

Carrier Grade Soft-Switch & Billing Platform

The logo for iTel switch plus is centered within a white, rounded, irregular shape with a thick orange border. The word "iTel" is in a small, green, sans-serif font. The word "switch" is in a large, orange, rounded font with a black outline, and the letter 'c' contains a green arrow pointing to the right. The word "plus" is in a small, black, sans-serif font.

iTel
switch plus

REVE Systems

www.revesoft.com

REVE Systems started in 2003 with a focused approach to serve IP based communication industry. It has a wide assortment of products, ranging from backbone infrastructure to peripheral products, including middleware. REVE Systems today holds leadership position in Mobile VoIP and Soft-Switch & Billing solutions.

An ISO 9001:2000 certified telecommunication & software solution provider, REVE Systems ensures the best returns on technology investments and strengthens the service providers' market presence by providing them with the best-in-class VoIP solutions. We have a large pool of engineers who are experienced and well trained on a widely varied environment and cross vendor platforms. This enables us to provide 24x7 Platinum Level Support to all our clients and to ensure that their services are always available to their end customers.

REVE Systems is a Symbian foundation member, part of the iPhone developer community and Nokia developer forum. These provide us the first hand access to industry developments and help us to bring new products at the right time. Our Headquartered in Singapore, REVE has its major development center in Bangladesh and branch offices in India and the United Kingdom. We currently service customers in over 65 countries, where more than 1250 VoIP and telecommunication service providers have placed their trust on us.

**Serving 1250
Service
Providers
across 65
Countries**

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iTel
switch plus
2.0



iTel^{plus} switch 2.0

Carrier Grade Soft-Switch

with Integrated Billing

**Industry's most
secured Soft-Switch**

**800 +
concurrent
calls in
standalone
server**

iTel Switch Plus is a highly secured and versatile soft-switch platform with integrated billing. This has been designed to suit VoIP service providers with retail and wholesale operations, irrespective of their scale of business.

**20,000
concurrent
calls on
distributed
architecture**

iTel Switch Plus can be deployed in a single server platform as well in a distributed architecture. Its scalable and redundant architecture makes it suitable for large IP carriers, while its standalone version enables medium to small service providers an easy start of operation.

Industry's most secure Soft-Switch

Employing Multi-Layered Secured Access Control

Dual Level Protection

IP and Password based authentication, thereby making it very secure from hacking attempts

NGN

Never Go Negative



Next generation billing feature which prevents user account balance from going negative

Creating new benchmarks with unmatched features

Never Go Negative

Never Go Negative is a feature that prevents user account balance from going negative. This next generation billing feature is specially designed to prevent loss and maximize profit by keeping an eye on account balance. Hence, you can stay positive as the user balance never goes negative.

'N' Level of Resellers Creation

iTel Switch Plus gives you the flexibility to create 'N' level of resellers from any level. Being a soft-switch owner, you can also assign different roles and rights to the resellers, as per requirement.

Single PIN for all call origination devices

With iTel Switch Plus, your end users can use any PIN for multiple call origination devices, like PC Dialer, Mobile Dialer, IP Devices or calling card platform.

Supports IVR in multiple languages

iTel Switch Plus supports IVR (interactive Voice Response) in multiple languages.

Runs behind NAT or on private IP

In association with iTel Byte Saver (REVE's proprietary technology), iTel Switch Plus can work behind NAT (Network Address Translation) or Private IP.

Helps prevent profit drain

Account balance never goes negative

It's EASY!



We Believe in Keeping it Simple

**Reseller
friendly User
Interface**

Now with improved User Interface

iTel Switch Plus, which comes integrated with iTelbilling interface has an amazingly simple and easy to user interface

Handle multiple soft-switches from single billing interface

iTel Switch Plus comes integrated with iTel Billing, which allows user to handle multiple soft-switches from single billing interface.

Single PIN for all call origination devices

iTel Switch Plus allows you to use single PIN for all call origination devices, like Mobile Dialer, PC Dialer, Calling Card and IP devices. Now one doesn't need to go through the hassle of keeping different PINs for different devices.

View Live Calls without the need of server log-in

With iTel Switch Plus, you can view your active call reports without the need of server log in, thereby making it very user friendly for switch owners.

Multiple Routing Options to choose from

iTel Switch Plus has adaptive routing feature that means if any route is offline, it is detected prior to routing a call and hence calls are not sent over that route. This feature makes call handling very efficient.

- **Single PIN for all call origination devices**
- **View live calls without the need of server log-in**

iTel
switch^{plus} 2.0

Quick and Easy Migration from other Soft-Switches



Easy Migration from your existing Soft-Switch

We have tools available to ensure that when you migrate from your existing soft-switch to iTel Switch Plus, there is minimum downtime to your service and that your clients are not inconvenienced. Resultantly our easy migration tool ensures that you are able to migrate from your current soft-switch to iTel Switch Plus, along with your real time database, in a matter of few hours - thereby ensuring that nothing changes for your clients and there is minimum downtime

Are you using any other Soft-Switch?

Migrate to iTel Switch Plus in just few hours

Migration procedure from existing soft-switch to iTel Switch Plus

- Soft-Switch owner provides the access of the existing Soft-Switch database to REVE and migration process is initiated
- Our engineers match the old database with the iTel Switch Plus database and install the converter application in client's database
- Existing database is processed through the data migration application and converted into the format of iTel Switch Plus database
- Once the migration is complete, you migrate from your existing soft-switch with full details of all customers PIN, Call Detail Records, reseller details and balances

This ensures that your customers face no changeover hassles and their usage experience of your service remains unchanged

**Easy Migration
with REVE's
Migration Tools**



Mobile top-up and Voice calls from same PIN

Now offer Mobile top up facility to all your clients from the same PIN

Mobile Top-Up is a feature in iTel Switch Plus 2.0, which allows your customers to recharge any mobile phone, anywhere in the world using the same pin which they use for voice calls. This facility empowers your customers with the ability of mobile commerce from their VoIP account.

Recharging a mobile number using MTU

- Log-in to your iTel Switch Plus control panel and click on 'request a top-up' link and then 'Top up' link available under 'Mobile Top up'.
- You'll be taken to 'Add Top Up' page. Please fill-in required areas, click on 'submit' button.
- Confirm again and you are done.
- Once the mobile top up is done, the recipient and soft-switch admin are confirmed by an e-mail or a SMS.

Offer Mobile Recharge facility to any country

iTel ^{plus} switch
Server Time: 19-04-2011 12:10:34 GM T

Welcome Sazid L1: Your Balance: 234 USD; Status: Active
Home | Logout

My Profile | Recharge Client/Reseller | Recharge PIN | Recharge History | Active Call | Call Log | Monitoring Graph | Profit Summary

Client

- ▶ Manage Client
- ▶ Manage PIN

Voice Rate Plan

- ▶ Rate Plan

Mobile Top Up

- ▶ MTU Rate Plan
- ▶ Request a Mobile Top Up
- ▶ MTU Rate Calculator

Report

- ▶ Operational Report
- ▶ Finance & Accounts Report
- ▶ Mobile Top Up Report

Profit Summary Client Wise Last 7 Days Report

Report Span Last 24 hours 48 hours 1 week 1 Month Custom Date Range

Report Type Client Wise Destination Wise Hourly

Activity Type	SL	Client	My Selling Amount	My Buying Cost	Profit
Voice	1	Sazid L2	0.05	0.04	0.01
	2	91786	0.26	0.26	0
	3	91209	0.32	0.32	0
	4	91499	0.48	0.48	0
	5	73375	0.72	0.66	0.07
	6	91175	0.12	0.12	0
	7	ABC838	0.32	0.32	0
	8	ABC743	0.07	0.07	0
	9	ABC246	0.37	0.37	0
	10	ABC880	0.19	0.19	0
	11	ABC193	0.29	0.29	0
	12	ABC025	0.24	0.24	0
	13	ABC746	0.22	0.22	0
Sub Total			3.64	3.57	0.07
Activity Type	SL	Client	My Selling Amount (USD)	My Buying Cost (USD)	My Profit (USD)
MTU	1	77066	0.3	0.27	0.03
Sub Total			0.3	0.27	0.03
Grand Total			3.94	3.83	0.11

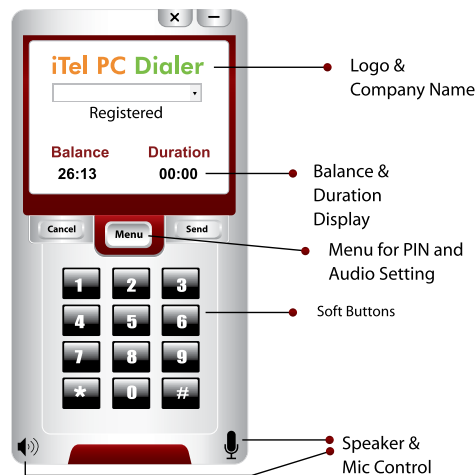
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**Can Pass through
any firewall in
combination with
iTel Byte Saver**

iTel PC Dialer

The Best Desktop Client to Make VoIP Calls

iTel PC Dialer is an ideal solution for making VoIP calls from PC. It is a soft application which can be easily installed on a PC or laptop to make calls over IP networks. iTel PC Dialer is compatible with all standard SIP soft-switches.



Important Features

1. Full branding option comes with iTel PC Dialer. Look and Feel of the dialer can be fully customized according to service providers' choice.
2. Can work with any standard soft-switch. For example, it works smoothly with Asterisk, VoIP Switch, DIGITALK, Nexgen, Porta and iTel Switch Plus etc.
3. Easy control of speaker and microphone volumes
4. End users can see their balance on balance display panel with the help of minimize button, dialer can be kept running in back-end while not in use.
5. Call log facility for all successful calls
6. Phonebook integration
8. It supports G729 and G711 codecs
9. Use of efficient echo-cancellation feature
10. It uses comfort noise generation technology for better end users' experience.

**Can work
smoothly with
any standard
SIP soft-switch**

**Available in
your own brand**

Reliable Billing Platform for IP Carriers

Internet telephony is a very competitive business; whether it is wholesale minute exchange or retail calling cards, internet telephony service providers (ITSPs) are facing tough competition every day. This competition has undoubtedly caused a need for a comprehensive business tool to serve as the most secure business tool for ITSPs. iTelBilling is a very powerful and flexible software that enables the ITSPs to grow and prosper in this challenging environment by managing their business efficiently. In addition to being powerful and flexible, iTelBilling is intuitive and easy to use.



“We are using iTel Billing platform for many years and we are absolutely delighted with the quality of support . This is critical for our business”

Vialtex Procom
SRL Romania

Features

Versatile & Flexible: iTelBilling supports all models of Internet Telephony business: Retail Origination (from calling cards, call shops, devices, PC/Mobile Dialers), Wholesale origination and termination. iTelBilling also provides support to Interactive Voice Response (IVR) in integration with the Switch.

Prepaid & Postpaid Billing: iTelBilling supports both prepaid and postpaid business models and caters to the needs of operators for maintaining large number of billing plans, for their customers.

Retail & Reseller Re-charge: iTelBilling allows easy recharging of prepaid accounts/ PINs and updating retail/ wholesale balances of resellers seamlessly.

Secured Billing Interface: iTelBilling prevents unauthorized access to the system by providing highly secured platform to operators. Both the access to call control and the users access to the system are highly secured. In addition to password, operators also may specify the IP or a list of IPs from which the operator wants to allow access to the system.

iTelBilling
Platform is used
by both Retail
& Wholesale
Carriers



Easy User Interface

iTelBilling has an extremely user friendly interface, which allows service providers to do their billing operations very easily ; be it collecting Call Detail Records (CDR) for each of your clients; generating invoices; editing/adding of rate plans or adding resellers, they are all possible in minimum clicks. Easy GUI coupled with clear instructions makes it very simple to use.

Monitoring & Reports

Using the monitoring and reporting tools of iTelBilling, service providers can monitor profitability of routes and gateways in real time. One can generate reports by customer, by destination or even by region. This comprehensive monitoring tool helps ITSPs identify the most profitable routes and take business decisions quickly. Apart from this, there are options to generate customised reports.

Other Key Features

- Flexible Rate Input System.
- Allows multiple number of resellers and levels
- Allows real time system performance monitoring.
- Allows fault detection.
- Supports Multi-Lingual IVR.

Server & System recommendations

Supported OS: Windows 95-XP,Vista, Windows 7, Linux/Unix

Browser: Internet Explorer 5 or higher, Netscape 6.2 or higher, Mozilla Firefox 1.0, Safari, Google Chrome or any web-browser supporting DOM and with enabled JavaScript.

Server: Quad Xeon Processor, 2.8+ GHz, Memory 4GB, Disk Size 120 GB+

iTelBilling-Switch Compatibility List



Secure & Easy User Interface

“One of the great features of iTelBilling is the easy user interface. This is very easy to understand for our employees and serves all our requirements”

30 Degrees East Telecommunication South Africa

iTel Byte Saver allows VoIP calls to pass through any firewall or blockage. It works on our proprietary technology of tunneling. It establishes a tunnel between the iTel Mobile Dialer Express/ iTel PC Dialer and itself to bypass any blocked network and allows VoIP calls to go through.

It also reduces bandwidth consumption by more than 50% at the origination end, making it the ideal product for GPRS/ 2G networks where bandwidth availability is low.

iTel Byte Saver prevents one way voice problem by providing NAT support to iTel Mobile Dialer Express and is also able to detect a hung call and drop the same. It also helps end users switch between their mobile data and Wi-Fi connections on a running call, without dropping the call.

- Can change tunneling protocol dynamically without bothering end users
- Prevents billing disputes by detecting hung call
- Makes voice smoother by controlling RTP packet size

Important Features

- Can pass through almost any firewall using dynamic protocol tunneling
- Compatible to any standard IP switch
- Supports G.729 codec
- Ability to handle upto 800 concurrent calls per server
- Outstanding RTP jitter management
- Compatible with all versions of iTel Mobile Dialer Express, iTel PC Dialer and iTel Pin Protector
- Ability to control RTP packet size according to specific network requirements
- Saves more than 50% bandwidth at the origination end. It can lower bandwidth usage for a live call on G729 codec, to as low as 9.15 Kbps, making it ideal for low bandwidth scenarios

Can pass through any known firewall while saving 50%+ bandwidth

iTel Platinum Support
www.itelsupport.com

24/7
LIVE CHAT



In order to provide 24x7 technical support to our global client base, we have a pool of trained engineers working round the clock and a dedicated online portal to facilitate interaction with our customers. Our engineers have vast experience in VoIP domain and trained on cross vendor platforms.

Our systems and processes, which are ISO 9001:2000 certified, have been developed to provide unmatched quality of service to our clients which ensures that their services are always available to their end users.

iTel Support Portal has the following facilities:

1. Online trouble ticket system for complaints
2. 24x7 Live chat with support engineers
3. Complete view of history of all support requests to customers
4. Automated self provision tool, which allows customers to change IP/Port and other settings of their software
5. View live reports like concurrent registrations on mobile dialer platform
6. Manage customer account information and get product upgrade/new product notifications

“Customer support of REVE Systems is extra ordinary. They are available round the clock to solve our problems.”

**Acevillia
Development
Corporation
Kenya**



**Dedicated
support portal**
www.itelsupport.com

**Support team
can be reached
through ticketing,
live chat,
e-mail or phone**

Mobile VoIP Product Range



A mobile application which allows the consumers to make VoIP calls from their mobile phones.



A mobile application which makes using call back services simpler from a mobile phone



A software application which allows you to offer Mobile VoIP solutions on low end symbian handsets



An application which prevents fraudulent use of PIN or hacking, based on IMEI authentication of mobile device

For more details, please visit
www.itelmobiledialer.com

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