



# CooVox-U20 IP Phone System for Small and Medium Businesses



**First Mini** IP PBX with GSM  
3G Data Transportation  
Full IP PBX Features

CooVox-U20 IP PBX is the ideal solution for small and medium business with up to 30 extensions. It is the second type of mini IP PBX with 2 analog ports released from ZYCOO; it is not upgraded version of ZX20, but is developed based on Asterisk 1.8 with much rich and strong features supported. With its great working performance running on the dualcore CPU, it provides another good choice for users.

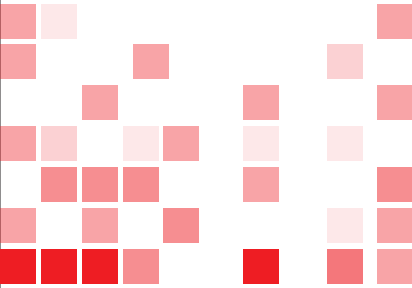
### Benefits & Features:

- 30 IP Phone registrations/Extensions and around 10 concurrent call legs for cost-effective communication.
- Fax to Email/Email to Fax for Green Office.
- Voicemail to Email for not missing any important message.
- Paging and Intercom function strengthens the working efficiency.
- Spy functions for better control of working status.
- Web Based Control Panel for easy configuration and management of the system.
- HD voice codec G.722 for perfect voice quality.
- PoE for power-saving.
- Strong security features protect your system from hacking.



### Telephony Configuration:

| Model           | FXO | FXS | GSM |
|-----------------|-----|-----|-----|
| CooVox-U20-A202 | 2   | 0   | 0   |
| CooVox-U20-A211 | 1   | 1   | 0   |
| CooVox-U20-AG02 | 2   | 0   | 1   |
| CooVox-U20-AG11 | 1   | 1   | 1   |



## 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  
Attend Transfer  
Call Waiting  
Caller ID  
Dial by Name  
Music on Hold / Transfer  
Three-Way Conference  
Video Calls

### PBX Features

Black List  
BLF (Busy Lamp Field)  
CDR (Call Detailed Record)  
Conference Room (3 rooms)  
DID (Direct Inward Dialing Number)  
DISA (Direct Inward System Access)  
Distinctive Ringtone  
DND  
DNIS  
Feature Codes  
Flash Operation Panel  
Follow Me  
IP Phone Provisioning  
IVR (Interactive Voice Responses)  
Mobility Extension  
Multi-language System Prompt  
Multiple Language of GUI (Chinese / English)  
One Touch Record  
Phone Book  
Phone Provisioning  
Pin Sets  
Record Files Download  
Ringgroup  
SIP Register with UDP/TCP/TLS  
SIP Trunk  
Skype for SIP  
Smart DID  
Speed Dial  
Spy  
SRTP  
System Log  
T.38 FAX(Pass-through)  
Time based rule  
Virtual FAX  
Voicemail & Voicemail to Email

### System Capacity

10 Concurrent Call Legs  
Up to 30 IP Phone Registers/Extensions  
Recording(GSM/ default): 21,000 mins;  
Wav: 3000 mins  
Voicemail(GSM/ default): 21,000 mins  
Wav: 3000 mins

### Codec & Protocol

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

### Network Features

DDNS Client  
DHCP Server  
IEEE802.1Q of VLAN  
IP Assignment (PPPoE / DHCP / Static)  
IPv4 / IPv6  
SNMP v1/v2  
Manual Configuration of Static Route Table  
Trouble Shooting (Ping, Traceroute)  
VPN Client  
(Support N2N / L2TP/PPTP/OpenVPN)  
VPN Server(PPTP/L2TP/OpenVPN Server 10)

### Security Features

Refuse SIP Register DoS  
Refuse Abort Invite Dos  
Refuse SSH Login DoS  
FireWall  
SRTP

### Log

Asterisk Debug Log  
Phone Register Log  
SSH Log  
System Log  
Web Access Log

### Hardware Interface

1 Reset Button  
1 Power Interface  
1 Ethernet Interface (10/100Mbps)  
2 Analog Ports (FXO/FXS)  
1 GSM Antenna Interface  
1 UMTS Interface for 3G Data (onboard)  
LED indication

### Hardware Specifications

CPU: DualCore 500Mhz DSP  
Memory: 4G (Default SD Card)  
SDRAM: 128M DDR2  
Power Supply:  
Input: 100 ~ 240 Vac  
Output: DC 12V 1.0A

### Environment

Working Temperature -10 °C -45 °C  
Storage Temperature: -30 °C -65 °C  
Humidity: 10-80% No Dew

### Packaging

Dimension:155 × 295 × 65 mm  
Weight: 0.8kg

