



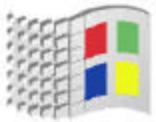
## INTRODUCTION

For companies who offer or are planning to offer long distance service in the form of prepaid calling cards, post paid accounts, ANI/PIN based prepaid accounts, and ANI/PIN based post paid accounts, the CardSaver™ software is the comprehensive system that they need.

CardSaver™ is an industry-leading, cost-effective, Windows-based software that connects to industry standard IP Gateways, such as Cisco and Quintum. The software runs on a standard Intel Pentium / Xeon based system that supports the Windows Server series operating systems and the industry standard Remote Authentication Dial In User Service (RADIUS) protocol. RADIUS protocol is the de-facto standard for remote authentication, authorization and accounting (AAA).

The CardSaver™ software is currently used throughout the world for both wholesale and retail telecom businesses.

## WINDOWS BASED



The CardSaver™ Software runs under Microsoft Windows Server / Professional Series Operating Systems. This makes it simple for you to operate your system and use your knowledge of the Windows software.

## PREPAID CALLING CARDS



The CardSaver™ software can be used to process prepaid calling card calls. The CardSaver™ software uses the card database to keep track of each calling card call. Also, the Random Numbers Generator module of the software allows you to generate PIN numbers for your calling cards.

## ANI BASED CALLING

The CardSaver software can be used to process calls based on the Caller ID of the caller. In this case, the caller does not have to enter any PIN. You may set up the account to work on prepaid or postpaid basis. In the case of Prepaid, the subscriber must have funds deposited. In the case of postpaid, you simply send a bill to the subscriber based on the information you receive from CardSaver.

## INTERACTIVE VOICE RESPONSE (IVR)

All system users are authenticated via RADIUS/AAA procedure that collects and checks PIN information, account balance information, and dialed number information. Based on the outcome of the RADIUS/AAA procedure, users are authenticated, authorized, and billed. The IVR and Radius solution is a turnkey solution that does not require modifications to function.

## SUPPORTS IP PHONES

CardSaver™ supports H323 based IP Phones. CardSaver™ can authorize calls from these phones using their unique ID allowing you to securely provide both pre-paid and post-paid solutions for IP Phone customers.



## RADIUS SERVER

CardSaver™ is compatible with the Remote Authentication Dial In User Service (RADIUS) enabled VoIP Gateways. This protocol is used by most of the VoIP gateways manufactured by companies including Cisco and Quintum.

## WEB AND CGI APPLICATION SERVER

The CardSaver™ software allows you to provide seamless Web integration for the calling card, ANI, and Wholesale applications. Full support for user profiles, account management, and customer support is provided via Web. The security mechanism allows the System Administrator, Card Distributor, Customer Service Rep, and the User or Card Holder to use separate web interfaces. From a web browser, the System Administrator may set agent accounts, change passwords, and set or change the Rate Tables. A distributor, from his browser, may view his call counts and see the account summaries. A Customer Service Rep may view call logs, issue limited credits, and inform customers of their remaining balance. A User or Card Holder may view his account balance and browse through the details of all calls that he has made.

## BILLING SERVER

The Billing Server module of the CardSaver™ software allows you to generate bills for your customers. All of your Resellers and Distributors may use their Internet browsers and perform all the functions required to maintain their card accounts.

## MySQL DATABASE

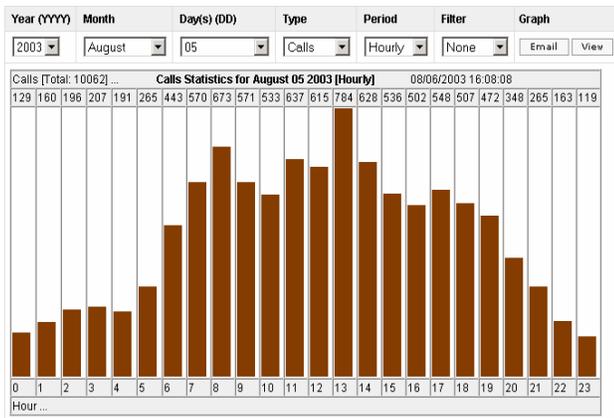
The CardSaver™ software uses the MySQL database engine. MySQL is a high performance, high capacity database that is one of the easiest databases to manage and use. CardSaver™ provides a convenient database backup and maintenance utility to ensure your system's up-time and integrity.

## ONLINE CALL HISTORY AND BALANCE

Every call is logged and time tagged. For every call the following information is stored: Origination IP Address, Remote IP Address, Called Number, Calling Number, Call Duration, Seizure Time, Start Time, End Time, Disconnect Cause, Charges, and Effective Rate Table.

## ONE CLICK GRAPHICAL DISPLAYS

From your Internet Browser, you can access the CardSaver™ Administrative Panel. With a few quick clicks of the mouse, you will see the call counts and detailed graphs for the time period you select. This allows you to quickly see your busy hours, revenue generated, ASR, and average call durations.



## WEBSITE STORE FRONT

As an optional feature, CardSaver™ offers a web storefront that includes credit card integration with Authorize.net and Pay Junction. The system allows assigns each cardholder a login ID so that they may login to view their call history and recharge their accounts using their credit card.

## RECHARGE ACCOUNT OVER THE PHONE

As an optional feature, CardSaver™ offers an IVR system that allows your customers the ability to recharge their accounts via the telephone. Tied to the Authorize.net or Pay Junction platforms, this will allow your customers to use their credit card to instantly increase their balance on their accounts.

## EXTENSIVE REPORTING

CardSaver™ offers extensive reporting capabilities for both the wholesale and card account modules of the software. For the wholesale industry, you can view graphs and breakdowns based on the destination or IP Address of calls. For the card account industry, you can view reports to see the performance of your distributors. You may also view which cards were activated or expired during a particular time period. In addition, you can analyze your account holders' calls to see where and when they are calling to develop new business strategies to maximize your business profits.

## TURNKEY SOLUTION

PEC offers solutions for all levels of customers whether you have an existing platform or new to the business. PEC can provide both software and hardware to its customers whether they require a small or large platform.

PEC is proud to be an authorized Quintum™ VoIP gateway dealer.



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