

Poly Edge E450 IP Phone and PoE-enabled

Discontinued

82M90AA

NI

Specifications

All Specs

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aspect ratio                      | 4:3 (primary); 3:4 (secondary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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; 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 |
| Audio codecs                      | G.711 (A-law and μ-law); G.722; G.729AB; iLBC; OPUS; G.722.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Cartons per layer                 | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cartons per pallet                | 48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Certifications and compliances    | AS/NZS 4268; Australia RCM; Brazil ANATEL; CISPR22 Class B; EEA; EN55024; EN55032 Class B; EN 301 489-1; EN 301 489-3; EN 301 489-17; ETSI EN 300 328 v1.9.1; ETSI EN 301 893 v1.7.1; FCC Part 15 (CFR 47) Class B; FCC Part 15.247; FCC Part 15.407; ICES-003 Class B; Israel MOC; Japan MIC/VCCI; Japan Item (19)-3; Japan Item (19)-3-2; Malaysia SIRIM; NZ Telepermit; Saudi Arabia CITC; Singapore IMDA; So. Africa ICASA; So. Korea KC; UAE TRA; Argentina ENACOM; Canada ICES; Canada-RSS 247 Issue2; China SRRC; China RoHS 2.0; Eurasian Customs Union EAC; India WPC; Indonesia SDPPI; Mexico IFETEL and NYCE; Taiwan NCC; UK - UKCA; USA FCC                                                                                                                                                                                                                                               |
| Color                             | White; Midnight blue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Country of origin                 | Made in China                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Display features                  | Lightbar status indicator (RGB with color mixing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Display size (diagonal)           | 8.9 cm (3.5") (primary); 6.1 cm (2.4") (secondary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ECCN                              | 5A992                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HTS code                          | 8517180020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Layers per pallet                 | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Management Software               | Poly Zero Touch Provisioning; Poly Lens; Polycom Device Management Service for Service Providers (PDMS-SP) Cloud Management; SDP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Manufacturer product number       | 2200-87030-025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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| Manufacturer Warranty          | Poly standard one-year limited warranty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Material Type for item         | FERT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Multiple order quantity        | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Native resolution              | 320 x 240 (primary); 240 x 320 (secondary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Package dimensions (W x D x H) | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Package weight                 | 300 g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Pallet dimensions (W x D x H)  | 101.6 x 121.9 x 149 cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Pallet weight                  | 357 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Panel technology               | Color IPS LCD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Ports                          | 1 USB 2.0 Type-C® (for media, storage applications, headset, expansion module); 2 RJ-45 (10/100/1000BASE-TX Mbps)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Power                          | 13 W (maximum); Built-in auto-sensing IEEE 802.3af Power over Ethernet (Class 4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Products per pallet            | 240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Products per pallet layer      | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Registration required          | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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); Wi-Fi encryption: WEP, WPA-Personal, WPA2-Personal, WPA2-Enterprise with 802.1X (EAP-TLS, PEAP-MSCHAPv2); SRTP media encryption using AES 256 bits                                                                                                                                                                                                                                                                                                                                     |
| Special features               | Unicode UTF-8 character support; Adjustable desk stand (2 positions); Second display with 6 keys supporting up to 12 contacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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); 14 line keys (arranged 8+6 on two displays) supporting up to 44 line key assignments for lines, contacts, and features with pagination

UNSPSC code

43191511

VoIP features

8 line keys supporting up to 32 SIP lines with pagination

What's in the box

Setup sheet; Console; Network (LAN) cable-CAT-5E; Desk stand; Handset cord; Handset

Wireless technologies

Bluetooth® 5.0; Wi-Fi network connectivity: 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); NFC

Logistics

ECCN

5A992

HTS code

8517180020

What's in the box

Setup sheet; Console; Network (LAN) cable-CAT-5E; Desk stand; Handset cord; Handset

Package dimensions (W x D x H)

1

Pallet dimensions (W x D x H)

101.6 x 121.9 x 149 cm

Country of origin

Made in China

Cartons per layer

8

Cartons per pallet

48

Multiple order quantity

5

Layers per pallet

6

Products per pallet

240

Products per pallet layer

40

Manufacturer product number

2200-87030-025

Material Type for item

FERT

UNSPSC code

43191511

Package weight

300 g

Pallet weight

357 kg

Sustainability

Certifications and compliances

AS/NZS 4268; Australia RCM; Brazil ANATEL; CISPR22 Class B; EEA; EN55024; EN55032 Class B; EN 301 489-1; EN 301 489-3; EN 301 489-17; ETSI EN 300 328 v1.9.1; ETSI EN 301 893 v1.7.1; FCC Part 15 (CFR 47) Class B; FCC Part 15.247; FCC Part 15.407; ICES-003 Class B; Israel MOC; Japan MIC/VCCI; Japan Item (19)-3; Japan Item (19)-3-2; Malaysia SIRIM; NZ Telepermit; Saudi Arabia CITC; Singapore IMDA; So. Africa ICASA; So. Korea KC; UAE TRA; Argentina ENACOM; Canada ICES; Canada-RSS 247 Issue2; China SRRC; China RoHS 2.0; Eurasian Customs Union EAC; India WPC; Indonesia SDPPI; Mexico IFETEL and NYCE; Taiwan NCC; UK - UKCA; USA FCC

Country of origin

Made in China

Energy star certified

ENERGY STAR® certified

Specifications

[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). Power supply unit (PSU) sold separately.

[3] 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.

[4] Ordering an optional power supply unit will be necessary if not powered over ethernet with PoE (i.e. using Wi-Fi for network).

[5] Optional wall mount kit can be ordered separately.

Legal disclaimer