



Poly Edge E100 IP Phone and PoE-enabled (82M86AA)



Overview

A phone with high standards

Easy to use and packed with features, the Poly Edge E100 IP desk phone keeps you sounding professional and productive. Bring style to any desktop or reception area with our cutting-edge design and stay on track with Poly noise reduction technology.

Always-on reliability

The Poly Edge E100 IP desk phone is always-on, easy to use, secure, reliable, and stable. With everyday features at your fingertips, they're everything you want in an entry level or common area phone.

Enterprise-quality sound

Our most versatile phones today, the Poly E100 offer quality audio with Poly HD voice. They reduce noise and distractions with Poly NoiseBlockAI and Acoustic Fence technologies.

Integrated protection

Rest assured that your devices, enhanced with Microban® antimicrobial product protection, stay cleaner, fresher, and more durable for longer. Protection that lasts the life of the product, actively reducing the growth of bacteria 24/7 [1].

Features

All the features you could ask for

Get fast access to features via the main 2.8" color display with a light bar status indicator and soft keys under the display. 2-line keys support up to 8 lines and contacts. A new pagination key brings additional lines/contacts into view.

Versatile connectivity

Enjoy better connectivity with two high-speed GigE PoE Ethernet ports for the LAN connection to your IP phone with a passthrough connection to your PC. And pick a Poly headset for your workstyle: USB, RJ9, or Electronic Hook Switch.^[2]

Accessibility is key

Enhance the user experience with phones that sound great and are more efficient. Features like improved accessibility with text-to-speech, screen color adjustments for color blindness, and bigger font settings provide more ways to connect.

[1] Microban antimicrobial product protection available for the Poly Edge E Series phones protects the entire phone except for the handset cord. Microban antimicrobial product protection is a built-in active ingredient that enables products to resist the growth of microbes such as bacteria, mold, and mildew. Microban protection helps products stay cleaner, fresher, and last longer than products with untreated surfaces.

[2] Poly headsets sold separately. Poly Electronic Hook Switch (EHS) sold separately.

Additional specifications

Aspect ratio	9:16
Audio	Poly HD Voice; 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; 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
Audio codecs	G.711 (A-law and μ -law); G.722; G.729AB; iLBC; OPUS; G.722.1
Certifications and compliances	AS/NZS 60950.1; AS/NZS 62368.1; Australia RCM; Brazil ANATEL; CAN/CSA C22.2 No. 62368-1-14; CE Mark; CISPR22 Class B; EN 60950-1 & EN 62368-1; EN55024; EN55032 Class B; EN61000-3-2, EN61000-3-3; FCC Part 15 (CFR 47) Class B; ICES-003 Class B; IEC 60950-1 & IEC 62368-1; ROHS compliant; So. Korea KC; So. Africa ICASA; Saudi Arabia CITC; UAE TRA; UL 62368-1; Eurasian Customs Union EAC; Indonesia SDPPI; Mexico NOM ANCE; UK - UKCA
Color	Black
Country of origin	Made in China
Display features	Lightbar status indicator (RGB with color mixing)
Display size (diagonal)	7.1 cm (2.8")
Display size (diagonal)	2.8"
Energy star certified	ENERGY STAR® certified
Headset and handset compatibility	Compatible with commercially available TTY adapter equipment; Compliant with ADA Section 508 Subpart B 1194.23 (all); Hearing aid compatibility to ITU-TP.370 and TIA 504A standards; Hearing aid compatible (HAC) handset for magnetic coupling to hearing aids; USB Type-C® headset support
Headset ports	1 RJ-9; 1 Electronic Hook Switch (EHS) port for optional APP-51 adapter
Management Software	Poly Zero Touch Provisioning; Poly Lens; Polycom Device Management Service for Service Providers (PDMS-SP) Cloud Management; SDP
Manufacturer Warranty	Poly standard one-year limited warranty
Native resolution	320 x 240

Network protocols, supported

DHCP VLAN discovery; LLDP-MED for VLAN discovery; FTP/TFTP/HTTP/HTTPS server-based central provisioning; Hardware diagnostics; Manual or dynamic host configuration protocol (DHCP) network setup; Network address translation support for static configuration and Keep-Alive; QoS Support — IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS, and DHCP; Status and statistics reporting; Syslog Event Logging; Conforms to IEEE802.3-2005 (Clause 40) for physical media attachment; Conforms to IEEE802.3-2002 (Clause 28) for link partner auto-negotiation; Time and date synchronization using SNTP; RTCP and RTP support; IPv4; IPv6; Provisioning and call server redundancy support; DNS-SRV; UDP; SIP protocol support; IETF SIP (RFC 3261 and companion RFCs)

Operating humidity range 5 to 95%

Operating temperature range 0 to 40°C

Operating temperature range 32 to 104°F

Package dimensions (W x D x H) 22.3 x 25.5 x 8.3 cm

Package dimensions (W x D x H) 8.8 x 10 x 3.5 in

Package weight 880 g

Package weight 1.95 lb

Panel technology Color IPS LCD

Ports 1 USB 2.0 Type-C® (for media and storage applications); 2 RJ-45 (10/100/1000BASE-TX Mbps)

Power 13 W (maximum); Built-in auto-sensing IEEE 802.3af Power over Ethernet (Class 3)^[2]

Security management 802.1X Authentication and EAPOL Media encryption via SRTP; Digest authentication; Encrypted configuration files; HTTPS secure provisioning; Password login; Support for signed software executables; Support for URL syntax with password; Transport Layer Security (TLS); SRTP media encryption using AES 256 bits

Special features Unicode UTF-8 character support; Adjustable desk stand (2 positions); Wall mountable

Storage temperature range -40 to 160°F

Storage temperature range -40 to 70°C

Telephony and call handling features

4 context-sensitive soft keys; 4 way navigation key cluster with center Select key; Bundled with Polycom UC Software: Corporate Directory Access using LDAP; Busy Lamp Field (BLF); Call timer and call waiting; Call transfer, hold, divert (forward), park, pickup; Called, calling, connected party information; Calling Party Identification (RFC8225 classifications — Trusted, Unknown, SPAM); Distinctive incoming call treatment/call waiting; Do not disturb function; Electronic hook switch capable; Enhanced Feature Keys make powerful feature shortcuts online key appearances or soft keys; Headset select key (illuminated when selected); Hold and transfer keys; Home and back feature keys; Local three-way audio conferencing; Local configurable digit map/dial plan; Mute key (illuminated when muted); One-touch speed dial, redial; Pagination key for additional lines/contacts; Remote missed call notification; Reverse number lookup via LDAP; Shared call/bridged line appearance; Speakerphone select key (illuminated when selected); Supports Polycom Apps SDK and API for third- party business and personal application; Visual Conference Management; Voicemail key; Volume +/- control keys; Flexible line appearance (one or more line keys can be assigned for each line extension); 2 programmable line keys supporting up to 8 line key assignments for lines, contacts, and features with pagination^[1]

UNSPSC code

43191511

VoIP features

2 line keys supporting up to 8 SIP lines with pagination

What's in the box

Setup sheet; Network (LAN) cable-CAT-5E; Desk stand; Console with Microban® Antimicrobial protection; Handset with Microban® Antimicrobial protection; Handset cord; Wall mount hardware

[1] Most software-enabled features must be supported by the service provider platform. Please contact your IP PBX/softswitch vendor or service provider for a list of supported features.

[2] External universal AC/DC adapter, 5 VDC, 3 A, 15 W (sold separately).

Services

Poly Services

★ : Recommended

Poly Support Services

3 Year Poly+ Edge E100 IP Phone Service	P86980312 ★
1 Year Partner Poly+ Edge E100 IP Phone Service	P86980160
1 Year Poly Elite Edge E100 IP Phone Service	E86980112
1 Year Poly+ Edge E100 IP Phone Service	P86980112
3 Year Partner Poly+ Edge E100 IP Phone Service	P86980362
5 Year HWR Extended Coverage Edge E100 IP Phone Next Business Day Poly DaaS Service	D86980COV
5 Year Hardware Replacement Edge E100 IP Phone Next Business Day Poly DaaS Service	D86980DS5

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