Electronic Voucher Distribution 12E

GSM   LAN   Wi-Fi

Overview

VISIONTEK Electronic Voucher Distribution (EVD) is a simplified solution to purchase Prepaid Mobile Top-ups And Recharge Vouchers, Also manage Postpaid Bill Collections, Electricity(prepaid/postpaid), Water Bills, Dth Recharge, Mobile Money, Government. Tax Payments, Municipal Tax Payments, Agency Banking, through POS terminals, which are deployed at Retailer's desk. The application is designed and developed to overcome the problems associated with distribution of physical vouchers. The objective of the application is to simplify the process of voucher distribution and bill collection.

EVD is a real-time software solution that provides retailers' with an ability to recharge customer accounts by specified amount, at any time anywhere. Through this method of top-up, the operator can maintain control over the top-up denominations while still benefiting from an electronic distribution system. EVD enables retailers to mange bill payments of telecom, utilities etc which will be updated in real time.

The application offers superior commission structure by giving individual retailer commission, distributor commission and

 denomination specific commissions. The Vast number of reports helps to prepare improved MIS and decision making for Top Management.
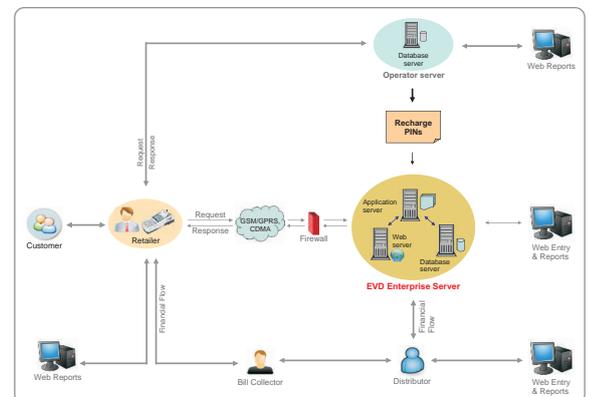
The product is available as EVD 12E.

Benefits

- One stop solution for distributing all prepaid vouchers
- Increased revenues from distributors and retailers
- Guaranteed stock
- Reduce scratch card printing, distribution and storing
- Centralized distribution and Accounting control
- Minimize fraud and theft
- Better commission structure
- Low capital investment
- Minimize the transaction cost
- Elimination of duties and taxes levied on physical vouchers
- More no. of reports for strategic planning
- More potential to sell directly to public
- Introduce more denominations
- Proven, secure and scalable solution

Features

- User defined group creation : Administrator, Distributor, Retailer and Vendor
- Web login for all users
- Selective privileges to Distributors and Retailers
- Creation of Sub-users with privileges assigned
- Specific commission structure to each distributor and retailer
- Programmable Broadcast and Advertisement messages
- Online, Offline, Bulk purchase, Buy Pin with code, print last sale features
- Pin import from Excel or CSV
- Pin migration from one denomination to other
- Added Manual settlement, Manual rollback & Auto settlement
- Pin-less recharge (e-Topup) from terminal
- Dynamically updates terminal software
- Mode of Communications : GSM/GPRS or LAN or WiFi
- Shield of unsettled PINs in the terminal
- Supports Prepaid & Postpaid (with billing) operations
- Vast number of Reports for strategic planning
- Instructive Help index

Application Architecture Diagram

Centralized distribution and inventory control	User creation with specific privileges to Distributor and Retailer	Remote software updation	Low transaction cost

Specifications

Server side Basic Requirements

Operating System	Microsoft Windows 2012 Server standard edition with SP2
Database	Microsoft SQL 2012 standard edition
Processor	Intel xeon(Quad core) 2.0 GHZ & 12MB cache &1333Mhz FSB
RAM	Min 32GB
Hard disk drives	600GB x 5 (swap SAS drives)
Power Supply	Dual redundant, hot swappable
Tape Drive	For backup purposes
Redundancy	Dual-redundant servers Hot take-over functionality
Webserver	IIS
Web Browser	Microsoft Internet Explorer V 6.0
Framework	Dot Net 4.0 & Above
Office	Microsoft Office 2010
Others	Antivirus Adobe Acrobat

Administration Interface

Administrator Levels	■ Local Login : Root, Administrator ■ Web Login : Administrator, Distributor, Retailer, Vendor
Administrator Security	■ Administrator password to login in
Distributor Management	■ Creation / Modification of Distributor details with individual logo and commission ■ Privileges to individual distributor ■ Activate / Deactivate assigned denominations
Retailer Management	■ Add /Edit Retailer details with category and terminal configuration and updating of credit, commission, customizable banner etc.
Denominations	Denomination details are classified into ■ 2 Subcategories (Top up & RCV) ■ 20 denominations for each sub category ■ Specific Commission for each denomination ■ Programmable instructions ■ Types : Airtime Vouchers, International calling cards and Internet Vouchers
Additional Functions	■ Manual settlement ■ Manual rollback of unused Pins ■ Auto settlement ■ Remote updating of terminal software
POS Terminal Management	■ Assign to Retailer ■ Updating current balance ■ Adding credit limit

Configuration of the Terminal	■ Remote configuration of terminal software and vendor logos
Operations	■ User creation with privileges assigned ■ Programmable Broadcast message to individual retailers ■ Pin migration from one denomination to other through System Administrator login
PIN Import	■ PIN Import from excel / * CSV file with pre-defined file format ■ Encryption /decryption of PINs in database
Reports	■ Consolidated reports for Pin details, Stock details, distributor details, Retailer details, Manual settlement, manual rollback etc
Web Reports	■ Distributor balance details, Retailer sales details, Distributor and Retailer daily sales etc

Performance

Communication	■ Wireless : GSM/GPRS(3G, 2.5G, 2G), Wi-Fi ■ Wire : LAN The above communication types supports 3-5 transactions per minute (dependent on transaction type, Communication bandwidth, No. of concurrent users and Data volume in the database) Tested concurrent users : 250

Client/POS Terminal Connectivity

GSM	■ 2 Mbps line with Static Public IP for connecting over GSM / GPRS
LAN/Wi-Fi	■ 2 Mbps line with Static Public IP for connecting over LAN/Wi-Fi

Client Specification

Desktop POS Terminals	■ VISIONTEK GL-14 POS (GSM / GPRS or LAN/Wi-Fi) Note : Number of terminals limited only by license agreement
Administration Security	■ Sophisticated password protection for login and configuration
Menus Structure	■ An user-friendly menu structure with Application, settings and configuration
Operations	■ Mode of operation include Online, Offline, Bulk Purchase, Buy with code, Settlement etc.
Reports	■ Reports include - Day wise Sales Report, From - To date Sales Report and Stock Report

Note:
1. Transactions limit is purely dependant on SQL Server support and disk space.
2. Number of hits per second is dependant on the TCP/IP connection for GPRS and LAN/Wi-Fi Communication
3. Speed of the transaction is dependant on bandwidth of the connection
4. Firewall Security has to be given to the Server
5. Back up of the database has to be taken from the SQL Server
6. Training on the software is provided on request

We pursue a policy of continuous research and product development. Specifications and features are subject to change without notice.