



CooVox-U50 IP Phone System

for Small and Medium Businesses

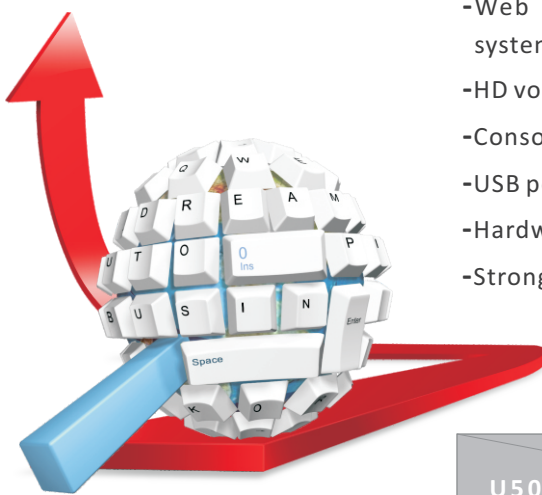


- Modular Design
- 3G Data Transportation
- Integrated Fax Server
- SIP Open Standards

CooVox-U50 IP PBX is the ideal solution for small and medium business with up to 100 extensions. Adopting modular design, it is more convenient for users to plug and play; meanwhile, it will be 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:

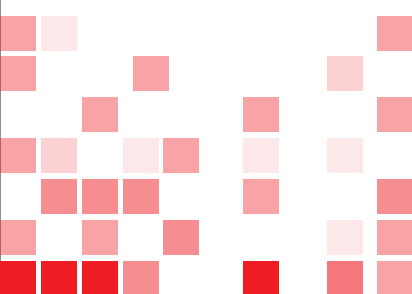
- 100 IP Phone registrations/Extensions and around 20 concurrent call legs for cost-effective communication.
- Fax to Email/Email to Fax for Green Office.
- Voicemail to Email for not missing any important message.
- Paging and Intercom function strengthens the working efficiency.
- Spy functions for 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:

U50 Module	U50 Slot	Slot 1	Slot 2
4FXS		✓	✓
4FXO		✓	✓
2FXOS		✓	✓
2GSM		✓	✓
4GSM		✓	✓
4BRI		✓	✗
1 E1/T1		✓	✗

Notice: Slot 2 is only for Analog/GSM module card.



System Specifications

Call Features

Call Back
 Call Forward
 Call Group
 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
 SRTTP
 System Log
 T.38 FAX(Pass-through)
 Time based rule
 Virtual FAX
 Voicemail & Voicemail to Email

System Capacity

20 Concurrent Call Legs
 Up to 100 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
 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

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)
 1 Console Interface
 1 USB Interface
 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 Analog/ GSM Module Card Only

Hardware Specifications

CPU: DualCore 500Mhz DSP
 Memory: 4G (Default SD Card)
 SDRAM: 256M DDR2
 Power Supply:
 Input: 100 ~ 240 Vac
 Output: DC 12V 2.0 A

Environment

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

5mm

