CALL WITH CONFIDENCE

BENEFITS

- Instantly add other workplace colleagues to your call with 5-way local audio conferencing

- Accommodate a wider workforce with support for additional languages

- More headset options with both RJ9 and 3.5 mm headset ports

- More productive calls with a hands-free speakerphone with proven acoustic echo cancellation and background noise suppression technology

- Easy installation on desk or wall with 2-position desk stand and included wall mount hardware

POLY EDGE B SERIES

Stylish design meets Poly pro-grade audio at a shockingly affordable price: That's what makes the Poly Edge B-Series IP Phones the genius choice for any growing business. Easy to use with illuminated keys where you need them most. Audio-enhancement technologies like Poly HD Voice and Acoustic Fence technology give you business-grade audio quality with no background noise. Service providers will love plug-and-play provisioning and cloud management capabilities. And these desk phones are hardcore reliable—exactly what you need to keep customers happy. It's pure value in a low-cost business phone.

- 2 line keys; 8 lines supported (Poly Edge B10/B20)
- 4 line keys; 16 lines supported (Poly Edge B30)
- Poly HD Voice
- Poly Acoustic Fence technology cuts out background noise
- Lightbar status indicator
- Illuminated mute, headset, speaker buttons

POLY EDGE B SERIES

AT A GLANCE

POLY EDGE B10
- 2 line keys
- 8 line key assignments supported with pagination
- Fast Ethernet
- PSU Only (in-box)

POLY EDGE B20
- 2 line keys
- 8 line key assignments supported with pagination
- Fast Ethernet
- PoE

POLY EDGE B30
- 4 line keys
- 16 line key assignments supported with pagination
- Gigabit Ethernet
- PoE

SPECIFICATIONS

LINE KEYS (POLY EDGE B10, POLY EDGE B20)
- 2 line keys with LED
- 2 lines displayed; 8 line key assignments supported with pagination

LINE KEYS (POLY EDGE B30)
- 4 line keys with LED
- 4 lines displayed; 16 line key assignments supported with pagination

USER INTERFACE FEATURES
- 2.8" monochrome LCD screen
- Voicemail support
- Adjustable desk stand (2 positions)
- Wall mount hardware included
- Unicode UTF-8 character support
- Multilingual user interface including Arabic[1] , Chinese, Czech, Danish, Dutch, English (Canada/US/UK), French, German, Hebrew[1], Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovenian, Spanish, Swedish, Turkish

FEATURE KEYS
- 4 context-sensitive "soft" keys
- 4-way navigation key cluster with center "Select" key
- Pagination key for additional lines/contacts

- Volume + / - control keys
- Home and Back feature keys
- Hold and Transfer keys
- Headset select key (illuminated when selected)
- Speakerphone select key (illuminated when selected)
- Mute key (illuminated when muted)

AUDIO FEATURES
- Poly HD Voice delivers life-like voice quality for each audio path—handset, handsfree speakerphone, and optional headset
- Frequency response: 150 Hz—7 kHz for handset, handsfree speakerphone, and optional headset
- Full-duplex handsfree speakerphone with acoustic echo cancellation and background noise suppression. Type 1 compliant (IEEE 1329)
- Codecs: G.711 (A-law and μ-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

HEADSET AND HANDSET COMPATIBILITY
- Dedicated 3.5 mm headset port
- Dedicated RJ-9 headset port
- Electronic Hook Switch (EHS) supported with optional APD-80 adapter
- 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

TELEPHONY AND CALL HANDLING FEATURES[2]
- 2 physical line keys; 8 configurable lines with pagination (Poly EDGE B10 and B20)
- 4 physical line keys; 16 configurable lines with pagination (Poly EDGE B30)
- Shared call/bridged line appearance
- Busy lamp field (BLF)
- Distinctive incoming call treatment/call waiting
- Call timer and call waiting
- Call transfer, hold, pickup, call resume

- Called, calling, connected party information
- Local five-way audio conferencing
- One-touch speed dial, redial
- Missed Call Notifications
- Do Not Disturb (DND) function
- Intercom
- Enhanced Call Park
- Caller ID enable/disable
- Call forward on busy, on no answer, unconditional
- Message Waiting Indicator (MWI)
- Call progress tone generation
- Daylight Savings Time support—worldwide
- Distinctive ringtones
- Electronic hook switch capable
- Page Groups (10)
- Anonymous Call Indication
- Block Anonymous Call
- Speed Dialing (99 entries, E.164 or URI)
- Call Logs (200)
- Dialing from Call Logs
- Speed Dialing (99 entries, E.164 or URI)
- Call Logs (200)
- Dialing from Call Logs
- Call Return
- Repeat Dialing
- Background Firmware Updates (TR-69 support)
- Advanced noise cancellation

OPEN APPLICATION PLATFORM

- XML application support
- Corporate directory access using LDAP

NETWORK AND PROVISIONING

- Two-port Ethernet switch 10/100 Base-TX across LAN and PC ports (Poly Edge B10 and B20)
- Two-port gigabit Ethernet switch 10/100/1000 Base-TX across LAN and PC ports (Poly Edge B30)
- SIP protocol support

- SDP
- IETF SIP (RFC 3261 and companion RFCs)
- 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
- Hardware diagnostics
- Status and statistics reporting
- IPv4
- TCP
- UDP
- DNS-SRV
- Administrator Password Protected Factory Reset
- Zero-Touch Provisioning
- PDMS-SP Cloud Management / Troubleshooting
- Poly LENS Cloud Management / Troubleshooting
- Syslog Event Logging

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) on Poly Edge B20 and B30
- External AC/DC adapter 5VDC @ 3A (15W) included with Poly Edge B10
- External AC/DC adapter 5VDC @ 3A (15W) is optional with Poly Edge B20 and B30
- ENERGY STAR® rated

APPROVALS[3]

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55032 Class B
- CISPR32 Class B
- VCCI Class B
- CE and UKCA Mark
- 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
- Mexico NOM ANCE
- China RoHS 2
- RoHS Compliant
- ENERGY STAR

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 EDGE B10 COMES WITH

- Console
- Handset with handset cord
- Network (LAN) cable
- Desk Stand/Wall Mount Hardware
- Setup sheet with QR code to documentation and video
- Safety information sheet
- Power Supply Unit (PSU)

POLY EDGE B10 UNIT BOX DIMENSIONS (L X W X D) / WEIGHT

- Box dimension : 176 x 163 x 44 (mm) ; 10.63 x 9.92 x 2.52 (inches)
- Box weight: 0.96 kg ; 2.12 lbs (with product, accessories, and documents)

POLY EDGE B20 COMES WITH

- Console
- Handset with handset cord
- Network (LAN) cable
- Desk Stand/Wall Mount Hardware
- Setup sheet with QR code to documentation and video
- Safety information sheet

POLY EDGE B20 UNIT BOX DIMENSIONS (L X W X D) / WEIGHT

- Box dimension : 176 x 163 x 44 (mm) ; 10.63 x 9.92 x 2.52 (inches)
- Box weight: 0.90 kg ; 1.98 lbs (with product, accessories, and documents)

POLY EDGE B30 COMES WITH

- Console
- Handset with handset cord
- Network (LAN) cable
- Desk Stand/Wall Mount Hardware
- Setup sheet with QR code to documentation and video
- Safety information sheet

POLY EDGE B30 UNIT BOX DIMENSIONS (L X W X D) / WEIGHT

- Box dimension : 176 x 163 x 44 (mm) ; 10.63 x 9.92 x 2.52 (inches)
- Box weight: 0.91 kg ; 2.01 lbs (with product, accessories, and documents)

MASTER CARTON QUANTITY

- 10

COUNTRY OF ORIGIN

- China

PART NUMBERS

- 2200-49800-001: POLY EDGE B10 IP PHONE,PSU,NA/JA
- 2200-49800-012: POLY EDGE B10 IP PHONE, PSU,ANZ/NZ
- 2200-49800-022: POLY EDGE B10 IP PHONE,PSU,CN
- 2200-49800-101: POLY EDGE B10 IP PHONE,PSU,EU
- 2200-49800-102: POLY EDGE B10 IP PHONE,PSU,UK
- 2200-49805-025: POLY EDGE B20 IP PHONE,POE
- 2200-49825-025: POLY EDGE B30 IP PHONE,POE

WARRANTY

- 1-year limited warranty

---

[1] Planned localization

[2] Most software-enabled features and capabilities must be supported by the cloud platform or server. Please contact your IP PBX/Softswitch vendor or service provider for a list of supported features.

[3] Planned approvals