

CIP280

An Android Powered Smart IP Video Phone
for Enterprise Users with Built-in HD Camera



ClearlyIP CIP280 phones are designed to work with your favorite SIP based PBX or softswitch and can be easily provisioned free of charge using the the Clearly Devices module for FreePBX® based systems.

The CIP280 is an Android powered smart IP phone with a five-inch touch IPS screen, built-in camera. It has an HDMI port for external display, two multi-function USB ports, built-in Bluetooth, and dual-band Wi-Fi (2.4G/5G). It supports up to ten-way audio/video mixed conferencing, and its high-resolution IPS screen and HD Voice provide a lifelike visual and audio experience.

Highlights

- » Up to 16 SIP Accounts
- » 8 Feature Keys
- » 36 One-touch DSS Keys
- » Built-in Wifi & Bluetooth
- » 5" 1280x720 Touch IPS LCD
- » Android 11 Operating System
- » Built-in 8 Mega Pixel Camera
- » Micro SD card slot
- » 2 USB ports (Supports Panic Button and headset)

Zero Touch Provisioning

Zero Touch Provisioning allows for quick and easy configuration of phones by directing them to the desired configuration server, without the need for physical setup or leaving your desk.



CIP280 FEATURES

- » **Easy to Use Phone Apps**
Using our ClearlyIP Device Manager, Clients with FreePBX® 14 and above based systems can replace complicated phone commands with the click of a button.
- » **Built-in OpenVPN Client**
With built in OpenVPN support, you can connect your phone to your PBX securely over an encrypted connection.
- » **Built-in 8 Mega Pixel Camera**
The built-in 8 mega-pixel camera enables convenient and fast video conference.
- » **Full Color 5 Inch Touch IPS LCD Display**
CIP280 phones come with a large 5 inch 1280x720 full-color multi-touch IPS screen for sharp text and graphics.
- » **Dual Gigabit Ethernet with PoE**
CIP280 phones allow for high-speed gigabit pass-through for computer connectivity. Industry standard Power over Ethernet (PoE), delivers energy to the phone so a power cable is not required.
- » **3 Way Video Conferencing**
Sometimes your conference line may be in use. ClearlyIP phones allow up to 3 direct connections.
- » **USB Support**
CIP280 phones are equipped with a two USB ports, allowing you to connect a USB Panic Button and headset.
- » **Wi-Fi & Bluetooth Support**
Eliminate the requirement of cabling by setting up an entire office using WiFi. Supported Bluetooth also allows users to connect bluetooth headsets for a true wire-free experience.

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 Center and Control Center
- » Third party Android application support

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
- » Black list
- » XML/LDAP remote phonebook
- » Smart dialing
- » Phonebook search/import/export
- » Call history: dialed/received/missed/forwarded

IP-PBX FEATURES

- » Busy Lamp Field (BLF)
- » Bridged Line Appearance (BLA)
- » Call park/pickup
- » Music on hold
- » Voicemail
- » Anonymous call/rejection
- » Message waiting indicator
- » Intercom, paging
- » Follow Me
- » Conference rooms
- » Time conditions
- » Queues
- » Presence
- » Queue agents
- » Hot-desking
- » Call Flow
- » Contacts
- » DND (Do Not Disturb)

FEATURE KEYS

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

DIMENSIONS/PACKING

- » 45° Angle: 230mm (W) x 152mm (D) x 190mm (H)
- » 55° Angle: 230mm (W) x 180mm (D) x 170mm (H)
- » Qty/CTN: 5 Pcs, N.W/CTN: 7.00 kg, G.W/CTN: 7.80 kg
- » Phone Box: 295mm(L)* 265mm(W)*120 mm(H)
- » Carton Size: 635mm(L)* 305mm(W)* 285mm(H)

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

PHYSICAL FEATURES

- » 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

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

VOICE CODECS FEATURES

- » HD voice, HD handset, HD speaker
- » Codecs: iLBC, G.722, G.711(A/μ), Opus, G.723, G.729AB, G.726-32
- » DTMF: In-band, RFC 2833, SIP INFO
- » Full-duplex hands-free speakerphone
- » Built-in Bluetooth v4.2

OPTIONAL ACCESSORIES

- » EHS Headset Adapter
- » External Universal AC Adapter (US, UK, EU): AC 100~240V Input

LANGUAGES:

- » Built-in: English, French, German, Spanish, Portuguese, Russian, Italian, Polish, Turkish, Serbian, Chinese Simplified, Chinese Traditional, Slovenian, Farsi, Slovak and Czech

CERTIFICATIONS

- » CE, FCC, RoHS, BroadSoft, NetSapiens

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