



UC Series IPPBX

Overview

OpenVox UC Series IPPBX is a new generation Unified Communication terminal equipment designed for Small and medium-sized enterprise users. It is compact and lightweight, and provides FXS/FXO interface. It integrates functions such as IP telephony, voice and recording. It is compatible with multiple service platforms and terminals and can seamlessly connect to VoIP networks, traditional telephone networks (PSTN) and provides diverse converged communications solutions. UC IPPBX also features fast installation, easy deployment, and high reliability, which brings a new experience of mobile office and communication to the enterprise.



UC1000



UC120P



UC200

Key features

- 2/4/8/16/24/32 FXS/FXO ports
- Convergence of telephone calls, recordings, messages and instant message
- Open Application Programming Interface (MQTT API)
- Compatible with IMS and Asterisk service platforms
- HD Voice & Video Call Support
- Multiple codecs: G.711a/μ law, G.729A, GSM, G.726, G.722, iLBC, OPUS, VP8, H264
- Flexible Call control: Call failure rerouting, routing based on user privilege level, routing based on time period, routing based on caller and callee number.

Mobile Features

- GSM: 900/1800 MHz
- LTE FDD: B1/B3/B5/B8
- LTE TDD: B34/B38/B39/B40/B41
- SIM/UIM: each channel supports 1 SIM/UIM
- SIM Card Voltage:1.8V, 3.0V
- Antenna:3.0dB, SMA interface

Call Features

- Ring Group/Routes Group
- Remote Party ID/Remote Management
- Call Duration Limitation/Call Failure Rerouting
- Caller ID Number Acquisition/DID Acquisition
- Calling/Called Number Transform
- P-Asserted-Identity/P-Preferred-Identity
- Routing based on user privilege level/time condition/caller id number
- Time Condition
- SIP forking (multiple SIP device registration with same sip account) / Customized SIP Fields
- Dial Plan
- Failover Routing
- FXO Impedance Matching
- Customizable Multi-language IVR
- Auto Attendant Function
- Based on Destination Routing/Source Routing
- Local CDR Storage
- WebPhone (WebRTC)

FXS

- Connector: RJ11
- Caller ID Signaling: BELL,V23, V23_JP, DTMF
- Hang Up Detection: Off-hook, On-hook, Busy Tone
- Polarity Reverse
- Hooking Detection
- Fxs Interface High Voltage Spotlight

FXO

- Connector: RJ11
- Caller ID Detection: FSK, DTMF
- Reversed-Polarity Detection
- Delayed Response Off-hook
- Busy Tone Detection
- No Current Hang-up Detection

Maintenance

- Simple and convenient configuration via Web GUI
- CLI Management Config
- Support configuration files backup and upload
- Support Chinese and English page
- Firmware Update by HTTP
- Modify Password via Web & Telnet
- CDR Query & Export
- Syslog Query & Export
- Ping and Tracer Test
- Ping/Tracert Test
- Traffic Statistics: TCP, UDP, RTP
- Network Capture/Network Quality Test
- Automatic Time synchronization
- Cloud-based Management

Additional Service

- PBX License Control
- T.38 fax
- Call Forwarding (Unconditional/No Reply/Busy/Not Reachable)
- Call Waiting/Holding/Transfer/Queue/Spy
- Permission Control/Broadcast control
- Hotel interface (minibar, alarm, room cleaning, extension privilege setting) Secretary Extension
- High Availability (Hot Standby)
- Phone Book/Announcement/Morning Call (Wake up)
- Secretary Extension

Voice Features

Protocol:

- SIP over UDP/TCP/TLS, SDP, RTP/SRTP
- Supported Codecs: G.711a/μ law, G.729A, GSM, G.726, G.722, iLBC, OPUS, VP8, H264
- Voice Activity Detection (VAD)
- Comfort Noise Generator (CNG)
- TOS/QOS support for SIP and RTP
- Auto Announcement with outgoing call
- Supports HD broadcasting (automatic broadcasting, timed broadcasting)
- Adaptive Dynamic Buffering
- Call Proceeding Tone: Dial Tone, Ring-back Tone, Busy Tone
- AutoCLIP Routing
- VPN: N2N and OpenVPN
- MQTT API
- OPUS/VP8 HD Voice/Video Call
- Silence Suppression
- Adjustable Gain Control/Automatic Gain Control
- Support NAT Traversal
- Echo canceller(G.168), Maximum 128ms
- DTMF Mode: RFC2833/Signal/Inband
- Customized Signal Tones
- Intra-group Pickup
- Hotline
- Do Not Disturb (DND)
- Tripartite Meeting

OpenVox UC Series IPPBX

Product Name	UC120P	UC200	UC1000
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Interfaces

MAX FXS/FXO Ports	2	4/8	16/24/32
GSM/LTE	1	/	/
Micro SD	1	1	/
Ethernet port	2 * 10/100Mbps ports	3 * 10/100Mbps ports	4 * 10/100/1000Mbps ports

General Info

Max Users	100	200	500
Max Concurrent Calls	15	30	80
Max Sip Trunks	30	30	50
Weight	0.5kg	0.55kg	3.9kg
Dimension	160X105X24 mm	188X128X25 mm	280X440X44 mm
Maximum power	12W	20W	80W
Power Consumption	12VDC, $\geq 1.5A$	12V DC, $\geq 2A$	220V AC, 100W
Operation Temperature	0°C ~ 50°C		
Operation Humidity Range	10% ~ 90% NON-CONDENSING		
Storage Temperature Range	-20°C ~ 80°C		

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