



# CooVox-U50 IP Phone SYSTEM

for Small and Medium Business



**No User License Fee**

**All Standard PBX Features**

**Many Advanced PBX Features**

**Desktop Call Management**

**Increased Security**

**Enhanced Security Policies**

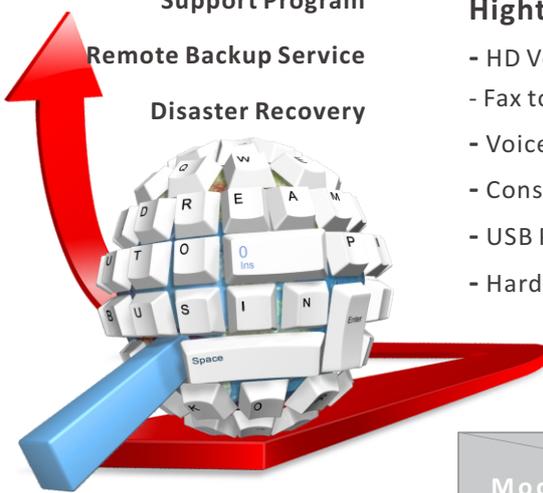
**Firewall**

**Intrusion Detection**

**Support Program**

**Remote Backup Service**

**Disaster Recovery**



CooVox-U50 IP Phone System is an ideal solution for small and medium business with up to 100 extensions. Adopting the innovative modular design, it is very convenient to increase telephony ports to expand the 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 (PRI/BRI 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 (Voicemail to Email), and many more features.

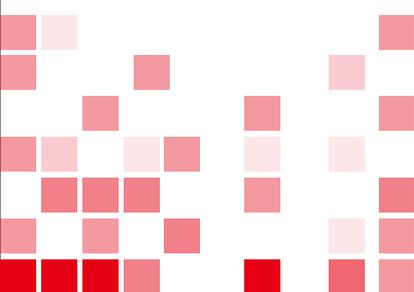
### Highlights & Features

- HD Voice Codec G.722 for perfect voice quality
- Fax to Email/Email to Fax
- Voicemail to Email
- 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

Module	Slot	Slot 1	Slot 2
4FXS		✓	✓
4FXO		✓	✓
2FXOS		✓	✓
2GSM		✓	✓
4GSM		✓	✓
1PRI		✓	✗
4BRI		✓	✗

Slot 2 is for Analog/GSM Modules only



## 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  
Attended Transfer  
Call Waiting  
Caller ID  
Dial by Name  
Music On Hold/Transfer  
3-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 (Do Not Disturb)  
DNIS (Dialed Number Identification Service)  
Feature Codes  
FOP (Flash Operation Panel)  
Follow Me  
IVR (Interactive Voice Responses)  
Mobility Extension  
Multi-Language Prompts  
Multi-Language GUI  
One Touch Recording  
Phone Book  
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  
Virtual Fax  
Voicemail & Voicemail to Email

### System Capacities

20 Concurrent Call Legs  
Up to 100 IP Phone Registers/Extensions  
Recording: (.gsm/default) 21,000 mins;  
.wav 3,000 mins  
Voicemail: (.gsm/default) 21,000 mins;  
.wav 3,000 mins

### 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)  
VPN Server (PPTP/L2TP/OpenVPN, Up to 10 Users)

### Security Features

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

### Logs

PBX Log  
Web Access Log  
PBX Debug Log

### Hardware Interfaces

1 Reset Button  
1 Power Interface  
1 Ethernet Interface  
1 Console Interface  
1 USB Interface  
1 Hardware Echo Cancellation Interfaces (Onboard)  
1 UMTS Interface for 3G Data (Onboard)  
Slot 1 for ZYCOO Analog/GSM/PRI/BRI Module  
Slot 2 for ZYCOO Analog/GSM Module

### Hardware Specifications

Processor: DualCore 500MHz DSP  
SDRAM: DDR2 256MB  
Storage: 4GB SD Card  
Power Supply: Input AC 100~240V, 50/60Hz;  
Output DC 12V/2A

### Environment

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

### Packings

Dimension: 410 × 220 × 85mm  
Weight/Unit: 1.8kg  
Unit/Carton: 6 Units  
Weight/Carton: 12kg

