

# Poly CCX 505 Business Media Phone with Open SIP and PoE-enabled

## Simply intuitive

By design, the Poly CCX 500 Series business media phones are simple and intuitive to use – with one-touch-access to your contacts and meetings. So, users can get right to work.



\*Product image may differ from actual product

### Audio expertise you can trust

With Poly CCX 500 Series business phones you can feel confident you sound professional on every call. And with Poly signature audio, Poly HD Voice and Acoustic Clarity technologies, you know you will hear and be heard on your calls.

### Always ready for the next call

The CCX 500 Series supercharges collaboration with its easy to use, touchscreen interface and ergonomic design. The simple touch-access to contacts, meetings and voicemails keeps your user's day moving, boosting productivity.

#### Audio clarity

Conversations stay clear with Poly HD Voice and Poly Acoustic Clarity technologies.

#### Distraction-free calls

Reduce distracting background noise with Poly Acoustic Fence technology.

#### Integrated WiFi

Easy to install in home offices or hard-to-cable office locations with integrated WiFi.

#### Touchscreen controls

Contacts and meetings are easily accessible via the color touchscreen with 5" multi-touch LCD display.

Datasheet

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## Specifications



### Compatible with

**Compatible operating systems:** Android 9

### Display

**Aspect ratio:** 16:9  
**Native resolution:** 720 x 1280  
**Panel technology:** Color LCD  
**Display size (diagonal, metric):** 12.7 cm (5")  
**Touch-enabled:** Gesture-based, multi-touch capable touchscreen

### Connectivity and communications

**External I/O ports:**  
 1 USB 2.0 Type-A (for media, storage applications, headset, expansion module)  
 1 USB 2.0 Type-C<sup>®</sup> (for media, storage applications, headset, expansion module)  
 2 RJ-45 (10/100/1000 Mbps)  
**Wireless technologies:**  
 Bluetooth<sup>®</sup> 4.2  
 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)

### Battery

**Power features:**  
 Built-in auto sensing IEEE 802.3af Power over Ethernet (Class 0)  
 13 W (maximum)<sup>3</sup>

### 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 headset or wired headset  
 Poly NoiseBlockAI technology removes most background noise when using the speakerphone  
 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):** 100 Hz to 20 kHz  
**Audio codecs:**  
 G.711 (A-law and  $\mu$ -law)  
 G.722  
 G.729AB  
 iLBC  
 OPUS

### Environmental

**Certifications and compliances:** Argentina ENACOM; Australia RCM; Brazil ANATEL; Canada ICES and NRTL; China SRRC; China RoHS 2.0; EEA CE Mark; Eurasian Customs Union EAC; India WPC; Indonesia SDPP; 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; USA FCC and NRTL; UL 62368-1; CAN/CSA C22.2 No. 62368-14; EN 62368-1; IEC 60950-1; IEC 62368-1; AS/NZS 62368-1; 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; USA-FCC Part 15.247 & FCC Part 15.407; Canada-RSS 247 Issue2; EU-ETSI EN 300 328 & ETSI EN 301 893; Japan-Article 21 Item 19-2 and 19-3; Australia-AS/NZ4268  
**Operating humidity range:** 5 to 95%  
**Operating Temperature Range (Celsius) / Operating Temperature Range (Fahrenheit):** 0 to 40°C /  
**Storage temperature range (Celsius) / Storage temperature range (Fahrenheit):** -40 to 70°C /  
**Energy star certified:** ENERGY STAR<sup>®</sup> certified

### Certifications

**Certified collaboration software:** Zoom<sup>4</sup>  
**Special features:**  
 Adjustable desk stand (2 positions)<sup>5</sup>

### Applications supported

**Management software:**  
 Poly Lens  
 Poly Zero Touch Provisioning  
 Polycom Device Management Service for Service Providers (PDMS-SP) Cloud Management  
 Web UI to device IP address

### Display features

On-screen virtual keyboard; Adjustable font size selection (regular, medium, large); Screensaver; Voicemail support; Normal and dark mode; Digital picture frame

### 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)

### Network

**Supported network protocols:**  
 10/100/1000 Base-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  
 Manual or dynamic host configuration protocol (DHCP) network setup  
**VoIP features:**  
 24 lines (SIP registrations)

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## Specifications



### Headset and handset compatibility

#### Headset ports:

- 1RJ-9
- 1Electronic Hook Switch (EHS) port for optional adapter

#### Headset and handset compatibility:

- Bluetooth® headset 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-A headset support
- Dedicated RJ-9 headset port

### Telephony and call handling features

#### Telephony and call handling features:

- Busy Lamp Field (BLF)
- Call timer and call waiting
- Caller ID enable/disable
- Distinctive incoming call treatment/call waiting
- Do not disturb function
- One-touch speed dial, redial
- Shared call/bridged line appearance
- Automatic off-hook call placement (hot dialing)
- Call media recording/playback
- Automatic/remote answer on headset using electronic hook-switch
- Call hold/resume, diversion (forward), transfer (consultation, blind), pickup
- Calling, called, connected party identification
- Call forward for shared lines
- Private hold for shared lines
- Call logs (missed, received, placed)
- Local contact directory
- Create local contact from call log
- Corporate directory
- Call server redundancy (failover)
- SBC line registration
- Conference bridging
- Local call forwarding (all, busy, no answer) with destination shown on idle display
- Automatic call distribution (ACD)
- Automatic answer (intercom)
- Call park/retrieve
- Directed call pickup
- Group call pickup
- Hunt group - sequential calling
- Last call return
- Auto-answer a page with a muted microphone
- PTT and Multicast group
- Exchange Calendar Integration
- Flexible line keys
- Key system emulation
- STIR/SHAKEN Caller ID validation
- Voice Quality Monitoring (VQMon)<sup>1,2</sup>

### Weight and dimensions

- Product Primary Color: Black
- Package dimensions (metric): 26.3 x 24.3 x 7 cm
- Package Weight (metric): 1250 g
- Product number: 82Z82AA

### Country of origin

Country of origin: Made in China

### Warranty

Poly standard one-year limited warranty

### What is in the box

- Console
- Desk stand
- Handset with handset cord
- Network (LAN) cable-CAT-5E

### Key Selling Points Footnotes

<sup>1</sup> Poly headsets sold separately. <sup>2</sup> Visit <https://www.poly.com/us/en/products/phones/ccx/ccx-500> for more detail.

### Technical Specifications Footnotes

<sup>1</sup> Wi-Fi operation requires phone to be powered by optional power adapter when not powered by PoE. <sup>2</sup> Most software-enabled features must be supported by the service provider platform. Please contact your IP PBX/switch vendor or service provider for a list of supported features. <sup>3</sup> External universal AC/DC adapter, 48 VDC, 0.52 A, 25 W (sold separately). <sup>4</sup> Additional service provider platforms are supported. <sup>5</sup> Optional wall mount kit can be ordered separately.