CIP230v2

An Entry-level Phone with Features Typically Found in Advanced IP Phones



ClearlyIP CIP230v2 phones are designed to work with your favorite SIP based PBX or softswitch and can be easily provisioned free of charge using the ClearlyIP Cloud Device Manager software or the Clearly Devices module for FreePBX® based systems.

The CIP230v2 is our most economical phone, supporting features generally not found on an entry-level phone. The CIP230v2 supports 4 SIP accounts, 4 line keys,12 programmable keys, and a color LCD screen. The CIP230v2 also has Power over Ethernet (PoE), eliminating the need for power cables.

Highlights

- 4 line keys with LED
- Up to 4 SIP Accounts
- 8 Feature Keys
- 12 Programmable Keys
- 2.8” 320x240 Pixel Color LCD
- 1 USB Port

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.

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CIP230v2 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**
  Our system allows you to tunnel your IP sub-network or virtual ethernet connection, creating secure ethernet bridges to protect your data.
- **Power Over Ethernet (PoE)**
  Industry standard PoE, delivers the energy to run the phone so no power cable or outlets are required.
- **Full Color LCD Displays**
  All ClearlyIP Phones come with large full-color displays creating sharp easy to read text and graphics.
- **Dual Gigabit Ethernet with PoE**
  Not every area has a separate drop for both a phone and computer. All of ClearlyIP’s phones allow for high-speed gigabit passthrough for computer connectivity.
- **5 Way Conferencing**
  Sometimes your conference line may be in use. ClearlyIP phones allow up to 5 direct connections, meaning that you can have your conversations when you need them.
- **USB Support**
  The CIP230v2 phone is equipped with a USB port, allowing you to connect a USB Panic Button or a CIP USB Bluetooth/WiFi dongle.

PHONE FEATURES

- 4 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
- 5-way conferencing
- Group listening, SMS, emergency call
- Ring tone selection/provisioning
- Set date time automatically or manually
- Dial plan per account
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- Action URL/URI
- 10 Multicast Listen Groups
- Initiate Multicast from Phone to any Multicast Address
- HAC Support

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
- Bluetooth support using the CIP USB WiFi/Bluetooth Dongle

DIRECTORY

- Local phonebook up to 1000 entries
- XML/LDAP remote phonebook
- Intelligent search method
- Phonebook search/import/export
- Call history: all/dialed/received/missed/forwarded/answered elsewhere

IP-PBX FEATURES

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

FEATURE KEYS

- 4 line keys with LED
- 4 line keys with four pages for up to 12 digital DSS keys
- 6 feature keys: voicemail, headset, mute, speaker, transfer, redial
- 4 context-sensitive “soft” keys
- 5 navigation keys, volume control keys

INTERFACE

- Dual-port Gigabit Ethernet
- Power over Ethernat (IEEE 802.3af). class 2
- 1xRJ9 (4P4C) handset port
- 1xRJ9 (4P4C) headset port

CERTIFICATIONS

- CE, FCC, RoHS

DISPLAY AND INDICATOR

- 320x240 pixel color display with backlight
- LED for Call and Message Waiting Indication
- Dual-color (red or green) Illuminated
- Wallpaper
- National Language Selection
- Intuitive User Interface with Icons and Soft Keys
- Caller ID with name and number

PHYSICAL FEATURES

- Built-in USB port
- Stand with one angle at 40°
- Wall mountable
- External universal AC adapter: Sold Separately
- AC 100~240V input and DC 5V/1.2A output
- Power consumption (PSU): 1.8~4.4W
- Power consumption (PoE): 2.3~5.3W
- Operating humidity: 10~95%
- Operating temperature: -10~50°C

DIMENSIONS/PACKING

- 40° Angle: 167mm (W) x 184mm (D) x 152mm (H)
- 90° Angle: 102mm (W) x 115mm (D) x 195mm (H)
- Qty/CTN: 15 Pcs, N.W/CTN: 8.8 kg, G.W/CTN: 11.3 kg
- Phone Box: 167mm (W) x 30mm (D) x 184mm (H)
- Carton Size: 584mm (W) x 480mm (D) x 220mm (H)

MANAGEMENT

- Configuration: browser/LCD-Menu/auto-provisioning
- Auto provision via HTTP/HTTPS/FTP/TFTP
- Auto-provision with PnP
- Support SNMP & TR-069
- Reset to factory, restart, reboot
- Local tracing log export, system log
- Phone lock for personal privacy protection

NETWORK AND SECURITY

- SIP v1 (RFC2543), v2 (RFC3261)
- SIP server/proxy redundancy
- NAT Traversal: STUN mode
- DHCP/static/PPPoE/IEEE802.1X/open VPN
- HTTP/HTTPS web server
- Time and date synchronization by SNTP
- DNS-NAPTR/DNS-SRV (RFC 3263)
- QoS: 802.1p/Q tagging (VLAN),
- Layer 3 ToS DSCP
- TLS(Transport Layer Security), SRTP, ZRTP
- HTTPS certificate manager
- AES encryption for configuration file
- Digest authentication using MD5/MD5-sess
- IPv6 supported
- WiFi support using the CIP USB WiFi/Bluetooth Dongle

LANGUAGES

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

OPTIONAL ACCESSORIES

- External Universal AC Adapter (US, UK, EU): AC 100~240V Input
- CIP USB WiFi/Bluetooth Dongle (Bluetooth 4.2 + Dual Band WiFi)

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