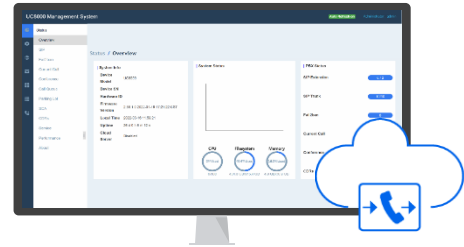




# UC8000 VoIP PBX

## Overview

UC8000 is a new software-based SIP/IPPBX solution, it can be deployed for government organizations, medium and large enterprises, college campus, hospitality, head-quarter and branch office connection for phone system and call center service. UC8000 provides rich features which include SIP/PSTN/IMS trunks, call recording, call transfer, call conference, e-fax, call queue, IVR and so on.



UC8000 supports up to 20,000 SIP registrations and 4,000 concurrent calls. Users can install UC8000 and connect with third party IPPBXs, UCs and SIP servers. UC8000 also can be a replacement solution of traditional legacy phone system and take the advantage of IP communication with existing resource, extend to hybrid and unified communication working environment.

UC8000 supports the installation with software-based platform or a hardware appliance, It can operate on X86, ARM, Huawei KunPeng architecture and cloud-based platform. UC8000 with software installation would allow customers to deploy the system in a very flexible way, adjust system resource dynamically without any hardware limitation. UC8000 is a cloud ready product, it can be installed with the current main cloud-based platforms to let customer be able to run the IPPBX in cloud platform. With open standard support, UC8000 would be able to be installed with hardware appliances in the market such Dell/IBM serve, it also can be installed into DINSTAR hardware appliance UC2500 with more PSTN options.

UC8000 is a very powerful carrier-grade SIP/IP solution with high-availability mechanism, supports various IPPBX call features for enterprise level and with good SIP/IMS compatibility, and by adding more VoIP gateways to be a full-featured and cost-effective IPPBX solution, and offers auto-provision and zero-touch solution for SIP phone maintenance and management.

## Key Features

- Up to 20,000 SIP extension registrations and 4,000 concurrent calls
- Can operate on X86, ARM and Huawei KunPeng architecture, Docker, AWS, Google, Alibaba, Microsoft Cloud
- Support DINSTAR hardware appliance UC2500
- Call transfer, conference calls, intercom/paging, hot-desk and more
- Flexible call routing based on time profile and number prefix
- Multi-level IVR, customizable IVR, voicemail/call recording
- Easy and user-friendly GUI

## IP PBX Features

3-way Calling, Conference call  
Video call  
Voicemail, Voicemail to Email  
Voicemail Forwarding  
Call Control  
Call with Password Protection  
Call Priority  
Call Group Control  
Instant meeting, Scheduling meeting(Audio-only)  
Blacklist/Whitelist  
CDRs/Call Signaling Recording  
One Touch Recording  
Auto-recording  
Playback recording on web  
One SIP account with multi device registrations  
One device Multiple Numbers  
Auto Provisioning  
Auto-attendant Function  
Multi-level IVRs  
Feature codes  
Designated Pickup  
Caller ID display  
Manager/Secretary Function  
Caller/Called Number Manipulation  
Routing Based on Time Period  
Routing Based on Caller/Called Prefixes  
Attendant Console  
Mobile Extension  
Auto-Configuration  
IP Blacklist  
Extension User Management Interface  
Multi-language System Prompt  
Random Password for Extension

## Media Capabilities

**VoIP Protocols:** SIP over UDP/TCP, RFC3261  
SDP, RTP/RTCP, SSL  
**Audio Codecs:** G.711a/u, G.723, G.729, G.722, G.726, Opus  
**Video Codecs:** VP8, H261, H263, H264, H263-1998, H263-2000  
Voice Activity Detection(VAD)  
Comfort Noise Generator(CNG)  
Adaptive Dynamic Buffer  
Adjustable Gain Control  
FAX: T.38 and Pass-through  
NAT: STUN/DDNS  
DTMF: RFC2833/Signal/Inband

## Call Features

Call Forward (Always/No Answer/Busy)  
Call Forwarding for particular user  
Blind/Attended Transfer  
Redial/Call Return  
Speed dial  
Call transfer, Call parking, Call waiting  
Do-not-disturb (DND)  
DISA  
Music on Hold  
Emergency Call  
Alarm Call  
Broadcast/Broadcast group  
Intercom/ Multicast  
Call pickup/pickup group  
Call Routing Group, Ring Group  
Call Queue  
Coloring Ring Back Tone(CRBT)  
Custom Prompt, Distinctive Ringtone

## Deployment platforms

Hardware Architecture: X86/ARM  
**Virtual Machine:**  
VMware, Fusionsphere, FusionComputer, KVM  
**Cloud Deployment:**  
Alibaba Cloud, Google Cloud, Telecom Cloud, Amazon Cloud, etc.

## Network

QoS, NAT, Fail2ban  
HA hot-standby

## Maintenance

Web GUI Configuration  
Command Line Configuration  
Configuration Restore/Backup  
Multiple Languages Support  
HTTP/TFTP/FTP Firmware Upgrade  
CDR Report and Export  
Ping and Tracert Test  
Network Capture  
NTP  
Internet Quality Test  
Users with Multi-level Permission  
API  
Network Space Storage

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### About Us

Founded in 2011 in Shenzhen, DINSTAR is a leading global provider of IP Unified Communication products including VoIP Gateways, IP PBXs, IP Phones and SBCs, we have been delivering more agile, efficient and affordable communication solutions and unparalleled communication experiences to our customers with our reliable, innovative and future-proof products for years. Through our value-added distributors and resellers worldwide, now DINSTAR serves telecom operators, service providers, system integrators, enterprises, SMBs and OEM partners in over 100 countries.