



CooVox-U20 IP Phone System

for Small and Medium Businesses



First Mini Mobile PBX

No User License Fee

All Standard PBX features

Many Advanced PBX features

Smart Phone Integration

Firewall

Intrusion Detection

Enhanced Security Policies

The CooVox-U20 IP Phone System is the second generation of Mini IP Phone System launched by ZYCOO, meanwhile it's the first Mobile IP Phone System with the ability to use the GSM module to connect to the mobile network for mobile telephony.

CooVox-U20 is a next-generation smart IP PBX System designed and optimized for today's business telecommunication needs. CooVox-U20 is an affordable, scalable, interoperable, secure and reliable solution which provides not only traditional PBX features such as Automated Attendant and Voicemail, but also many advanced features including Remote Extensions, Conference Bridge, Call Recording, Call Detail Records (CDR), Automatic Call Distribution (ACD), Web Dial, Unified Messaging (Voicemail to Email), and many more features.

Highlights & Features

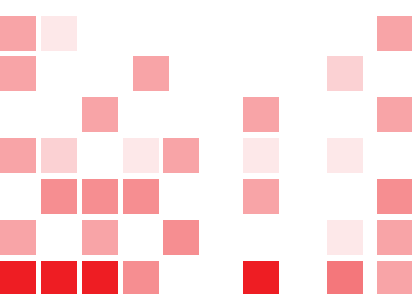
- Fax to Email
- WebRTC/ Web Dial
- Paging and Intercom function strengthens the working efficiency
- Monitor and Whisper
- HD Voice Codec G.722 for perfect voice quality
- Strong security features protect your system from hacking



Telephony Configuration

Model	FXO	FXS
CooVox-U20-A202	2	0
CooVox-U20-A211	1	1

GSM is optional



System Specifications

Call Features

Call Back
Call Forward
Call Hold
Call Paging and Intercom
Call Park
Call Pickup
Call Queue
Call Recording
Call Routing
Blind Transfer
Attendant Transfer
Call Waiting
One Number Stations
Caller ID
Dial by Name
Music On Hold/Transfer
3-Way Conference
Video Call

PBX Features

Black List
BLF (Busy Lamp Field)
CDR (Call Detailed Record)
Conference Room (20 Rooms)
Call Monitoring
DID (Direct Inward Dialing Number)
DISA (Direct Inward System Access)
Distinctive Ringtone
DND (Do Not Disturb)
DNIS (Dialed Number Identification Service)
Feature Codes
FOP (Flash Operation Panel) Status Monitoring
Follow Me
IVR (Interactive Voice Responses)
Mobility Extension
Multi-Language Prompts
Multi-Language GUI
One Touch Recording
Phone Book(LDAP Server)
Phone Provisioning
Pin Set
Record File Download
Ringgroup
SIP Register with UDP/TCP/TLS
SIP Trunk
Skype for SIP
Smart DID
Speed Dial
Spy
SRTP (Secure Realtime Transport Protocol)
T.38 Fax (Pass-through)
Time Based Rule
WebRTC
Voicemail & Voicemail to Email

System Capacities

Up to 15 Concurrent Calls
Up to 20 Conferences
Up to 30 IP Phone Registers/Extensions
Recording: 36,000 mins (.gsm); 4,000 mins (.wav)
Voicemail: 36,000 mins (.gsm); 4,000 mins (.wav)

Codecs & Protocols

Audio Codecs: G.722/G.711-Ulaw/G.711-Alaw/
G.726/G.729/GSM/SPEEX
Video Codecs: H.261/H.263/H.263+/H.264
Protocols: SIP (RFC3261)/IAX2
DTMF: RFC2833/SIP INFO/In-Band

Network Features

DDNS Client
DHCP Server
IPv4/IPv6/IEEE802.1Q
IP Assignment (PPPoE/DHCP/Static)
SNMP v1/v2
TR069
Static Route Table
Trouble Shooting (Ping/Traceroute)
VPN Client (N2N/L2TP/PPTP/OpenVPN/IPSec)
VPN Server (PPTP/L2TP/OpenVPN/IPSec)

Security Features

Refuse SIP Register DoS
Refuse Abort Invite DoS
Refuse SSH Login DoS

Logs

PBX Log
Web Access Log
PBX Debug Log

Hardware Interfaces

1 Reset Button
1 Power Interface
2 Ethernet Interfaces(WAN/LAN)
2 Analog Ports (FXO/FXS)
1 USB 2.0 Interface for Storage
1 Console Port

Hardware Specifications

Processor: DualCore A7(1GHz)
SDRAM: DDR3 512MB
Storage: 8GB SD Card(Industry Standard)
Power Supply: Input AC 100~240V, 50/60Hz;
Output DC 12V/1A

Environment

Working Temperature: 0 ~ 40°C
Storage Temperature: -20 ~ 55°C
Humidity: 5 ~ 95% Non-condensing

Packings

Dimension: 295 × 155 × 65mm
Weight/Unit: 0.8kg
Unit /Carton: 10 Units
Weight/Carton: 9kg



*PSTN is not perfectly supported temporarily in UK





CooVox-U20

CooVox-U20 is a stylish, compact yet full-featured mini IPPBX system designed for small and micro firms/SOHOs. It is suitable for companies under 30 employees and has all the necessary functionality to fulfill their daily telephony needs.

CooVox-U20 comes equipped with 2 analog ports and optionally a GSM interface, allowing companies the option to deliver inbound/outbound phone calls over PSTN/GSM/SIP Trunk/IMS. With the U20, it is possible to deploy up to 2 EX16S expansion boxes for up to 32 legacy phone deployment. This low-cost IPPBX packs a powerful punch, with a rich feature set that can rival the most expensive of Enterprise solutions in today's market place.



Advantages

✓ Quick Setup Wizard

Quick Setup Wizard allows speedy initial configuration of the U20 system. The wizard includes all essential configuration steps in an easy to use and intuitive web based interface.

✓ Endpoints Provisioning

Quick and simple deployment of endpoint devices using PNP and Quick Register Code. CooCall APP can be provisioned by scanning a QR code.

✓ Extension Web Portal (WebRTC Integrated)

Thanks to the extension web portal, you can now Playback voicemail/recordings online, make/receive phone calls, click to dial, incoming call pop-up, send fax. All of this from within your web browser without installing any plugins.

✓ Email Notifications

SMTP templates allow for simple configuration of mail server. Fax to email, voicemail to email, send QR code via email, system events email notifications, etc.

✓ EX16S Expansion Box Provisioning

Combining CooVox series IPPBX with EX16S Gateways can result in deployment time savings of 90% when deploying large amounts of analog phones.

✓ One Number Stations

The same extension can now be registered on 5 different endpoints. This means that a desktop IP phone and mobile phone APP can share the same extension number so wherever you are, you'll never miss any important calls.

Hardware Specifications

Items	Specifications
Telephony Interfaces	2xRJ11 Interfaces (FXO/FXS); 1xGSM (Optional)
CPU	1GHz ARMv7 Processor
SDRAM	512MB DDR3
Storage	16GB SD Card
USB (Extended Storage Supported)	1 (Supported File System: FAT16,FAT32,EXTFAT,NTFS,EXT3,EXT4)
Ethernet Interface	WAN, LAN (10/100Mbps)
Power	DC 12V, 1A
Dimension	170x116x30 (Desktop based)

Software Specifications

System Capacity	<ul style="list-style-type: none"> ✓ 32 Extensions ✓ 15 Simultaneous Calls ✓ 15 Conference Attendees ✓ 150hrs Recording/Voicemail (Internal Storage) ✓ 2 EX16S Deployment (Recommended) 																												
Protocols & Codecs	<ul style="list-style-type: none"> ✓ SIP(RFC3261), IAX2 ✓ DTMF(RFC4733, SIPINFO, In-Band) ✓ Transport Protocols: UDP, TCP, TLS, SRTP ✓ Video Codecs: VP8, H.264, H.263+, H.263, H.261 ✓ Audio Codecs: Opus, G.722, G.711(a-law, u-law), G.729, G.726, GSM, SPEEX 																												
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Multi-level User Administration	<ul style="list-style-type: none"> ✓ Admin user: All Privileges. ✓ Operator user: Manage extensions, general features, faxes, CDR, call recordings, etc. ✓ Extension user: WebRTC, extension recording, extension voicemail, extension call logs, etc. 																												
Security	<ul style="list-style-type: none"> ✓ Firewall based on iptables ✓ Geo-IP (Security policy based on IP address geographical location) ✓ Intrusion auto detection and prevention 																												
Network Features	<ul style="list-style-type: none"> ✓ Network Mode (WAN): Static IP, DHCP ✓ VPN: PPTP (Server and Client), OpenVPN (Server and Client) ✓ Static Routing ✓ DHCP (Server and Client) ✓ DDNS (Dynamic Domain Name Server) 																												

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