



# Poly Edge E400 IP

## Desk Phone

It's time for a desk phone with more contacts that makes hybrid work easy. The Poly Edge E400 Series brings two displays and 14-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.



Optional Poly Edge E expansion module supported.



Text-to-speech and new accessibility options.



A second integrated 6-key display supporting 18 speed dials, contacts.



Integrated Bluetooth® 5.0 for mobile phone or headset pairing (E450).

### 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.
- Add your choice of devices with USB port for headsets, expansion module, or charging devices.
- Cut out distracting background noise at the source with Poly NoiseBlockAI and Poly Acoustic Fence technologies.

## Poly Edge E400 Series

	Poly Edge E400	Poly Edge E450
<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 / 18 supported	6 displayed / 18 supported
<b>Total Lines/Contacts</b>	50 (32 + 18)	50 (32 + 18)
<b>Pairing Bluetooth® Headset and Mobile Phones</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 50-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 and headset connectivity
- Integrated Bluetooth 5.0 (Edge E450 model only)

- Surround Lighting for the status indicator (RGB with color mixing)
- 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 speaker phone 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 E450 model only)

## 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 (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 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

- Corporate directory access using LDAP

- 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>
- Visual Conference Management
- 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)

## 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

## 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 (2.5W) - power supply unit (PSU) sold separately<sup>4</sup>
- ENERGY STAR® 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 with Microban® Antimicrobial protection
- 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

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

For more information, please contact a sales representative. Visit [ringcentral.com](http://ringcentral.com) or call 855-774-2510.



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