



# CooVox-U50 IP Phone System

for Small and Medium Businesses



### NO USER LICENSE FEES

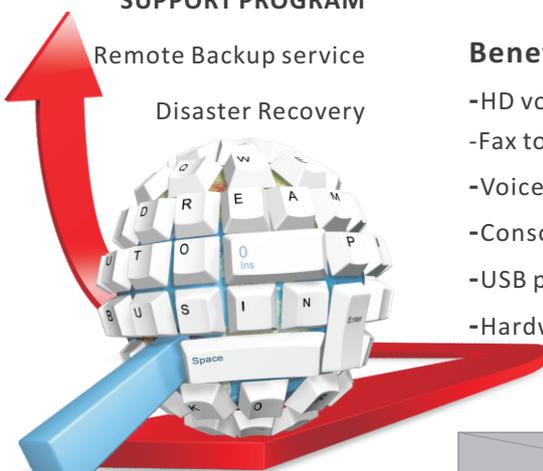
- All standard PBX features
- Many Advanced PBX features
- Desktop Call Management

### INCREASED SECURITY

- Enhanced Security policies
- Firewall
- Intrusion Detection

### SUPPORT PROGRAM

- Remote Backup service
- Disaster Recovery



CooVox-U50 IP Phone system is the ideal solution for small and medium business with up to 100 extensions. Adopting an innovative modular design, means it is very convenient to add telephony ports to expand the Phone system. CooVox-U50 supports industry standard SIP trunks as well as analog PSTN trunks(FXO module), mobile GSM trunks(GSM module), analog stations (FXS module), as well as digital trunks (E1/T1 module).

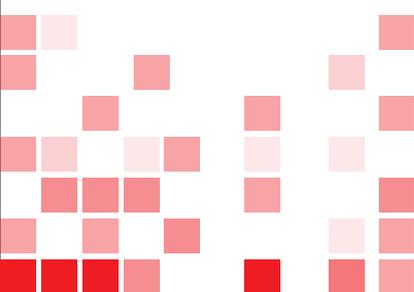
CooVox-U50 is a next-generation Hybrid IP PBX system designed and optimized for today's business telecommunication needs. CooVox-U50 is an affordable, scalable, interoperable, secure and reliable solution which not only provides traditional PBX functions such as automated attendant and voicemail, but also many advanced features including remote extensions, remote office connection, conference bridge, call recording, call detail records (CDR), automatic call distribution (ACD), unified messaging (voice mail to email), and many more features.

### Benefits & Features:

- HD voice codec G.722 for perfect voice quality.
- Fax to Email/Email to Fax for Green Office.
- Voicemail to Email for not missing any important message.
- Console port for easy management.
- USB port for expanded storage or 3G network connectivity.
- Hardware Echo Cancellation module for great and smooth communication.

### Telephony Configuration:

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



## 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)  
 Call Monitoring  
 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 Prompt  
 Multi-Language GUI  
 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

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  
 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

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

### Hardware Interface

1 Reset Button  
 1 Power Interface  
 1 Ethernet Interface  
 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,MFCR2)  
 1 SLOT 2 for Analog/ GSM Module Card Only

### Hardware Specifications

CPU: DualCore 500Mhz DSP  
 SDRAM: 256MB DDR2  
 Storage: 4GB (Default SD Card )  
 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

### Packaging

Dimension: 220 × 410 × 85mm  
 Weight: 2.2kg

