Curo IP UC500

Cordless Wi-Fi IP Phone

CURO IP

Call, Message, Meet and Collaborate from ANYWHERE

Curo IP Phone UC500

Cordless Wi-Fi IP Phone

UC500 is an enterprise video phone that runs on Android 11 operating system, with smoother operation experience.

8” 1280x800 multi-point touch IPS screen and HD voice brings you realistic visual-audio experience. Its built-in 8 mega-pixel camera enables convenient and fast video conference.

In terms of team collaboration, UC500 supports HDMI port for an external display; the three multi-function USB ports, as well as built-in Bluetooth and dual band Wi-Fi (2.4G/5G), can adapt to more flexible office scenes and easily improve productivity.

The T-Flash can greatly expand the storage space of the IP Phone. This phone has faster response speed and richer expansion functions.

Through UC500, you can conduct remote collaboration better than ever.

Key Features & Benefits

Up-to-date performance, efficient remote maintenance

Equipped with Quad-Core Cortex-A55 CPU, Mali-G52-2EE GPU, 2GB RAM, and 16GB eMMC flash memory, based on the mostly widely deployed Android 11 OS, UC500 has smoother operation experience, supports numerous multi-media smart APPs on Google Play. Open Curo software development kit (SDK) gives users highly customised “audio/video smart phone platform + APP” experience. Supports advanced tools like Curo Device Management System (HDMS) to remotely complete automatic deployment, firmware update and device management.

8-inch HD Touch Screen, intelligent cooperation experience

The UC500 adopts an 8-inch high-definition touch screen, an 8 mega-pixel built-in HD camera, supports 1080p HD video calls and up to ten-way audio/video mixed conference (at most 4-way video). Furthermore, the one piece foot stand’s angle can be adjusted freely, supports wall mounting, fulfilling different customer needs, suitable for various usage scenarios.

Effective noise removal, undisturbed conversation

Supports several audio Codecs like Opus etc.; sampling rate of Opus cover all the way from 8 kHz (narrowband), 16 kHz (wideband), 32 kHz (ultra-wideband) to 48 kHz (all-band). It applies advanced acoustic shield technology, which improves AEC, shows excellent double-talk performance, and restores clear and clean voice.

Rich and practical functions, flexible connection modes

UC500 carries over traditional SIP phone functions – it has many built-in native applications and is compatible with SIP platforms and devices globally. It supports SRTP/TLS and ZRTP media stream encryption, 802.1x media access control, MD5 and MD5-sess based authentication request, AES security profile and other well established security guarantee mechanisms. Besides dual-port Gigabit ethernet ports and PoE, it has smoother wireless connection with built-in dual-band Wi-Fi (2.4G/5G) and Bluetooth; it has USB type-A 2.0, USB type-A 3.0 and USB type-C 2.0 interfaces, supports HDMI fast screen projection, and the Micro SD card slot expands the phone memory. In addition, UC500 also supports UC400 expansion modules and EHS30 wireless headset.

SKD | Android | HD 1080 | 2.4G/5G | Bluetooth | HDMI | Acoustic Shield | USB | Camera | Quad-Core

Model Specification

Phone Features
- 16 SIP accounts
- Call hold, mute, DND
- One-touch speed dial, hotline
- Call forward, call waiting, call transfer
- Redial, call return, auto answer, direct IP call
- Four-way video conferencing
- Ten-way audio & video mixed conferencing (up to 4-way video conferencing)
- SMS, emergency call
- Ring tone selection/provisioning
- Set date time automatically or manually
- Dial plan for each account
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- Action URL/URI
- Wireless Access Point (AP mode)
- Onscreen keyboard
- USB ports (2.0 compliant) for media storage applications
- Notification Centre and Control Centre
- Third party Android application support **(these are missing from the original and have been added. Are they required? - Please confirm)**

Video Features
- Support 1080p HD Video
- Video codec: H.265, H.264 High Profile, H.264, VP8
- Built-in 8 mega-pixel camera

Audio Features
- HD voice: HD handset, HD speaker, HD codec
- Acoustic Shield
- Smart noise suppression for far end
- Audio codec: Opus, G.722, G.711 (A/μ), G.729AB, G.726-32, iLBC, G.723.1
- DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO
- Full-duplex hands-free speakerphone with AEC ·VAD, CNG, AEC, PLC, AJB, AGC, ANS

Directory
- Local phonebook up to 10000 entries
- Blacklist
- XML/LDAP remote phonebook
- Smart dialling
- Phonebook search/import/export
- Call history: dialled/received missed/ forwarded

IP-PBX Feature
- Busy Lamp Field (BLF)
- Bridged Line Appearance (BLA)
- Anonymous call, anonymous call rejection
- Voice mail
- Intercom, paging
- Call park, call pickup
- Music on hold
- Hot-desking
- Call recording

Interface
- Dual-port Gigabit Ethernet
- Power over Ethernet (IEEE 802.3af), class 3
- IEEE 802.3az Green Energy Efficient Ethernet
- 1 x USB Type-A port (3.0 compliant)
- 1 x USB Type-C port (2.0 compliant)
- 1 x RJ9 (4P4C) handset port
- 1 x RJ9 (4P4C) headset port
- 1 x HDMI port
- 1 x Micro SD card slot
- 1 x Security lock port

Feature keys
- 36 one-touch DSS keys
- 8 feature keys Mute, Message, Headset, Video, Hold, Redial, Transfer and Speakerphone
- Volume control

Physical Feature
- Built-in stand with multiple adjustable angles
- Wall mountable
- External universal AC adapter: AC 100~240V input and DC 12V/2A output
- Power consumption (PSU): 3.5W-9W
- Power consumption (PoE): 4-10W
- Operating humidity: 10~90%
- Operating temperature: 0~40°C
- Storage temperature: -10~60°C

Management
- Configuration: browser/LCD-Menu/ auto-provision
- Auto provision via HTTP/HTTPS/ FTP/TFTP
- Auto-provision with PnP, Zero Touch, TR-069
- Reset to factory, reboot
- Local tracing log export, system log
- Phone lock for personal privacy protection
- Support install/uninstall apps via auto provision

Wi-Fi/Bluetooth
- Built-in dual band Wi-Fi:

-Network Standard: IEEE802.11a/b/g/n/ac
-Transmission Rate: Up to 433 Mbps (dynamic)
-Frequency Range: 2.4GHz/5GHz

- Built-in Bluetooth 4.2:

-Bluetooth headset
-Bluetooth call

Network and Security
- SIP v1 (RFC2543), v2 (RFC3261)
- Call server redundancy supported
- SIP server/proxy redundancy
- NAT Traversal: STUN mode
- IP assignment: static/DHCP
- HTTP/HTTPS web server
- Time and date synchronization using SNTP
- DNS-NAPTR/DNS-SRV (RFC 3263)
- QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP
- Transport Layer Security (TLS1.3), SRTP, ZRTP
- HTTPS certificate manager
- AES encryption for configuration file
- Digest authentication using MD5/ MD5-sess
- IEEE802.1X/OpenVPN
- IPv4/IPv6, LLDP/CDP/DHCP

Package Features
- Package content:

*- Phone Device*1pcs*
*- Footstand*1pcs*
*- Handset*1pcs*
*- Handset Cord*1pcs*
*- Ethernet Cable*1pcs*
- Quick Reference Manual
- Power Adapter (Optional)

- Qty/CTN:5pcs ·N.W/CTN: 7.00kg
- G.W/CTN: 7.80kg
- Phone box Size: 295mm(L)*265mm(W)*120 mm(H)
- Carton Meas: 635mm(L)* 305mm(W)* 2

CURO IP

Call, Message, Meet and Collaborate from ANYWHERE

Curo IP is a brand of Rydal Communications Limited, Elwes House, 19 Church Walk, Peterborough, PE1 2TP