

UC350 IP PBX

Overview

UC350 IP PBX is a new generation IP PBX for large capacity unified communication solutions. UC350 supports up to 1,000 extensions and 120 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 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.



Key Features

- Supports up to 1000 SIP users and 120 concurrent calls
- 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

SIP Extensions	500	800	1000
Concurrent Calls	60	100	120

Physical Interfaces

- **1* MCU Boards(include)**
- **4* User board Slots**
(DTU, FXS, FXO,FXU boards exclude)
- FXS Board: 2* RJ45 with 8 FXS
- FXO Board: 2* RJ45 with 8 FXO
- FXU Board: 2*RJ45 with 4 FXS and 4 FXO Ports
- DTU Board: 4* E1/T1 Ports
- USB Interface: 1*USB2.0
- Ethernet Interfaces
2*10/100/1000M, Base-T, RJ45
- Console port: 1* RJ45

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
- Answer Delay
- Polarity Reversal
- 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

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
- 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)
- PNP Auto Configuration
- Billing Management

Environmental

- Power Supply:
1+1 Power Supply
100-240VAC 50/60Hz
- Power Consumption: 50W
- Unit Weight: 5.7kg
- Operating Temperature: 0 °C ~ 45 °C
- Storage Temperature: -20 °C ~80 °C
- Humidity: 10%-90% Non-Condensing
- Dimensions (W/D/H): 437*345*49 mm

Network

- IP Firewall, Fail2ban
- Dynamic/Static NAT
- Dual-machine Hot Standby
- Anti-brute Force Attack Mechanism

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
- Hosts