



## 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

## POLY EDGE E450

IDEAL FOR	Enterprise professionals working from the office or home office who rely heavily on contact keys
LINE KEYS	8 on main display, 6 on second display
MAIN DISPLAY LINES, CONTACTS	8 displayed / 32 supported
SECOND DISPLAY CONTACTS	6 displayed / 12 supported
TOTAL LINES/CONTACTS	44 (32 + 12)
PAIRING BLUETOOTH® HEADSET AND MOBILE PHONE	Yes
WI-FI	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

- 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.722 (HD Voice).
- 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 (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
- Do not disturb function
- Electronic hook switch capable
- Local configurable digit map/dial plan

#### OPEN APPLICATION PLATFORM

- 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
- 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
- Hot desking/ Hoteling
- 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 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 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 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 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 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

- 2200-87030-025  
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)