CooVox-U100
IP Phone System
for Small and Medium Businesses

ZYCOO
WE FOCUS·WE DELIVER

Modular Design

Expandable Storage

Integrated Fax Server

SIP Open Standards

CooVox-U100 IP PBX is the ideal solution for small and medium business with up to 500 extensions. Adopting modular design, it is more convinient for users to plug and play; meanwhile, it is more flexibly to choose and change the module cards (FXO/FXS/GSM/ISDN BRI/E1/T1). Developed based on Asterisk 1.8 with much more rich and strong features supported, and running on the dualcore CPU, it provides better working performance than ever before.
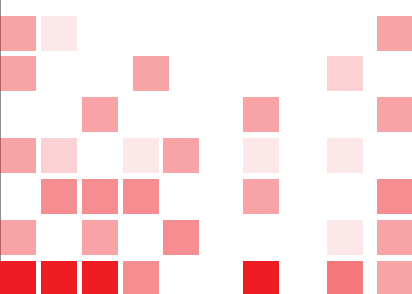
Benefits & Features:

- 500 IP Phone registrations/Extensions and around 80 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.
- Console port for easy management from the background.
- USB port for memory expanding or 3G Data transportation.
- Hardware Echo Cancellation module for great and smooth communication.
- Strong security features protect your system from hacking.

Telephony Configuration:

U100 Module ＼ U100 Slot	Slot 1	Slot 2
4FXS	✔	✔
4FXO	✔	✔
2FXOS	✔	✔
2GSM	✔	✔
4GSM	✔	✔
4BRI	✔	✔
1 E1/T1	✔	✔

CooVox-U100

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
80 Concurrent Call Legs
Up to 500 IP Phone Registers/Extensions
Recording(GSM/ default): 2,500,000 or 100,000 mins;
 Wav: 210,000 or 10,000 mins
Voicemail(GSM/ default): 2,500,000 or 100,000 mins;
Wav: 210,000 or 10,000 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
Static Route Table by manually
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 Power Switch
2 Ethernet Interfaces (10/100Mbps)
1 VGA Interface
2 Audio Interfaces
2 USB Interfaces
1 Hardware Echo Cancellation Interface (onboard)
1 UMTS Interface for 3G Data (onboard)
1 SLOT 1 for Analog/ GSM/ E1/T1(PRI,MFC R2)
/ISDN BRI(NT,TE) Module Card
1 SLOT 2 for any ZYCOO Module Card

Hardware Specifications
CPU: DualCore 1.86 Ghz ATOM
Memory: 500G hard disk or 16G SSD
SDRAM: 2G DDR3
Power Supply: Internal
Input: 100 ~ 240 Vac

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

Packaging
Dimension: 310 × 500 × 90 mm
Weight: 4.8kg