



## Unified Communications-UC

Unified Communication Platform, English: Unified Communication System referred to as UCs, also known as unified communication system. Refers to a new generation of communication platform, integrated voice, video, instant messaging, text, pictures and other mobile Internet Data Fusion communication platform.

### Unified Communications ( UC )

#### --SparkleComm

Sparklecomm unified communication platform, in addition to providing voice IP phones and video calls, also allows enterprises to effectively integrate existing data business processes. An enterprise or organization can move from a unified software interface (IOS/Android/Windows/MACOs ), use a familiar and simple operating mode for voice calls, video calls, conference calls, video conferencing, instant messaging, file delivery, without worrying about information missing, delay, and false messaging, in order to have the enterprise or organization's own internal communication solutions.

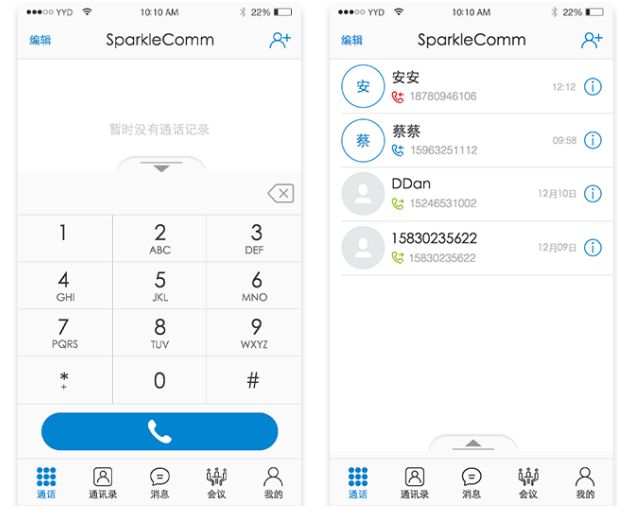
## Software phone--

### SparklePhone

A fully integrated software client for voice, video, phone, instant messaging and mail that can be installed on your smartphone, PC/MAC.

Support Operating System: Android 4.4; IOS 8.01; Windows 7; Linux (partial); MACOs 10.0.

Features: 1. support a variety of Speech Encoding; 2. support the docking with mainstream ippbx; 3. support for IMS (with ZTE and Huawei IMS successful docking case); 4. support call forwarding, deflection, meeting, tripartite and other functions; 5. support analog walkie talkie access; 6. presense is supported ).



## Video Call—SparkleVideo

The video call function is used for mobile phone to mobile phone, mobile phone to PC and video conference.

Features: 1. support a variety of clarity and can switch intelligently according to network bandwidth; 2. voice call dynamic combination, support call midway start and close the video; 3. support video device selection such as external camera; 4. support for camera access with video surveillance.

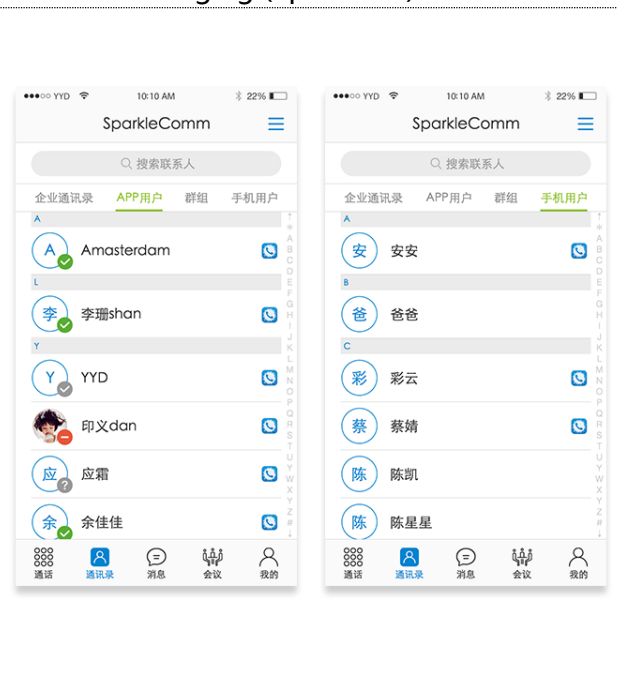
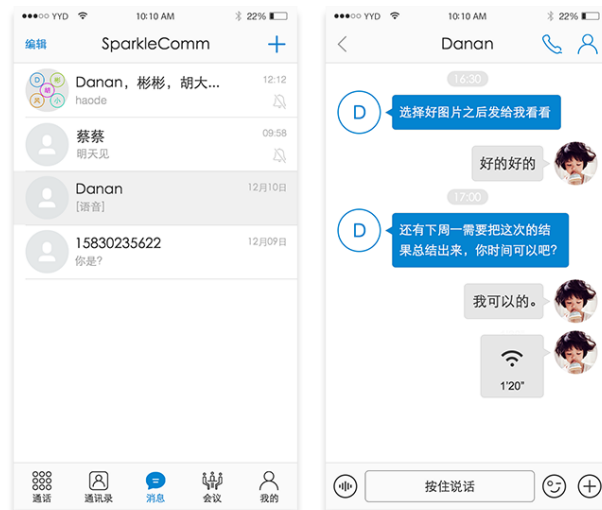
For more, about video, call, please read: video, call (sparklevideo) topic

## Instant Messaging-sparkleim

The instant messaging function is used for multimedia and text message communication between users and users. The Rogue instant message includes an instant messaging client and a server, and supports group chat and offline message push.

Features: 1. Transmission format includes: pictures, files, emoticons, audio clips, video clips, etc., to achieve desktop sharing; 2. Support SIP Message; 3. Support mobile client (Android/iOS/WM) and PC client (Windows/macOS/Linux) and integrated with softphone.

For more on instant messaging please read: Instant Messaging (SparkleIM)



## Address book-sparklephonebook

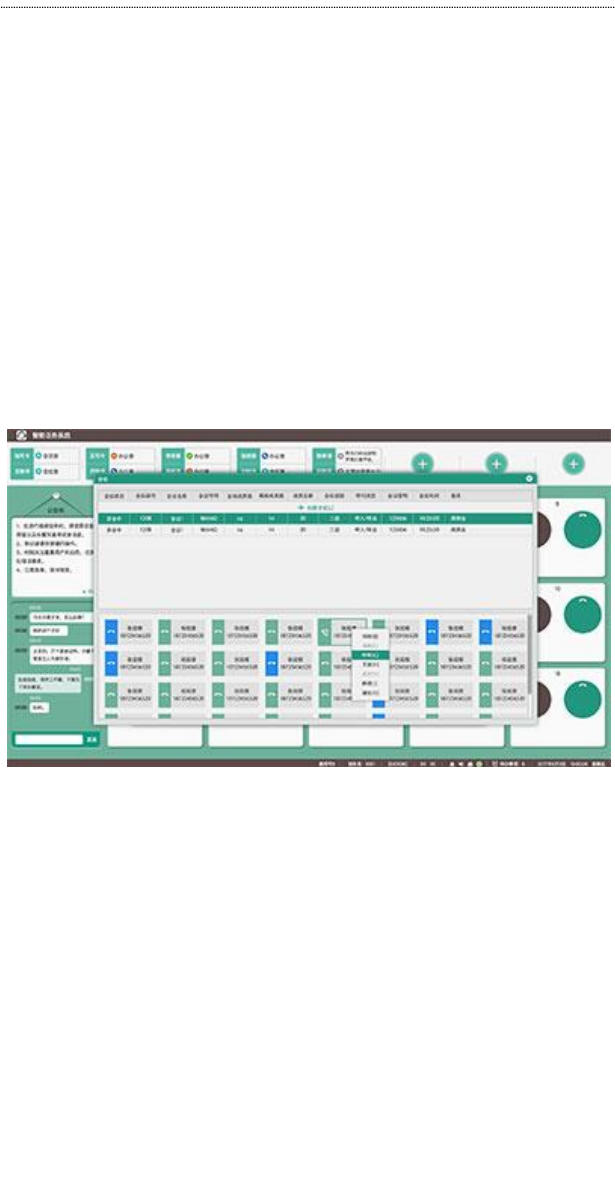
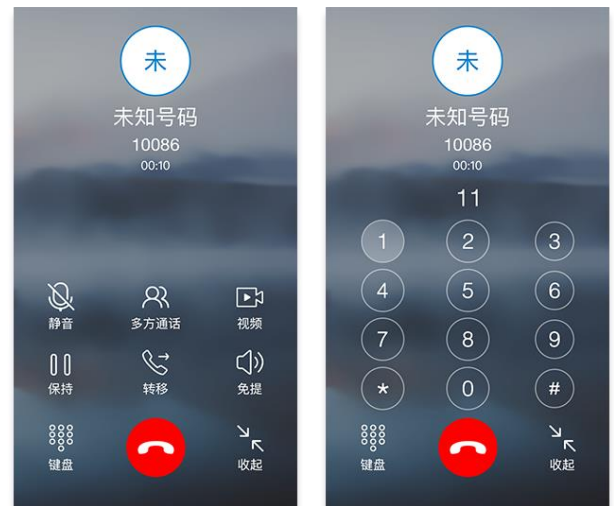
The VOIP solution integrates Address Book functions, including enterprise address book, cloud Address Book, Mobile Address Book synchronization, and friend management.

Features: 1. support to read the local address book (IOS/Android/MACOs); 2. support private cloud Address Book; 3. enterprise address book has the background web management function; 4. support multi-level organization structure; 5. support hierarchical permission control.

## Confidential calls-sparklesecphone

The secure call technology unique to laug technology supports end-to-end dynamic encryption of the client (app2app), which prevents the contents of the call from being wiretapped.

Features: Support for real-time encryption, end-to-end encryption, support for call initiation and shutdown encryption.



## Audio and video conferencing—SparkleMCU

The SparkleMCU is a video and audio conferencing MCU for software and hardware, and the conference is managed and controlled by the SparkleComm core.

Features: Open Conference Control OpenAPI, users can define the software for conference control. Or use the embedded Web-based conference control function, the control functions include: active outgoing/incoming call settings, mute, whisper, kick-out, real-time recording control, etc. The conference audio supports common audio codes such as G.711 and G.729. The video supports H.264. The client uses SparkleComm's SoftPhone, as well as a regular phone (requires an additional gateway).

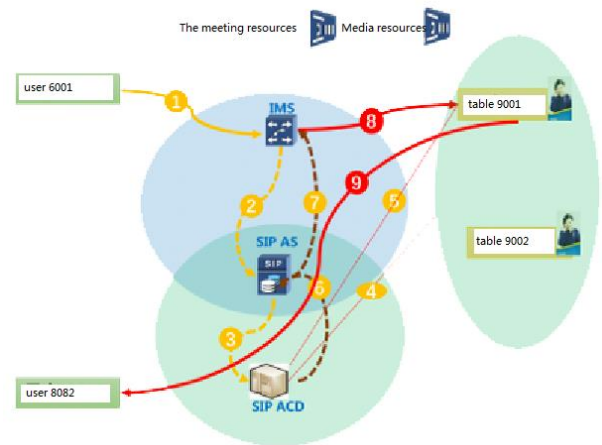
SparkleMCU includes a software-independent version that supports the Linux operating system. It also includes a hardware version with a minimum of 16 channels of hardware and a 200-way conference.

## Call Center—SparkleCC

The SparkleCC call center SparkleCC uses SparkleComm's ACD engine to implement call center functions, including ACD, IVR, and CTI.

Adopt an open interface and provide a seat system and CTI API. The seat phone can use the PC version of SparkleComm (supports Windows/macOS/Linux) for flexible control. At the same time, you can use the ordinary traditional PSTN headset (you need to configure IAD).

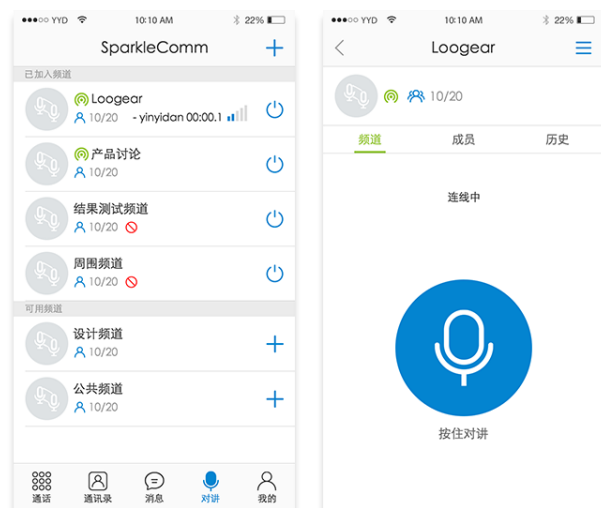
The call center SparkleCC configuration can include a software-independent version that supports the Linux operating system. Also included is the hardware version, which has a minimum of 16 seats and is sent to 100 seats.



## Mobile phone intercom -- SparklePTT

SparklePTT mobile phone intercom is the most widely used communication scheduling tool in trunk communication. It generally needs to be realized within a certain coverage through specially planned wireless communication frequency and dedicated intercom bearing tools. It has specificity and regionality. Features.

According to different usage scenarios, the system provides access support for supporting traditional analog intercom systems, that is, an analog intercom conversion gateway that converts intercom analog signals into IP signals in the network structure, and SparkleComm and analog intercom can be realized. The interconnection



	<p>of the terminals avoids the emergence of communication islands. At the same time, users can add optional solutions in the use of equipment and the advantages of analog digital intercom.</p>
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<h3>Flexible Network Structure</h3> <p>The VoIP solution SparkleComm uses a flexible network structure that is a carrier-class network application. Support for enterprise-level applications at the same time.</p>	<h3>Application Integration</h3> <p>SparkleComm has an open architecture that allows for flexible integration of applications. It can be easily integrated with existing or third-party applications. Such as workflow, teamwork, OA system, corporate mailbox, WeChat, etc.</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

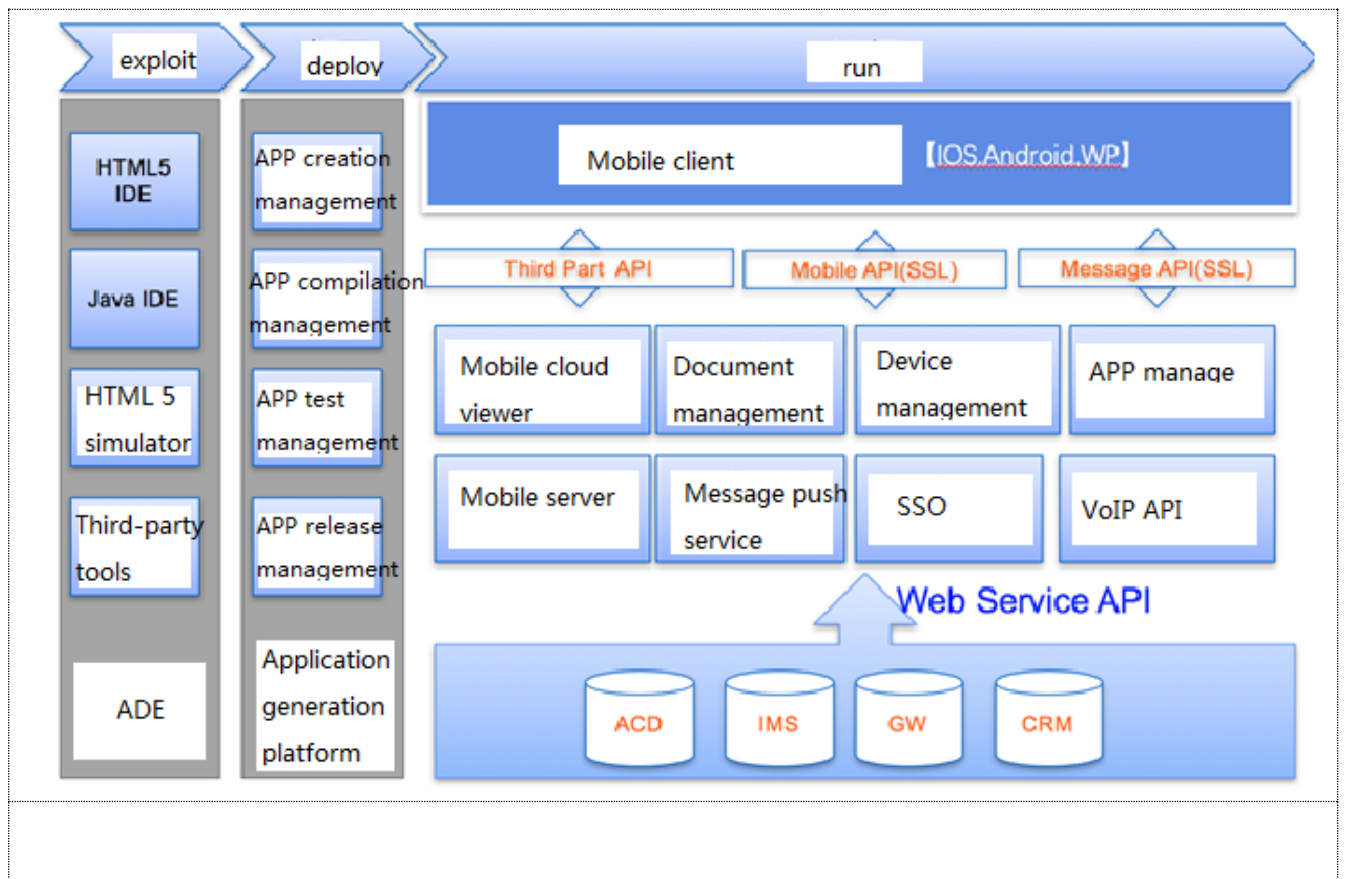
## Multi-OS support

The core component of SparkleComm adopts the most stable and reliable C/C++ development, and is currently supporting the operating system product series in the same industry. Users can choose the most suitable deployment plan. The supported operating systems include, but are not limited to, Linux/Windows/macOS/Unix/Android/iOS.

The intelligent communication solution SparkleComm has been applied in a variety of solutions among a large number of customers and partners.

CUSTOMER NAME	Solution	Notes
China Mobile	SIP client and server integrated with IMS	
China Radio and Television	SIP client and server integrated with IMS	
China Mobile	SIP video and voice solution Integrated with IMS	

XX troops	IP voice exchange scheme integrated with IMS	
ZTE	Secure mobile phone	
China Customs	Solution of video and voice contact system for customs declaration	



## Rapid mobile application deployment solution - development

01

### Developer skills

Familiar with HTML, JavaScript development can be, without Object C/C++, Java skills

02

### Platform library provision

Automatic (IOS) Object C/C++ code, automatic (Android) Java code; Automatic (multi-platform) JavaScript libraries;

03

### Customized service

(IOS) Object C/C++ framework of special functions; (Android) Java framework code special function customization; (multi-platform) JavaScript library

index parameter			
Performance indicators		compatibility	
Maximum number of channels (groups)	No limit	Client desktop operating system support	Windows 2000 / XP / Vista / 7 / 8 / 10
Maximum number of users per group	100		
Maximum number of users per dynamic group	1000		
Call setup time( LAN )	< 0.1 sec	Mobile operating system support	Android 4.0+ iOS 7.0+ Windows Phone
Call setup time ( 3G )	< 1 sec		
Call setup time	< 5 sec		



( GPRS )			
Sound quality	8 kHz to 32 kHz, configurable	Wireless network support	802.11a/b/g/n, GPRS, EDGE, 3G/4G
Minimum bandwidth requirement	8 kbps		
Maximum number of users per server	Unlimited, multi-server overlay	Service-Terminal	Linux / Windows server
Minimum server CPU requirement	500 MHz		

## Chongqing Loogear Tech Co., Ltd.

( <http://www.loogear.com> )



Address: Juxing Technology Building, Yubei  
District, Chongqing

phone : +86 023 6305 7989

+86 400 101 1681

fax : +86 023 6306 5521

Email : Technical Support :

[support@loogear.com](mailto:support@loogear.com)

Product sales :

[sales@loogear.com](mailto:sales@loogear.com)

Partner : [partner@loogear.com](mailto:partner@loogear.com)