

OpenVox UC120 Series IPPBX

Overview

OpenVox UC120 Series IPPBX is a new generation Unified Communication terminal equipment designed for SME and SOHO users. It is compact and lightweight, and provides following voice interfaces: FXS, FXO, GSM/LTE and Φ3.5 audio 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 mobile networks (PLMN), and provide diverse converged communications solutions. UC120 IPPBX also features fast installation, easy deployment, and high reliability, which brings a new experience of mobile office and communication to the enterprise.

Performance

- Convergence of telephone calls, recordings, messages and instant messages
- Corporate headquarters and branch voice networking
- Compatible with IMS and Asterisk service platforms
- Commercial communication between mobile phone and extension anytime, anywhere
- Plug and Play IP Phone
- Open Application Programming Interface (API)



Features

Physical Specification

- FXS:1
- FXO:1
- GSM/LTE:1
- Network Interface:2 10/100 Base-T RJ45

Voice Feature

- VoIP Protocols: SIP over UDP/TCP/TLS, SDP, RTP/SRTP, PPTP VPN
- Supported Codecs: G.711a/μ law, G.723.1, G.729A/B, GSM, G.726, G.722, SPEEX, ADPCM, iLBC
- Silence Suppression
- Comfort Noise Generator (CNG)
- Voice Activity Detection (VAD)
- Echo canceller(G.168), Maximum 128ms
- Adaptive Dynamic Buffering
- Adjustable Gain Control
- Automatic Gain Control
- Call Proceeding Tone: Dial Tone, Ring-back Tone, Busy Tone
- Support NAT Traversal
- DTMF Mode: RFC2833/Signal/Inband

Mobile Feature

- GSM:850/900/1800/1900MHz
- LTE:LTE FDD:B1/B3/B5/B8
LTE TDD:B38/B38/B40/B41
- SIM/UIM: each channel supports 1 SIM/UIM
- SIM Card Voltage:1.8V, 3.0V
- Antenna:3.0dB, SMA interface

Additional Service

- Call Forwarding (Unconditional/No Reply/Busy/Not Reachable)
- Call Waiting/Holding
- Call Transfer
- Intra-group Pickup
- Hotline
- Do Not Disturb (DND)
- Tripartite Meeting

FXS

- Interface Type:RJ11
- Caller ID Signaling: BELL,V23, V23_JP, DTMF
- Hang Up Detection: Off-hook, On-hook, Busy Tone
- Polarity Reverse
- Hooking Detection

FXO

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

Software Feature

- Interface Type:RJ11
- Ring Group
- Routes Group
- Calling/Called Number Transform
- Time Condition
- Based on Destination Routing
- Based on Source Routing
- Dial Plan
- Failover Routing
- FXO Impedance Matching
- Customizable Multi-language IVR
- Auto Attendant Function
- Local CDR Storage

Management & 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/TFTP
- Modify Password via Web & Telnet
- CDR Query & Export
- Syslog Query & Export
- Ping and Tracer Test
- Traffic Statistics: TCP, UDP, RTP
- Network Capture/Network Quality Test
- Automatic Time synchronization

Specifications

UC120 Series IPPBX						
Product Model	UC120-1S1O1G	UC120-1S1O1L	UC120-2S1G	UC120-2O1G	UC120-2S1L	UC120-2O1L
FXO	1	1	N	2	N	2
FXS	1	1	2	N	2	N
GSM	1	N	1	1	N	N
LTE*	N	1	N	N	1	1
SIP Register license	30					
SIP Concurrency (G.711A/U)	15					
SIP Concurrency(G.729)	5					
Audio Interface (Pair)	1					
Weight	0.5kg					
Power Supply	12VDC, ≥1.5A					
Maximum power consumption	12W					
Dimension (W/D/H)	160X105X24 mm					
WAN (LAN1 Port)	10/100 Base-T RJ45					
LAN (LAN2 Port)	10/100 Base-T RJ45					
SIM Card Slot	1					
Micro SD Card Slot	1					
Operation Temperature	0°C ~ 45°C					
Operation Humidity	10% ~ 90% Non-condensing					
Storage Temperature	-20°C ~ 80°C					

*LTE is still in development;

*N: Not Supported;

*UC120-1S1O Series take Line1 as FXS port and Line2 as FXO port by default, and support hardware failover.

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