Poly Edge E500 IP Phone and PoE-enabled with Power Supply

Designed for the new way you work

This desk phone makes work easy. Built for hot-desking or the home office, these phones offer the perfect user experience. Two displays and 12-line keys give you more ways to connect, plus quality audio, in a seriously sharp package.

*Product image may differ from actual product

Built to grow	**Integrated protection**	**Enterprise-quality sound**
This workhorse phone is outfitted with a big 5-inch color display and is designed to handle up to 48 lines. What's more, the Poly Edge E500 Series can take on two additional expansion modules, supporting up to 66 more contacts each.	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].	The Poly E400 Series offer quality audio with Poly HD voice and bass frequency enhancing speaker design. They reduce noise and distractions with Poly NoiseBlockAI and Acoustic Fence technologies.

Datasheet

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Specifications

Display
Aspect ratio: 9:16
Native resolution: 800 x 480
Panel technology: Color IPS LCD
Display size (diagonal): 5"
Display size (diagonal, metric): 12.7 cm (5")

Connectivity and communications
External I/O ports:
1 USB 2.0 Type-C® (for media, storage applications, headset, expansion module)
2 RJ-45 (10/100/1000BASE-TX Mbps)
Wireless technologies:
NFC[3]

Battery
Power features:
13 W (maximum)
Built-in auto-sensing IEEE 802.3af Power over Ethernet (Class 4)[2, 4]

User interface features
Languages:
Arabic; Chinese; Czech; Danish; Dutch; English; French; German; Hungarian; Italian; Japanese; Korean; Norwegian; Polish; Portuguese; Romanian; Russian; Slovenian; Spanish; Swedish

Audio
Audio features:
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 NoiseBlock AI 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
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
Frequency response (microphone): 150 Hz to 14 kHz
Audio codecs:
G.711 (A-law and μ-law)
G.722
G.729AB
iLBC
OPUS
G.722.1

Environmental
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; EN55024; EN55032 Class B; EN 60950-1 & EN 62368-1; EN61000-3-2, EN61000-3-3; FCC Part 15 (CFR 47) Class B; IEC 60950-1 & IEC 62368-1; ICES-003 Class B; NZ Telepermit; ROHS compliant; Saudi Arabia CITC; So. Africa ICASA; So. Korea KC; UAE TRA; UL 62368-1; VCCI Class B; Eurasian Customs Union EAC; Indonesia SDPPI; Mexico NOM ANCE; TAA; UK - UKCA
Operating humidity range: 5 to 95%
Operating Temperature Range (Celsius) / Operating Temperature Range (Fahrenheit): 0 to 40°C / 32 to 104°F
Storage temperature range (Celsius) / Storage temperature range (Fahrenheit): -40 to 70°C / -40 to 160°F
Energy star certified: ENERGY STAR® certified

Certifications
Special features:
Unicode UTF-8 character support
Adjustable desk stand (2 positions)[5]

Applications supported
Management software:
Poly Zero Touch Provisioning
Poly Lens
Polycom Device Management Service for Service Providers (PDMS-SP) Cloud Management
SDP

Display features
Lightbar status indicator (RGB with color mixing)

Security
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

Network
Supported network protocols:
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)
VoIP features:
12 line keys supporting up to 34 SIP lines with pagination

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Specifications

Headset and handset compatibility

Headset ports:

1 RJ-9

1 Electronic Hook Switch (EHS) port for optional APP-51 adapter

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

Telephony and call handling features

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)

12 line keys supporting up to 48 line key assignments for lines, contacts, and features with pagination[1]

Weight and dimensions

Product Primary Color: Black

Package dimensions (imperial): 10 x 13.3 x 3.5 in

Package dimensions (metric): 25.6 x 33.8 x 8.9 cm

Package weight (imperial): 2.4 lb

Package Weight (metric): 1080 g

UPC number: 196188444474

Product number: 89B56AA

Country of origin

Country of origin: Made in China

Warranty

Poly standard one-year limited warranty

What is in the box

Setup sheet

Network (LAN) cable-CAT-5E

Desk stand

Console with Microban® Antimicrobial protection

Handset with Microban® Antimicrobial protection

Handset cord