

OpenVox IP PHONE



Overview

OpenVox C200 IP Phone is an entry-level desktop IP phone, OpenVox C401 IP Phone is a high-end enterprise desktop IP phone with 2.8 inch LCD screen. This two IP Phones are well-designed and have a cost-effective price.

C200 and C401 can be mounted on desk or on the wall. Basic call features like Call Hold, Call Park, Call Transfer, etc., and advanced features like Voicemail, Call Logs, Phonebook, Busy Lamp Field, Do Not Disturb, etc., for users to communicate in a simple and flexible way.

C200 and C401 have other features as below, HD Voice microphone/speaker, PoE, QoS, safety transmission, auto-provisioning and so on.

Performance and Features

OpenVox IP Phones are occupied with HD handset and hand-free; codec G.722 is available; optional power supply: PoE or Power adaptor.

Features

Generic

- HD Voice microphone/speaker (handset /hands-ree,0~7KHz frequency response)
- Handset(HS) / Hands-free(HF) / Headphone

(HP) mode (EHS support for Plantronics headsets)

- POE
- Desktop/Wall-mount installation

Call Features

- Call out/answer/reject
- Mute/Unmute
- Call hold/resume
- Call Waiting
- Intercom
- Caller ID Display
- Call Forwarding (Always/Busy/No Answer)
- Blind / Attended Call Transfer
- Call Parking / Pick-up
- Redial/ Auto-Redial
- DND(per line / per phone)
- Auto-Answering (per line / per phone)
- 3-way Conference
- Hot Line

Phone Features

- Phonebook (500entries)
- Cloud Phonebook
- Call log (in/out/missed)
- Blacklist、Whitelist
- Message Waiting Indication (VMWI)
- Programmable Soft keys
- Network Time Synchronization
- Action URL / Active URI

Audio

- Codec: G.711a/u, G.723.1, G.722, G.726-32, G.729AB
- Full-duplex Acoustic Echo Canceller (AEC)
- Voice Activity Detection (VAD)
- Comfort Noise Genration (CNG)
- Background Noise Estimation (BNE) Noise Reduction (NR)

- Packet loss concealment (PLC)
- Dynamic Adaptive Jitter Buffer up to 300ms
- DTMF: In-band, Out-of-band —DTMF -Relay(RFC2833) / SIP INFO

Networking

- Network Access Control:802.1x
- IP Configuration: Static/ DHCP/ PPPoE
- VPN: L2TP/OpenVPN
- VLAN
- QoS

Protocols

- | | |
|---------------------------|----------------------------|
| ● SIP2.0 over UDP/TCP/TLS | ● L2TP (Basic Unencrypted) |
| ● RTP/RTCP/SRTP | ● OpenVPN |
| ● STUN | ● SNTP |
| ● DHCP | ● FTP/TFTP |
| ● PPPoE | ● HTTP/HTTPS |
| ● 802.1x | ● TR069 |

RFCs

- 354/1321/1350/1769/1889/1890/2131/2132/2616/2617/2661/2833/2976/3261/3262/3263/3264/3265/3268/3311/3489/3711/4346/4566/5630/586

Deployment & Maintenance

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR069
- Web Management Portal
- Web-based Packet-dump
- Configuration Import/Export
- Phonebook Import/Export
- Firmware Upgrade
- syslog

Product Specification

	C200	C401
SIP Line	2 lines	4 lines
Installation	Desktop/Wall-mount	
Screen	128 x 48 dot-matrix with backlight	2.8 inch LCD color-screen
Key Pad	31 keys, including: 12 Standard Phone Digits keys; 4 Soft-keys; 4 Navigation keys + 1 OK key; 1 Hands-free key; 2 Volume Control keys, Up/Down; 6 Function keys	39 keys, including: 12 Standard Phone Digits keys; 4 Soft-keys; 4 Navigation keys + 1 OK key; 1 Hands-free key; 2 Volume Control keys, Up/Down; 6 Function keys; 8 DSS key with tri-color LED;
Protocols	SIP 2.0 over UDP/TCP/TLS, RTP/RTCP/SRTP, STUN, DHCP, PPPoE, 802.1x, L2TP (Basic Unencrypted), OpenVPN, SNTP, FTP/TFTP, HTTP/HTTPS, TR069	
Codec	G.711a/u, G.723.1, G.722, G726-32, G.729AB	
Network Interface	1 * 10/100 M (802.3af Class 1 POE) PC*1 (Bridge to ethernet)	1* 10/100/1000M (802.3af Class 2 POE)
IP Service	Static IP, DHCP, VPN, PPPoE, Bridge	
DTMF	In-band, Out-of-band- DTMF (RFC2833) / SIP INFO	
Power Supply	PoE / Power adapter	
Power Input	5V / 1A	
Power Consumption	Idle: 1.3W, Peak : 4.3W	Idle:1.7W , Peak:5.7W
Operation Environment	Temperature: 0~40℃; Humidity: 10~65%	
HD Hands-free Speaker	1 (0~7KHz)	
HD Hands-free Microphone	1 (0~7KHz)	
HD Handset RJ9	1 (with Standard RJ9 handset wire)	
1.5M CAT5 cable	1	
Phonebook	500 entries	
Call Log	600 entrie	
Cloud Phonebook	XML/LDAP	
Packing Dimensions	260x255x62mm (L x W x H)	

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