

CIP291 Plus

A Smart IP Phone for Enterprise Users with a Wireless Handset



ClearlyIP CIP291 Plus phones are designed to work with your favorite SIP-based PBX or softswitch and can be easily provisioned free of charge using the Clearly Devices module for FreePBX® based systems.

The CIP291 Plus is an enterprise video phone running the Android 11 operating system. It features a wireless Bluetooth handset, an eight-inch IPS touch screen, and a dual-band Wi-Fi (2.4G/5G) module. It supports up to ten-way audio/video mixed conferencing. The high-resolution IPS screen and HD Voice bring you a realistic audio/visual experience.

Highlights

- » Wireless Bluetooth Handset
- » Up to 16 SIP Accounts
- » Built-in 8 Mega-pixel Camera
- » Built-in Wifi & Bluetooth
- » 8" 1280x800 Touch IPS LCD
- » Ten-way Audio/Video Mixed Conferencing (Up to 4-way Video Calls)
- » 3 USB Ports (For Panic Button and headset)

Zero Touch Provisioning

With Zero Touch Provisioning our servers will direct the phone to the configuration server of your choice. Just send the client or employee an unprovisioned phone, and you don't have to leave your desk.



CIP291 PLUS 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.
- » **Third-Party Application Support**
Supports third-party Android tablet applications, enabling users to customize and enhance the phone's functionality.
- » **Full Color 8 Inch Multi-Point Touch IPS Display**
CIP291 Plus phones come with a large 8 inch 1280x800 pixel full color IPS multi-touch screen for sharp text graphics.
- » **Dual Gigabit Ethernet with PoE**
CIP291 Plus 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.
- » **4 Way Video Conferencing**
Sometimes your conference line may be in use. ClearlyIP phones allow up to 4 direct connections.
- » **USB Support**
CIP291 Plus phones are equipped with three multi-function USB ports, allowing you to connect a USB Panic Button, headset, and media storage drive.
- » **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
- » Notification Center and Control Center
- » USB ports 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.729A/B, 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

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 (Up to 276 using CIP200 Expansion Modules)
- » 4 feature keys: Headset, Mute, Speakerphone, and Volume Control
- » 1 dedicated touch key for Teams

DIMENSIONS/PACKING

- » Qty/CTN: 5 Pcs, N.W/CTN:7.50kg, G.W/CTN:8.30kg
- » Phone Box: 315mm (L) x 285mm (W) x 120mm (H)
- » Carton Size: 635mm (L) x 325mm(W) x 305mm(H)

CERTIFICATIONS

- » CE, FCC, RoHS

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-A port (2.0 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 (need wallmount)
- » External universal AC adapter: AC 100~240V input - DC 12V/2A output
- » Power consumption (PSU): 3.5W-9W
- » Power consumption (PoE): 4-10W
- » Operating humidity: 10~90%
- » Operating temperature: 0~40°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
- » Setup Assistant Wizard

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 5.0:
- » 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

SUPPORT BLUETOOTH HANDSET

- » Bluetooth 5.3
- » Feature keys: Handset, Mute, Volume control keys, Speakerphone
- » Status indicator LED
- » HD speaker, HD codec
- » 10% packet loss resistance
- » Handset/speakerphone mode
- » Handset finding when not at cradle
- » Low battery indication
- » Battery Capacity: 720 mAh
- » Up to 30 hours of talk time/Up to 300 hours of standby time
- » Works within 10 meters from phone
- » Place/Answer/Hang up/Redial/Reject/Mute a call
- » Volume control / Voice indicator
- » Firmware upgrade

OPTIONAL ACCESSORIES

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

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