power on/off/pairing, ANC: Off, low, high
- Online Indicator - Two LED indicators on speaker housing shows in a call status

### HEADSET BASE CONTROLS

- Voyager Focus 2 UC with Charge Stand: Desk charger only
- Voyager Office base\*: Desk phone, softphone selector button; Microsoft Teams button (Microsoft Teams version only); and desk phone configuration, transmit and receive adjustment

### HEADSET WEIGHT

- 175 g/.38 lbs

## ACCESSORIES (INCLUDED)

- Voyager Focus 2 UC: Carry case, BT700 USB adapter and charging cable
- Voyager Focus 2 UC with Charge Stand: Carry Case, BT700 USB adapter, charging cable and charging base
- Voyager Office base\*: USB-A, USB-C cable, telephone interface cable, power supply

## MANAGEABILITY

- Cloud: Poly Lens service
- Local (Windows/Mac): Poly Lens Desktop App (some solutions sold separately)

## CERTIFICATION

- Microsoft Teams (Teams version only)

## WARRANTY

- 2-year limited warranty included

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\*Voyager Office Base is available as an accessory and is sold separately. Also compatible with Voyager 4300 UC Series headsets.

\*\*Online indicator adjustments require a setting change via Poly Lens or Plantronics Hub.

\*\*\*Requires Poly Lens Desktop App to enable SoundGuard DIGITAL features.

## LEARN MORE

For more information on Voyager Focus 2, please visit [poly.com/voyager-focus-2](https://poly.com/voyager-focus-2)

For more information on the Voyager Office base visit [poly.com/voyager-office-base](https://poly.com/voyager-office-base)

# Poly VFOCUS2 USB-C Headset with charge stand

## The sweet sound of Focus

We couldn't build a wall around you to block out background noise, so we did the next best thing: created a "focus zone" with the new Voyager Focus 2 headset. All you hear is your call with three levels of hybrid Active Noise Cancelling (ANC). All they hear is you with our pro-grade microphones using Poly Acoustic Fence technology. It's all the Poly next-level engineering you expect with the wear-it-all-day comfort you need.



\*Product image may differ from actual product

### Three levels of Advanced Digital Hybrid Active Noise Cancelling (ANC)

Adjust noise cancelling level for your personal preference with three options of Advanced Digital Hybrid Active Noise Cancelling (ANC) – high, low and off.

### Advanced multiple microphone noise cancelling with Acoustic Fence technology in a discreet boom

Callers hear you, not your surroundings, with advanced multiple-microphone noise cancelling in a discreet microphone boom and Acoustic Fence technology.

**Stereo sound for calls and media / music**  
Stay focused while on calls or listening to music / media with stereo sound.

Ultra-comfortable headband and plush ear cushions

Stay comfortable during a full day of calls wearing an ultra-comfortable headband with sling and plush ear cushions.

Smart sensors for intuitive and easy to use operations

Enjoy the simplicity of an easy-to-use headset with smart sensors for answering calls, pausing music and instantly muting calls.

Corded USB headset mode for audio over USB

Extend the battery life of your headset by using it corded, with audio over USB mode.

DATASHEET





# Poly VFOCUS2 USB-C Headset with charge stand

## Specifications



### Compatible with

Compatible operating systems: Windows 11; Windows 10; macOS

### Connectivity

Wireless range: Up to 50 m; Up to 91 m (with Voyager Office base)

Wireless range (Imperial): Up to 164 ft; Up to 300 ft (with Voyager Office base)

Paired devices: Up to 2

Bluetooth version: 5.1

Supported bluetooth profiles: A2DP; AVRCP; HFP; HSP

Connection type: Bluetooth® (smartphone); USB Type-C® (PC); Micro USB (PC)

Ear cushions: Artificial leather (surface material)

Headphone type: On-ear

### Battery

Battery life: Up to 25 hours (talk time, ANC and online indicator off); Up to 20 hours (talk time, ANC and online indicator on); Up to 18 hours (talk time, ANC off and online indicator on, default setting); Up to 16 hours (talk time, ANC on and online indicator on, default setting); Up to 40 hours (music time, ANC off); Up to 24 hours (music time, ANC on); Up to 30 days (standby time)<sup>4</sup>

Battery description: Rechargeable Li-ion

Battery capacity: 560 mAh

### User Interface Features

Button user controls: Power on/off; Call answer/end; Mute; Volume +/-; Pairing; ANC: off, low, high

### Audio

Audio features: Dynamic EQ optimized

Microphone type: 2 analog ECM; 2 digital MEMS

Microphone bandwidth: 100 Hz to 6.8 kHz

Speaker bandwidth: 20 Hz to 20 kHz

Speaker size: 32 mm

Charge time: <2 hours

### Certifications

Certified collaboration software: Microsoft Teams

Special features: Noise reduction on outgoing voice audio; Multi-connect; Adjustable headband; Adjustable Active Noise Cancellation (ANC); Two LED indicators on speaker in call status

### Feature Messaging Footnotes

<sup>1</sup> UC charging stand available on select models. Office base sold separately.

<sup>2</sup> Some solutions are sold separately.

### Technical Specifications Footnotes

<sup>1</sup> SoundGuard Digital Plantronics owns sophisticated algorithms including: Protects against Acoustic Shock by limiting sounds to below 118 dBA; 6616 anti-startle protection that limits the noise level to below 102 dB SPL and is therefore compliant to the Australian Communications Industry Forum (ACF) G616 recommendation; Average daily noise exposure measures and controls sound to prevent the average daily sounds exposure from exceeding 80 dBA or 85 dBA time-weighted average (TWA).

<sup>2</sup> Requires Poly Lens Desktop App to enable SoundGuard Digital features.

<sup>3</sup> Voyager Office Base is available as an accessory and is sold separately.

<sup>4</sup> Online indicator adjustments require a setting change via Poly Lens or Plantronics Hub.

### Environmental

Acoustic protection technology: SoundGuard Digital<sup>12</sup>

### Applications Supported

Management software: Poly Lens

### Weight and Dimensions

Product Primary Color: Black

Weight (Imperial): 0.39 lb

Weight (metric): 0.176 kg

Product dimensions (Imperial): 6.1 x 2.6 x 7.2 in

Product Dimensions (metric): 15.5 x 6.7 x 18.2 cm

Package dimensions (Imperial): 8.27 x 7.4 x 4.53 in

Package dimensions (metric): 21 x 19 x 11.5 cm

Package weight (Imperial): 1.57 lb

Package Weight (metric): 0.712 kg

Cable length (Imperial): 59.05 in

Cable length (metric): 1.5 m

UPC number: 017229171794

Product number: 77Y89AA

### Minimum system requirements

USB Type-C® port

### Warranty

Poly standard two-year limited warranty

### What is in the box

Micro USB charging cable

Quick start guide

Travel pouch

USB Type-C® adaptor

Charging stand

Wireless headset



## SOUND YOUR BEST WITH FOUR LINES

### BENEFITS

- Conversations stay on track. Hear every nuance with industry-leading sound quality featuring Poly HD Voice.
- Eliminate distracting background noise at the source with exclusive award-winning Poly Acoustic Fence technology.
- Easy deployment and administration with web-based management tools and zero-touch provisioning.
- Your phones stay cleaner for longer with integrated Microban® antimicrobial product protection.

### POLY VVX 250 BUSINESS IP PHONE

Extraordinary sound is standard on the anything-but-ordinary Poly VVX 250 multi-line phone. For call environments that demand reliability, the VVX 250 won't let you down. Easily get to all the phone features you use most. And let's hear it for Poly Acoustic Fence. It eliminates background noise to keep calls quiet wherever it's noisy—home offices, open offices or call centers. IT will appreciate robust provisioning and management capabilities that take the headache out of telephony deployment and support.

- Four line keys supporting up to 34 line key appearance with pagination.
- 2.8 inch color LCD display (320 x 240 pixels).
- Crystal clear sound with Poly HD Voice and Poly Acoustic Clarity.
- Full duplex speakerphone with world-class echo cancellation.
- Easy to install anywhere with optional Poly Wi-Fi USB accessory.
- Headset options to suit any style (USB, RJ9, EHS).
- Microban® antimicrobial product protection actively reduces the growth of bacteria 24/7.
- Reduce your carbon footprint with these ENERGY STAR® rated phones.

# POLY VVX 250 BUSINESS IP PHONE



## SPECIFICATIONS

### USER INTERFACE FEATURES

- 2.8" color LCD screen (320x240 pixel resolution)
- Voicemail support<sup>1</sup>
- WebKit-based browser
- Adjustable base height
- Unicode UTF-8 character support
- Single USB port (2.0 compliant) for media and storage applications
- Multilingual user interface including Chinese, Danish, Dutch, English (Canada/US/UK), French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovenian, Spanish and Swedish

### AUDIO FEATURES

- Poly HD Voice delivers lifelike voice quality for each audio path handset, the hands-free speakerphone, and the optional headset
- Poly Acoustic Clarity provides full-duplex conversations, acoustic echo cancellation and background noise suppression
- Poly Acoustic Fence technology removes background office noise heard by far end when using handset or wired headset
- Poly Computer Audio Connector app installed on your PC (Windows only) lets you to play computer audio through your VVX phone and use your phone as a microphone
- Type 1 compliant (IEEE 1329 full duplex)
- Frequency response—150 Hz—7 kHz for handset, optional headset and handsfree speakerphone modes
- Codecs: G.711 (A-law and  $\mu$ -law), G.729AB, G.722, iLBC, OPUS

- 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
- Packet loss concealment
- OPUS support

### HEADSET AND HANDSET COMPATIBILITY

- Dedicated RJ-9 headset port
- Hearing aid compatibility to ITU-T P.370 and TIA 504A standards
- Compliant with ADA Section 508 Subpart B 1194.23 (all)
- Hearing aid compatible (HAC) handset for magnetic coupling to hearing aids
- Compatible with commercially-available TTY adapter equipment

### CALL HANDLING FEATURES<sup>1</sup>

- 4 lines (programmable line keys)
- Up to 34 line key assignments for lines, contacts, and features supported with pagination
- Enhanced Feature Keys make powerful feature shortcuts on line key appearances or soft keys
- Shared call/bridged line appearance
- Busy lamp field (BLF)
- Flexible line appearance (1 or more line keys can be assigned for each line extension)
- Distinctive incoming call treatment/call waiting

- Call timer and call waiting
- Call transfer, hold, divert (forward), park, pickup
- Called, calling, connected party information
- Local 3-way audio conferencing 1-touch speed dial, redial
- Remote missed call notification
- Do not disturb function
- Reverse Number Lookup via LDAP
- Calling Party Identification (RFC8225 classifications—Trusted, Unknown, SPAM)
- Electronic hook switch capable
- Local configurable digit map/dial plan

### OPEN APPLICATION PLATFORM

- WebKit-enabled full browser that supports HTML5, CSS, SSL security, and JavaScript
- Supports Poly Apps SDK and API for third-party business and personal applications
- Bundled with Poly UC Software:
- Corporate directory access using LDAP
- Visual Conference Management

### NETWORK AND PROVISIONING

- SIP protocol support
- SDP
- IETF SIP (RFC 3261 and companion RFCs)
- Two-port gigabit Ethernet switch 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
- Static or dynamic host configuration protocol (DHCP) network setup
- Time and date synchronization using SNTP
- TFTP/HTTP/HTTPS server-based central provisioning for mass deployments
- Call server redundancy supported
- QoS Support—IEEE 802.1p/Q tagging
- (VLAN), Layer 3 TOS, and DHCP
- DHCP VLAN discovery,
- LLDP-MED for VLAN discovery
- Network address translation support for static configuration and “Keep-Alive”
- RTCP and RTP support
- Event logging
- Syslog
- Hardware diagnostics
- Status and statistics reporting
- IPv4, IPv6, dual stack (IPv4/IPv6) mode
- TCP
- UDP
- DNS-SRV

## SECURITY

- 802.1X authentication and EAPOL media encryption via SRTP
- Transport layer security (TLS)
- Encrypted configuration files
- Digest authentication
- Password login
- HTTPS secure provisioning
- Support for signed software executables

## POWER

- Built-in auto-sensing IEEE 802.3af Power over Ethernet (Class 2) 4.5 (Max)
- External universal AC/DC adapter (optional) 5VDC @ 3A (15W)
- ENERGY STAR® rated

## APPROVALS

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55032 Class B
- ISPR32 Class B
- VCCI Class B
- EN55024
- EN61000-3-2; EN61000-3-3
- NZ Telepermit
- Korea KCC
- UAE TRA
- Russia CU
- Brazil ANATEL
- Australia RCM
- South Africa ICASA
- Saudi Arabia CITC
- Indonesia SDPPI
- S.Korea KC
- Mexico NOM ANCE
- RoHS Compliant

## SAFETY

- UL 60950-1/62368-1
- CE Mark
- CAN/CSA C22.2 No 60950-1/62368-1-1
- EN 60950-1/62368-1
- IEC 60950-1/62368-1
- AS/NZS 60950-1

## OPERATING CONDITIONS

- Temperature: 0 to 40°C (+32 to 104°F)
- Relative humidity: 5% to 95%, noncondensing

## STORAGE TEMPERATURE

- -40 to +70°C (-40 to +160°F)

## POLY VVX 250 COMES WITH

- Console
- Desk stand/wall mount bracket
- Handset with handset cord
- Network (LAN) cable—CAT-5E
- Setup sheet

## BOX SIZE

- 23.5 cm x 23.3 cm x 5.6 cm WxHxD
- 9.25 in x 9.17 in x 2.2 in WxHxD

## PART NUMBER

- 2200-48820-025 VVX 250 PoE

## WEIGHT

- Carton weight: 0.890 kg (1.96 lbs)

## MASTER CARTON QUANTITY

- Ten (10)

## WARRANTY

- One (1) year

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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 Poly VVX 250 Business IP Phone visit [poly.com/us/en/products/phones](https://poly.com/us/en/products/phones)



## SOUND YOUR BEST WITH SIX LINES

### BENEFITS

- Conversations stay on track. Hear every nuance with industry-leading sound quality featuring Poly HD Voice.
- Eliminate distracting background noise at the source with exclusive award-winning Poly Acoustic Fence technology.
- Easy deployment and administration with web-based management tools and zero-touch provisioning.
- Your phones stay cleaner for longer with integrated Microban® antimicrobial product protection.

### POLY VVX 350 BUSINESS IP PHONE

Welcome to the big leagues with this high quality, color, six-line phone system that gets the job done—and then some. For high-volume call environments that demand reliability, the VVX 350 won't let you down. Plus, easily get to all the phone features you use most. And let's hear it for Poly Acoustic Fence. It eliminates background noise to keep calls quiet wherever it's noisy—home offices, open offices and call centers. IT will appreciate robust provisioning and management capabilities that take the headache out of telephony deployment and support.

- Six line keys supporting up to 34 line key appearance with pagination.
- 3.5 inch color LCD display (320 x 240 pixels).
- Crystal clear sound with Poly HD Voice and Poly Acoustic Clarity.
- Full duplex speakerphone with world-class echo cancellation.
- Easy to install anywhere with optional Poly Wi-Fi USB accessory.
- Headset options to suit any style (USB, RJ9, EHS ports).
- Microban® antimicrobial product protection actively reduces the growth of bacteria 24/7.
- Reduce your carbon footprint with these ENERGY STAR® rated phones.

# POLY VVX 350 BUSINESS IP PHONE



## SPECIFICATIONS

### USER INTERFACE FEATURES

- 3.5" color LCD (320x 240 pixel resolution)
- Voicemail support<sup>1</sup>
- WebKit-based browser
- Adjustable base height
- Unicode UTF-8 character support
- Two USB ports (2.0 compliant) for media and storage applications or USB connected headsets
- Multilingual user interface including Chinese, Danish, Dutch, English (Canada/ US/UK), French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovenian, Spanish, and Swedish

### AUDIO FEATURES

- Poly HD Voice technology delivers lifelike voice quality for each audio path handset, the hands-free speakerphone, and the optional headset
- Poly Acoustic Fence technology removes background office noise heard by far end when using handset or wired headset
- Poly Acoustic Clarity technology providing full-duplex conversations, acoustic echo cancellation and background noise suppression
  - Type 1 compliant (IEEE 1329 full duplex)
- Poly Computer Audio Connector app installed on your PC (Windows only) lets you to play computer audio through your VVX phone and use your phone as a microphone
- Frequency response—150 Hz—7 kHz for handset, optional headset and handsfree speakerphone modes
- Codecs: G.711 (A-law and  $\mu$ -law), G.729AB, G.722, G.722.1, iLBC, OPUS
- 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
- Packet loss concealment

### HEADSET AND HANDSET COMPATIBILITY

- Dedicated RJ-9 headset port
- Hearing aid compatibility to ITU-T P.370 and TIA 504A standards
- Compliant with ADA Section 508 Subpart B 1194.23 (all)
- Hearing aid compatible (HAC) handset for magnetic coupling to hearing aids
- Compatible with commercially-available TTY adapter equipment

### CALL HANDLING FEATURES<sup>1</sup>

- 6 lines (programmable line keys)
- Up to 34 line key assignments for lines, contacts, and features supported with pagination
- Enhanced Feature Keys make powerful feature shortcuts on line key appearances or soft keys
- Shared call/bridged line appearance
- Busy Lamp Field (BLF)
- Flexible line appearance (1 or more line keys can be assigned for each line extension)
- Distinctive incoming call treatment/call waiting
- Call timer and call waiting
- Call transfer, hold, divert (forward), park, pickup
- Called, calling, connected party information
- Local 3-way audio conferencing
- 1-touch speed dial, redial
- Remote missed call notification
- Do not disturb function
- Reverse Number Lookup via LDAP
- Calling Party Identification (RFC8225 classifications—Trusted, Unknown, SPAM)

- Electronic hook switch capable
- Local configurable digit map/dial plan

### OPEN APPLICATION PLATFORM

- WebKit-enabled full browser that supports HTML5, CSS, SSL security, and JavaScript
- Supports Polycom Apps SDK and API for third-party business and personal applications
- Bundled with Polycom UC Software:
  - Corporate directory access using LDAP
- Visual Conference Management

### NETWORK AND PROVISIONING

- SIP Protocol Support
- SDP
- IETF SIP (RFC 3261 and companion RFCs)
- Two-port gigabit Ethernet switch 10/100/1000Base-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
- Time and date synchronization using SNTP
- FTP/FTPS/TFTP/HTTP/HTTPS server based central provisioning for mass deployments
- Provisioning and call server redundancy supported<sup>1</sup>
- QoS Support—IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS, and DHCP
- VLAN—CDP, DHCP VLAN discovery, LLDP-MED for VLAN discovery
- Network Address Translation (NAT)—support for static configuration and "Keep-Alive" SIP signaling
- RTCP and RTP support
- Event logging
- Syslog

- Hardware diagnostics
- Status and statistics reporting
- IPv4, IPv6, dual stack (IPv4/IPv6) mode
- TCP
- UDP
- DNS-SRV

#### SECURITY

- 802.1X Authentication and EAPOL Media encryption via SRTP
- Transport Layer Security (TLS)
- Encrypted configuration files
- Digest authentication
- Password login
- Support for URL syntax with password for boot server address
- HTTPS secure provisioning
- Support for signed software executables

#### POWER

- Built-in auto sensing IEEE 802.3af Power over Ethernet (Class 0) 13 W (Max)
- External Universal AC/DC Adapter (optional) 5VDC @ 3A (15W)
- ENERGY STAR® rated

#### APPROVALS

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55032 Class B
- CISPR32 Class B

- VCCI Class B
- EN55024
- EN61000-3-2; EN61000-3-3
- NZ Telepermit
- UAE TRA
- Russia CU
- Brazil ANATEL
- Australia RCM
- South Africa ICASA
- Saudi Arabia CITC
- Indonesia SDPPI
- S.Korea KC
- Mexico NOM ANCE
- RoHS Compliant
- TAA

#### SAFETY

- UL 60950-1/62368-1
- CE Mark
- CAN/CSA C22.2 No 60950-1/62368-1-1
- EN 60950-1/62368-1
- IEC 60950-1/62368-1
- AS/NZS 60950-1

#### OPERATING CONDITIONS

- Temperature: 0 to 40°C (+32 to 104° F)
- Relative humidity: 5% to 95%, noncondensing

#### STORAGE TEMPERATURE

- -40 to +70° C (-40 to +160° F)

#### POLY VVX 350 COMES WITH

- Console
- Handset with handset cord
- Network (LAN) cable—CAT-5E
- Desk Stand
- Setup Sheet

#### SIZE

- 23.3 cm x 26.2 cm x 6.2 cm WxHxD
- 9.2 in x 10.3 in x 2.5 in WxHxD

#### PART NUMBER

- 2200-48830-025 VVX 350 WW PoE

#### WEIGHT

- Carton weight: 1.04 kg (2.28 lbs)

#### MASTER CARTON QUANTITY

- Ten (10)

#### WARRANTY

- One (1) year

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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 Poly VVX 350 IP Phone, visit [poly.com/phones](https://poly.com/phones).



## GO PRO WITH TWELVE LINES

### BENEFITS

- Conversations stay on track. Hear every nuance with industry-leading sound quality featuring Poly HD Voice.
- Eliminate distracting background noise at the source with exclusive award-winning Poly Acoustic Fence technology.
- Easy deployment and administration with web-based management tools and zero-touch provisioning.
- Your phones stay cleaner for longer with integrated Microban® antimicrobial product protection.

### POLY VVX 450 BUSINESS IP PHONE

More lines make you more productive. Feel in command of your day with this high quality, color, twelve-line phone system that gets the job done. Be confident that your conversations will always sound great—and the VVX 450 puts more contacts at your fingertips. And let's hear it for Poly Acoustic Fence. It eliminates background noise to keep calls quiet wherever it's noisy. IT will appreciate robust provisioning and management capabilities that take the headache out of telephony deployment and support. Need even more lines? The optional VVX EM50 expansion module stacks them right where you need them.

- Twelve line keys supporting up to 34 line key appearance with pagination.
- 4.3 inch color LCD display (480 x 272 pixels).
- Crystal clear sound with Poly HD Voice and Poly Acoustic Clarity.
- Full duplex speakerphone with world-class echo cancellation.
- Easy to install anywhere with optional Poly Wi-Fi USB accessory.
- Headset options to suit any style (USB, RJ9, EHS ports).
- Microban® antimicrobial product protection actively reduces the growth of bacteria 24/7.
- Reduce your carbon footprint with these ENERGY STAR® rated phones.



# POLY VVX 450 BUSINESS IP PHONE



## SPECIFICATIONS

### USER INTERFACE FEATURES

- 4.3" color LCD (480x272 pixel resolution)
- Voicemail support<sup>1</sup>
- WebKit-based browser
- Adjustable base height
- Unicode UTF-8 character support
- Two USB ports (2.0 compliant) for media and storage applications
- Multilingual user interface including Chinese, Danish, Dutch, English (Canada/ US/UK), French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovenian, Spanish, and Swedish

### AUDIO FEATURES

- Poly HD Voice™ technology delivers lifelike voice quality for each audio path handset, the hands-free speakerphone, and the optional headset
- Poly Acoustic Fence technology removes background office noise heard by far end when using handset or wired headset
- Poly Acoustic Clarity™ technology providing full-duplex conversations, acoustic echo cancellation and background noise suppression
- Poly Computer Audio Connector app installed on your PC (Windows only) lets you to play computer audio through your VVX phone and use your phone as a microphone
- TIA-920 Wideband Audio
  - Type 1 compliant (IEEE 1329 full duplex)
- Frequency response—150 Hz—7 kHz for handset, optional headset and hands-free speakerphone modes
- Codecs: G.711 (A-law and  $\mu$ -law), G.729AB, G.722 (HD Voice), G.722.1 iLBC, OPUS
- Individual volume settings with visual feedback for each audio path

- Voice activity detection
- Comfort noise generation
- DTMF tone generation (RFC 2833 and inband)
- Low-delay audio packet transmission
- Adaptive jitter buffers
- Packet loss concealment
- OPUS support

### HEADSET AND HANDSET COMPATIBILITY

- Dedicated RJ-9 headset port
- Hearing aid compatibility to ITU-T P.370 and TIA 504A standards
- Compliant with ADA Section 508 Subpart B 1194.23 (all)
- Hearing aid compatible (HAC) handset for magnetic coupling to hearing aids
- Compatible with commercially-available TTY adapter equipment

### CALL HANDLING FEATURES<sup>1</sup>

- 12 lines (programmable line keys)
- Up to 34 line key assignments for lines, contacts, and features supported with pagination
- Enhanced Feature Keys make powerful feature shortcuts on line key appearances or soft keys
- Shared call/bridged line appearance
- Busy Lamp Field (BLF)
- Flexible line appearance (one or more line keys can be assigned for each line extension)
- Distinctive incoming call treatment/call waiting
- Call timer and call waiting
- Call transfer, hold, divert (forward), park, pickup
- Called, calling, connected party information
- Local three-way audio conferencing
- One-touch speed dial, redial
  - Remote missed call notification

- Do not disturb function
- Reverse Number Lookup via LDAP
- Calling Party Identification (RFC8225 classifications—Trusted, Unknown, SPAM)
- Electronic hook switch capable
- Local configurable digit map/dial plan
- Open application platform
- WebKit-enabled full browser that supports HTML5, CSS, SSL security, and JavaScript
- Supports Polycom Apps SDK and API for third-party business and personal applications
- Bundled with Polycom UC Software:
  - Corporate Directory Access using LDAP
- Visual Conference Management

### NETWORK AND PROVISIONING

- SIP Protocol Support
- SDP
- IETF SIP (RFC 3261 and companion RFCs)
- Two-port gigabit Ethernet switch 10/100/1000Base-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
- Time and date synchronization using SNTP
- FTP/TFTP/HTTP/HTTPS server-based central provisioning for mass deployments
- Provisioning and call server redundancy supported<sup>1</sup>
- QoS Support—IEEE 802.1p/Q tagging
- (VLAN), Layer 3 TOS, and DHCP

- VLAN—CDP, DHCP VLAN discovery, LLDP-MED for VLAN discovery
- Network address translation support for static configuration and “keep-alive”
- SIP signaling
- RTCP and RTP support
- Event logging
- Syslog
- Hardware diagnostics
- Status and statistics reporting
- IPv4, IPv6, dual stack (IPv4/IPv6) mode
- TCP
- UDP
- DNS-SRV

### SECURITY

- 802.1X Authentication and EAPOL Media encryption via SRTP
- Transport Layer Security (TLS)
- Encrypted configuration files
- Digest authentication
- Password login
- Support for URL syntax with password for boot server address
- HTTPS secure provisioning
- Support for signed software executables

### POWER

- Built-in auto sensing IEEE 802.3af Power over Ethernet (Class 0) 13W (Max)
- External Universal AC/DC Adapter (optional) 5VDC @ 3A (15W)
- ENERGY STAR® rated

### APPROVALS

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55032 Class B
- CISPR32 Class B
- VCCI Class B
- EN55024
- EN61000-3-2; EN61000-3-3
- NZ Telepermit
- UAE TRA
- Russia CU
- Brazil ANATEL
- Australia RCM
- South Africa ICASA
- Saudi Arabia CITC
- Indonesia SDPPI
- S.Korea KC
- Mexico NOM ANCE
- RoHS Compliant
- TAA

### SAFETY

- UL 60950-1/62368-1
- CE Mark
- CAN/CSA C22.2 No 60950-1/62368-1-1
- EN 60950-1/62368-1
- IEC 60950-1/62368-1
- AS/NZS 60950-1

### OPERATING CONDITIONS

- Temperature: 0 to 40°C (+32 to 104° F)
- Relative humidity: 5% to 95%, noncondensing

### STORAGE TEMPERATURE

- -40 to +70° C (-40 to +160° F)

### POLY® VVX® 450 COMES WITH

- Console
- Handset with handset cord
- Network (LAN) cable—CAT-5E
- Desk Stand
- Setup Sheet

### SIZE

- 24 cm x 23 cm x 5.7 cm WxHxD
- 9.5 in x 10 in x 2.2 in WxHxD

### PART NUMBER

- 2200-48840-025 VVX 450 WW PoE

### WEIGHT

- Carton weight: 1.043 kg (2.23 lbs)

### MASTER CARTON QUANTITY

- Ten (10)

### WARRANTY

- One (1) year

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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 Poly VVX 450 IP Phone, visit [poly.com/phones](https://poly.com/phones).