

## CooVox-U50

CooVox-U50 is an affordable, scalable, interoperable, secure and reliable solution and provides not only traditional PBX features such as Automated Attendant and Voicemail, but also many advanced features including Remote Extensions, Remote Office Connections, Conference Bridge, Call Recording, etc. It is an ideal choice for small and medium sized companies under 100 employees who wish to build their own innovative business phone system.

CooVox-U50 is designed to meet the telephony needs of a modern business and will greatly increase their efficiency and competitiveness.



### Advantages

#### ✓ Quick Setup Wizard

Quick Setup Wizard allows speedy initial configuration of the U50 system. The wizard includes all essential configuration steps in an easy to use and intuitive web based interface.

#### ✓ Endpoints Provisioning

Quick and simple deployment of endpoint devices using PNP and Quick Register Code. CooCall APP can be provisioned by scanning a QR code.

#### ✓ Extension Web Portal (WebRTC Integrated)

Thanks to the extension web portal, you can now Playback voicemail/recordings online, make/receive phone calls, click to dial, incoming call pop-up, send fax. All of this from within your web browser without installing any plugins.

#### ✓ Operator Panel

The Operator Panel is a comprehensive software application specially designed for the CooVox series of IPPBX. By using the Operator Panel, users can achieve features such as live paging, emergency paging, high-quality background music, scheduled paging, scheduled music, etc.

#### ✓ SIP Proxy Services

No fixed public IP, third-party DDNS services and VPN router required. Remote extension and remote branch office phone system integration have never been easier!

#### ✓ Billing

With built-in billing system, no third-party billing software required. Prepaid/postpaid billing, billing credit, flexible billing rates and billing statistics features are all supported.

#### ✓ Web Conference Manager

By using web conference manager, it will be much easier for you to start and manage a conference from the Web interface. Invite participants, mute/unmute participants, kick out participants can be done by a few mouse clicks.

### Hardware Specifications

Items	Specifications
Telephony Interfaces	8xFXO/FXS/GSM/WCDMA Interfaces
CPU	1GHz ARMv7 Processor
SDRAM	1GB DDR3
Storage	16GB SD Card
USB (Extended Storage Supported)	1 (Supported File System: FAT16,FAT32,EXTFAT,NTFS,EXT3,EXT4)
Ethernet Interface	WAN, LAN (10/100Mbps)
Power	DC 12V, 2A
Dimension	345x160x35mm (Rack mount or Desktop based)

## Software Specifications

System Capacity	<ul style="list-style-type: none"> <li>✓ 100 Extensions</li> <li>✓ 30 Simultaneous Calls</li> <li>✓ 30 Conference Attendees</li> <li>✓ 150hrs Recording/Voicemail (Internal Storage)</li> <li>✓ 1-6 EX16S Deployment (Recommended)</li> </ul>	<ul style="list-style-type: none"> <li>✓ Unlimited IVR Levels</li> <li>✓ 50 SIP/IMS Trunks (Max)</li> <li>✓ 500000 CDR History</li> <li>✓ 10000 Phonebook Contacts</li> <li>✓ 30 Paging Members</li> </ul>
Protocols & Codecs	<ul style="list-style-type: none"> <li>✓ SIP(RFC3261), IAX2</li> <li>✓ DTMF(RFC4733, SIPINFO, In-Band)</li> <li>✓ Transport Protocols: UDP, TCP, TLS, SRTP</li> <li>✓ Network Protocols: IPv4, IPv6, VLAN, DHCP, PPPoE, NTP, SNTP, TFTP, SSH, HTTPS, LDAP</li> <li>✓ Video Codecs: VP8, H.264, H.263+, H.263, H.261</li> <li>✓ Audio Codecs: Opus, G.722, G.711(a-law, u-law), G.729, G.726, GSM, SPEEX, AMR, ARM-WB</li> </ul>	
Telephony Features	<ul style="list-style-type: none"> <li>✓ Call Queue</li> <li>✓ Ring Group</li> <li>✓ Call Forward</li> <li>✓ Call Transfer</li> <li>✓ Call Pickup</li> <li>✓ Call Parking</li> <li>✓ Call Waiting</li> <li>✓ Speed Dial</li> <li>✓ IVR (Multi-layer)</li> <li>✓ Caller ID</li> <li>✓ Call Spy</li> <li>✓ Video Call</li> <li>✓ 3-way Calling</li> <li>✓ Conference Call</li> <li>✓ Follow Me</li> <li>✓ Call Back</li> <li>✓ DISA</li> <li>✓ Smart DID</li> <li>✓ Blacklist</li> <li>✓ Voicemail</li> <li>✓ Wakeup Call</li> <li>✓ PIN Code</li> <li>✓ Do Not Disturb</li> <li>✓ Switch Call</li> <li>✓ Time Conditions</li> <li>✓ Paging &amp; Intercom</li> <li>✓ One Number Stations</li> <li>✓ Music On Ringback</li> <li>✓ Distinctive Ringtone</li> <li>✓ Auto Call Recording</li> <li>✓ One Touch Recording</li> <li>✓ Call Detailed Records (CDR)</li> </ul>	
Feature Highlights	<ul style="list-style-type: none"> <li>✓ Quick Installation Guide</li> <li>✓ Softphone APP Auto Provisioning (QR Code Scan)</li> <li>✓ IP Phone Auto Provisioning (PNP, Quick Register Code)</li> <li>✓ LDAP Phonebook Auto Configure (H81, H83)</li> <li>✓ EX16S Auto Provisioning</li> <li>✓ SIP Proxy (NAT Traversal)</li> <li>✓ Voicemail to Email</li> <li>✓ Fax to Email</li> <li>✓ Multilingual Web UI</li> <li>✓ Multilingual Voice Prompts</li> </ul>	
Multi-level User Administration	<ul style="list-style-type: none"> <li>✓ Admin user: All Privileges.</li> <li>✓ Operator user: Extensions, faxes, CDR, recordings, etc.</li> <li>✓ Extension user: WebRTC, recordings, voicemails, call logs, etc.</li> <li>✓ Billing user</li> <li>✓ Conference manager</li> </ul>	
Security	<ul style="list-style-type: none"> <li>✓ Firewall based on iptables</li> <li>✓ Intrusion auto detection and prevention</li> <li>✓ Geo-IP (Security policy based on IP address geographical location)</li> <li>✓ IP Black/White List</li> <li>✓ Extension Permit IP</li> </ul>	
Network Features	<ul style="list-style-type: none"> <li>✓ Network (WAN): Static IP, DHCP, PPPoE</li> <li>✓ VPN: PPTP, OpenVPN, IPsec, L2TP (Server and Client)</li> <li>✓ Static Routing</li> <li>✓ DHCP (Server and Client)</li> <li>✓ DDNS (Dynamic Domain Name Server)</li> <li>✓ VLAN (WAN &amp; LAN Interface)</li> <li>✓ Virtual IP</li> <li>✓ Local Domain Name Services</li> <li>✓ SIP Proxy (NAT Traversal)</li> </ul>	

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