

# UC350 Series IP PBX

## Overview

UC350 Series IP PBX is a new generation IP PBX for large capacity unified communication solutions. Based on the powerful hardware platform, UC350 Series IP PBX includes UC350 and UC350 Pro. UC350 and UC350 Pro support 1,000/5,000 extensions and 120/500 concurrent calls which are integrated voice, video, paging, fax, conference, recording, and other useful functions. It also provides four slots that can install E1/T1 boards, FXS, and FXO boards by hot-plug mode, so that it can be flexibly configured and combined according to the actual use scenarios. It is suitable for helping to build the telephony system of large and medium-sized enterprises and can meet the branch office needs of large group enterprises and government agencies, helping enterprises and industry customers to establish a convenient and efficient IP telephone system.

In addition, the UC350 Series IP PBX provides an intuitive and easy-to-use graphical interface to facilitate user management and maintenance. With the open API, users can easily integrate the phone system with third-party systems of CRM and hotel system platforms. It provides a convenient and intelligent one-stop telephony solution for enterprises.



UC350



UC350 Pro

## Key Features

- Supports Voicemail/ Voice recording
- Supports E1/T1, FXO, and FXS ports with flexible and alternative capability
- FXU User board supports power failure lifeline
- Distributed multi-core CPU, greatly improves the call processing capacity
- Flexible dial rules based on time, number or source IP etc.
- Supports Multi-level IVR, helps to build personalized voice navigation for enterprise
- User-friendly web interface, classification of web user's access permission

| Specification                               | UC350                                                                               | UC350 Pro                                                                             |
|---------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| SIP Users                                   | 1,000                                                                               | 5,000                                                                                 |
| Concurrent Calls                            | 120                                                                                 | 500                                                                                   |
| MCU board Slots                             | 1                                                                                   | 1                                                                                     |
| Gigabit Ethernet ports                      | 2<br>( By default, GE1 is the management port )                                     | 4<br>( By default, GE3 is the management port )                                       |
| USB2.0                                      | 1                                                                                   | 2                                                                                     |
| USB3.0                                      |    | 1                                                                                     |
| Console port                                | 1*RJ45                                                                              | 1*USB-B                                                                               |
| User board Slots                            | 4                                                                                   | 4                                                                                     |
| FXS Board<br>( 8 FXS Ports )                | 2*RJ45                                                                              | 2*RJ45                                                                                |
| FXO Board<br>( 8 FXO Ports )                | 2*RJ45                                                                              | 2*RJ45                                                                                |
| FXU Board<br>( 4 FXS and 4 FXO Ports )      | 2*RJ45                                                                              | 2*RJ45                                                                                |
| DTU Board<br>( 4 E1/T1 Ports )              | 4*RJ45                                                                              | 4*RJ45                                                                                |
| 1+1 Power Supply<br>(100-240 VAC, 50/60 Hz) |  |  |
| Dimensions (W/D/H)                          | 437*345*49 mm                                                                       | 437*345*49 mm                                                                         |
| Power Consumption                           | 50W                                                                                 | 55W                                                                                   |
| Weight                                      | 5.7kg                                                                               | 5.6kg                                                                                 |
| Operating Temperature                       | 0 °C ~ 45 °C                                                                        | 0 °C ~ 45 °C                                                                          |
| Storage Temperature                         | -20 °C ~80 °C                                                                       | -20 °C ~80 °C                                                                         |
| Humidity                                    | 10%-90% Non-Condensing                                                              | 10%-90% Non-Condensing                                                                |

## FXS

- Connector: RJ45
- Hook Flash
- Polarity Reversal
- Answer and Disconnect Signaling: Answer, Disconnect, Busy Tone
- Caller ID: Bellcore Type 1&2, ETSI, BT, NTT and DTMF

## FXO

- Connector: RJ45
- Caller ID: FSK, DTMF
- Polarity Reversal
- Answer Delay
- Detection of Busy Tone
- Detection of No Current
- Auto Match of FXO Impedance

## PSTN

- 4\* E1/T1 Ports at max
- Interface: RJ48 (120 Ohm)
- ISDN PRI:  
23B+D(T1), 30B+D(E1),  
NT or TE ITU-T Q.921, ITU-T Q.931, Q.Sig
- Signal 7/SS7:  
ITU-T, ANSI, ITU-CHINA,  
MTP1/MTP2/MTP3, TUP/ISUP
- R2 MFC
- E1 Frame Format: DF, CRC-4, CRC\_ITU
- T1 Frame Format:  
2-Frame Multi-frame (F12, D3/4),  
Extended Super-frame (F24, ESF)
- Line Code:  
E1: HDB3, T1: B8ZS
- Clock: Local/Remote Clock Source

## Maintenance

- Web GUI Configuration
- Configuration Restore/Backup
- Multiple Languages Supported
- Remote management via cloud services
- HTTP Firmware Upgrade
- Syslog, Ping/Nslookup/Traceroute
- Traffic Statistics: TCP, UDP, RTP
- Network Capture, Web Multi-User
- NTP, FTP server
- Classification of Web Users' Rights

- Personal Portal Management
- HTTP&HTTPS/NATS API
- Schedule Task, Event Report
- Firewall, Hosts

## Voice Capabilities

- VoIP Protocols: SIP over UDP/TCP/TLS, SIP-T, SDP, RTP/SRTP
- Silence Suppression
- Dynamic Jitter Buffer
- Adjustable Gain Control
- Automatic Gain Control(AGC)
- Comfort Noise Generator(CNG)
- Voice Activity Detection(VAD)
- NAT: STUN/DDNS/Rport/Static IP
- DTMF: RFC2833/Signal/Inband
- FAX: T.38 and Pass-through
- Echo Cancellation: G.168 with up to 128ms
- Call Progress Tones: Dial Tone, Ring Back Tone, Busy Tone
- Audio Codecs: G.711, G.723.1, G.729, G.722, G.726, OPUS
- Video Codecs: VP8, H.261, H.263, H.264

## PBX Services

- 3-Way Conference
- Voicemail to Email
- CDRs, Multi-level IVR
- Auto-attendant Function
- Voicemail, Voice Recording
- Event Report, Email Client
- Zero configuration of the phone
- Dial Rules, Failover Routing
- Routing Groups, Ring Group, Call Queue
- Paging/Intercom, Hotline, Do-not-disturb
- Routing Based on Time Period
- Routing Based on Source Trunks
- Routing Based on Caller/Called Prefixes
- Caller/Called Number Manipulation
- Call Forward (Unconditional/No Answer/Busy)
- Call Waiting/Call Holding/Call Transfer
- Support Dinlink (APP)
- Attendant Console
- PMS (Property Management System)