

# Mizutech VoIP software solutions

The Mizutech company has a **decade of experience in the field of voice over IP communications**, and a broad range of experience with many VoIP related products and have proven their reliability at numerous companies. Our technology now powers hundreds of varied VoIP providers in **more than 30 countries around the world**. We provide business solutions to all corners of the world, from individuals to large enterprise organizations. Our client and server side software are *based on the **proprietary Mizutech SIP/H323 and media stack***.

## All in our VoIP system

Start your business immediately offering your clients the largest sets of tools to access your server. The Mizutech server is built with cutting-edge technology designed for high throughput, reliability, with exceptional functionality.

Target different customer bases using different business approaches to sell your VoIP service. Give your users the possibility to call from anywhere using a whole range of different devices and methods.

The main **advantages** of using our “all-in one” system are the following:

- Get a complete solution for all your VoIP related business
- Highest possible voice quality using Mizutech server and client side media enhancements
- Continuous technology upgrades keeps you on the top of the VoIP market
- Lowest price with best ROI. Much better costs than it would be hosting on your own server
- The advantage to have all software from one provider (better compatibility, simplified management, simplified support)
- Start your VoIP business in the quickest time possible (the startup time can be between 1 hour to 2 days, depending on your needs)
- Strong support that will help you in all VoIP related technical and business related doubts
- Automatic price reduction as hardware/bandwidth cost decreasing; no need for renegotiations
- Easy to use reliable service with 99.9 uptime guarantee

Your users will be able to access the VoIP platform **capabilities** by the following methods:

- End-user website (with direct call capability)
- Any SIP capable device (ip phones)
- Calling card
- Prepaid cards
- Call directly from any browser without installing any software (webphone)
- Client application running on mobile phones
- Softphone calls (using a customized mizu softphone with your brand)
- Callback
- P2P calls: by using the phone to phone feature, clients are enabled to create low cost conversations between traditional phones
- SMS callback
- Callshops
- Windows desktop and web based admin access
- Payments via recharge cards, credit cards, PayPal, pin codes, etc
- and other methods built over our server API

The following softwares are **included in the package**:

- [VoIP server](#) with all features (billing, ivr, sms, etc)
- [Mizu manage](#) –remote admin client

- [Softphone](#) (branded build with unlimited license)
- [Webphone](#) (branded build with unlimited license)
- [Android softphone](#) (branded build with unlimited license)
- [iPhone softphone](#) (branded build with unlimited license)
- [Symbian softphone](#) (white label with unlimited license)
- [Mobile client](#)
- [Web interfaces](#) (end-users, reseller, callshop)
- [Callcenter](#) (optional)
- [VoIP tunnel](#)
- [Managed server hosting](#) (optional)
- [Mizutech support](#)



## VoIP Server

Mizu Softswitch is a full featured, customizable VoIP server system combining ease of use with high stability and throughput making it a perfect choice for enterprise VoIP service providers, carriers but

also for telecom startups and small business companies who wish to launch a VoIP business with their own brand name.

The main modules include:

- **SIP and H323 stack (voice + video + presence + messaging)**
- complete, flexible prepaid and postpaid **billing** and e-payment
- Class 4 and 5 capabilities (call transfer, forward, conference and many others)
- callcontrol, AAA and **routing**
- user and DID management
- media service (RTP/RTCP, NAT handling, conf mixer, etc)
- **calling card** and callback
- SMS (in/out)
- flexible IVR
- callshop
- reseller module
- encryption and tunneling
- supervisor (watchdog service and alerter client)
- callcenter: CRM and predictive dialer (optional)
- softphone, webphone and mobile clients (optional)
- web interface
- remote admin client (MizuManage)

The Mizu VoIP server will offer you a feature complete solution out of the box for various type of VoIP businesses:

- Wholesale platform
- Retail business platform
- Calling card services
- Broadband VoIP services
- Used as B2BUA
- DID origination consumers
- IPcentrex and virtual PBX solution
- Multiple virtual servers on the same box
- Callcenter platform with built-in CRM and operator client
- SaaS service
- Phone to phone services
- PC to phone services
- PC to PC and unified communication services
- Any 3rd-party sip device, softphone, ATA, Gateway, IPPhone, SIP Proxy, Registrar and SBC supported
- Callshop
- Pre-paid phone cards
- Callback
- SMS
- Softphone and webphone connectivity
- VoIP encryption and tunneling to bypass all VoIP filters (e.g. UAE)
- Can be used as SBC
- and others

## VoIP Tunnel

By using encrypted VoIP transport users will be able to communicate confidentially and your VoIP traffic cannot be sniffed and blocked by third party agencies or corporate firewalls.

Mizu VoIP tunnel is a special VoIP software whose task is to encrypt all communication from/to the clients and to forward the calls to your server(s) using the common SIP protocol. The UDP level **encryption will not add any overhead to your network traffic** and can work completely transparent. If necessary then will automatically switch to TCP or HTTP. Several ISPs, Telco's and countries like UAE, Dubai or Oman are filtering VoIP or degrading the media in order to force a consumer to use their own VoIP or traditional PSTN services.

Using Mizutech built-in encryption you can forget all about these issues. These solutions can work in VoIP networks provided by Mizutech or can be seamlessly integrated in your network without any configuration change in your existing servers. The encryption will allow **VoIP usage in any countries bypassing VoIP filtering** (unless srtp encryption which can be easily detected by VoIP filters). The Mizu VoIP tunneling solution is suitable for ITSP, carriers, wholesalers, resellers and voip service providers.

## MizuWebSIPPhone

The Mizu-WebSIPPhone is a lightweight standard based VoIP phone software that is running in the **browser** embeddable in any **webpage**. Based on the industry standard SIP protocol, it is compatible with all VoIP devices and services. It can call any other SIP soft phone / IP phone (for free charge) or any landline and mobile number via a VoIP service provider of your choice. The phone is implemented as a **java applet/application** and it is completely platform independent running on any java enabled browser under all OS (Windows, MAC, Linux, Solaris). It can be used as a normal softphone running on your website or as Skype-like buttons (Click to Call). The called person can accept the call on a VoIP device (soft phone, IP phone, call-center application) or can be contacted directly on their landline or mobile phone numbers. All usual call routing features can be enabled (call forward, call transfer, etc) With Mizu-WebSIPPhone you can quickly add **VoIP capabilities to your website**. (homepage, blog, forum, support/sales page, social networking site, callcenter, etc). The rest is up to your imagination.

## Windows softphone

Mizu Softphone (MizuPhone) is a professional VoIP softphone based on the open standard SIP protocol with an easy to use interface for the Microsoft Windows operating system (XP, Win7). With MizuPhone you can connect to any SIP (proxy and/or registrar) server on the public internet or on your local area network. For VoIP beginners: MizuPhone is an internet phone software to make real calls using your PC. The Mizu VoIP Softphone will integrate seamlessly with your desktop without disturbing you in your everyday work. While you are not in call or chat, it is listening in the background for incoming calls without any impact for your system performance.

## Android softphone

MizuDroid is a VoIP softphone for **Android** mobile phones based on the SIP protocol standards. This Android dialer is meant for VoIP service providers and easy integration with existing VoIP servers offering branded version that can be downloaded from providers website or offered via the Android Market.

The signaling and media engine is based on Mizutech' proprietary SIP/RTP stack. MizuDroid works

seamlessly with other Mizutech server and client side solutions, as well as with enterprise and carrier infrastructure equipment like Asterisk, Audiocodes, Cisco, CounterPath, Voipswitch, PortaBilling and others. MizuDroid is free for non-commercial use. Search for "MizuDroid" in the [Google Play \(Android Market\)](#) from your phone.

## IPhone softphone

MizuPhone for iOS is a simple to use SIP softphone for iPhone, iPod and iPad devices with the best possible call quality and reliability.

## Symbian softphone

MizuPhone for Symbian is a simple, easy to use dialer for the Symbian (Nokia, Samsung, etc) platforms based on the SIP protocol standards.

White label version are available for VoIP service providers (including unlimited usage with G.729 codec)

## Mizu Call Center

MizuTech Callcenter can handle huge amount of inbound and outbound traffic, in a secure, reliable way. The Mizu callcenter combines maximum efficiency with easy to use and intuitive interfaces. Separate campaigns can be set up; each of them running separately assigned scripts with graphical user interface for both the operators and the supervisors. By defining quotas, you can restrict your calls to well defined target groups (called clients). All the call-center related statistics can be viewed in real-time. One of the features of the callcenter is predictive dialing. To restrict the operator wait times, the calls can be prepared on the server side and dropped to operators when they are waiting for it. A separate application is used by call center operators as a sip client and database frontend, the MAgent application. It has a simple VoIP client window where the operators are free to make calls to any number presented in the central database, it can handle automatic calls (will handle calls automatically if the operator is part of a campaign) and it features automatic software upgrade, refreshing itself whenever new features are deployed.

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## Call Shop

The Mizu [Callshop](#) solution is integrated with the Mizu Softswitch or can be purchased separately. From Mizutech you can have all the VoIP software to start call shops / internet cafes and provide high quality low-cost phone calls to your customers anywhere in the world. Service providers can manage multiple callshops with Mizutech All-in-One solution.