

# Ticket Vending Solution - 18A



Smart Ticketing Terminal  
With contactless reader (RFID/NFC)

LAN | WIFI | GSM

| Select                   | ID        | Name     | User Name  | ContactName                 | ContactNo | Email |
|--------------------------|-----------|----------|------------|-----------------------------|-----------|-------|
| <input type="checkbox"/> | 100001001 | employee | customer01 | a.ahijah@visiontek.com      |           |       |
| <input type="checkbox"/> | 111111111 | customer | customer1  | ahfusa.ahfusa@visiontek.com |           |       |
| <input type="checkbox"/> | 111111112 | customer | customer2  | ahfusa.ahfusa@visiontek.com |           |       |
| <input type="checkbox"/> | 111111113 | customer | customer3  | ahfusa.ahfusa@visiontek.com |           |       |
| <input type="checkbox"/> | 111111114 | customer | customer4  | ahfusa.ahfusa@visiontek.com |           |       |
| <input type="checkbox"/> | 111111115 | customer | customer5  | ahfusa.ahfusa@visiontek.com |           |       |
| <input type="checkbox"/> | 111111116 | customer | customer6  | ahfusa.ahfusa@visiontek.com |           |       |
| <input type="checkbox"/> | 111111117 | customer | customer7  | ahfusa.ahfusa@visiontek.com |           |       |
| <input type="checkbox"/> | 111111118 | customer | customer8  | ahfusa.ahfusa@visiontek.com |           |       |
| <input type="checkbox"/> | 111111119 | customer | customer9  | ahfusa.ahfusa@visiontek.com |           |       |
| <input type="checkbox"/> | 111111120 | customer | customer10 | ahfusa.ahfusa@visiontek.com |           |       |

**OnLine Ticket Sales chart** 2013-09-24 12:56:08

Back End System

## Overview

Ticket Vending Solution (TVS) is an innovative end to end Web-based solution that offers simplified options to cut down the inventory management of pre-printed traditional ticket sales and save the passenger time & hassles.

It also helps the Management plug revenue leakages. The system aims to bring transparency in the process from a User perspective as well as the Fleet Operator's.

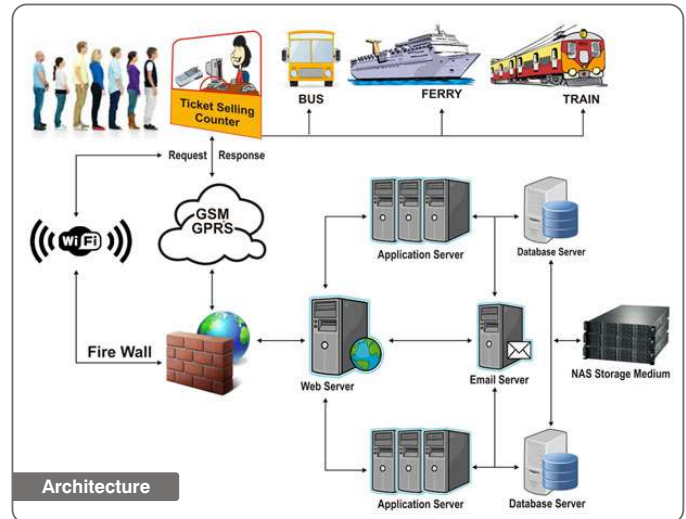
Public transport in developing economies plays a critical role. An efficient and cost effective system increases productivity and connectivity. In the twenty-first century, time is more precious than ever, and people demand products and services they can pay for quickly and efficiently.

## Benefits

- Complete online and/or Offline ticket sales
- Save time and maintain control of the entire ticketing process
- Faster and easier reconciliation
- Accept prepaid contactless card (RFID / NFC) which can deduct the amount for every transaction
  - ✓ Prepaid contactless card (RFID / NFC) program for ticket payment
  - ✓ Seasonal pass configured contactless cards (RFID / NFC) for students, senior citizens, etc
  - ✓ Ticket Validation and on-board contactless payment
- Low cost per transaction and Increase ticket sales
- Card management feature
- Introduce new price ticket denominations anytime
- Reduce pre-printed tickets cost, warehouse cost and associated costs
- Eliminate loss and theft of pre-printed tickets
- Easy journey with prepaid cards / seasonal cards to avoid the money change (coins) problem / no search for small cash to return to passenger

# Features

- Simpler, Easier, Faster
- Safe and Secure and scalable solution
- Contactless card (DESFIRE EV1 card and NFC) payment for Ticket sale with high security of the payment transaction
- Card activation and Top-Up features
- Card de-activation in case of loss of card or damaged card
- Contactless Card personalization as per the customer requirement
- Customizable receipt print format
- Contactless Card management feature
- Centralized management and security in a single system
- Event Ticketing Application (Customized tickets based upon events like movie, amusement park, sporting event and many entertainment venues)
- Reduces the opportunities for misuse
- Speedy process to issue tickets
- Fully portable and lightweight, ideal for Conductors
- Entry tickets tracked through barcode system (Ticket with encrypted barcode print to avoid fraud)
- System is designed to allow the authorised ticket passenger through access gates / turnstile by reading the secure barcode ticket / Contactless card
- User defined group creation: Administrator, Distributor, Finance team, Customer care team, POS user (conductors) and Transport Company



- POS terminal management
- Can create a bus / Train / Ferry depot details in system as Transport system
- Can create a Route map / stages name
- Can create a denominations (ticket value) between stages
- Dynamically updates terminal software
- Mode of Communications: GSM/GPRS or Wi-Fi or Ethernet
- Vast number of graphical Reports for strategic planning
- Instructive Help index
- Simple to use with short learning curve

## Server Side Specifications

|                  |  |
|------------------|--|
| Operating System | Microsoft Windows 2008 Server standard edition with SP2    |
| Database         | Microsoft SQL 2008 standard edition                        |
| Processor        | Intel xeon (Quad core) 2.0 GHZ & 12MB cache & 1333 MHz FSB |
| Ram              | Minimum 4GB  |
| Hard disk drives | 300GB x 3 (swap SAS drives)                                |
| Power Supply     | Dual redundant, hot swappable                              |
| Tape Drive       | For backup purposes  |
| Firewall         | Firewall Security has to be given to the Server            |
| Redundancy       | Dual-redundant servers - Hot take-over functionality       |
| Webserver        | IIS  |
| Web Browser      | Microsoft Internet Explorer V 6.0                          |
| Framework        | Dot Net 2.0 / 4.0  |
| Office           | Microsoft Office 2010                                      |
| Others           | Antivirus and Adobe Acrobat                                |

Note : Flexible Software and hardware can be configured based on the Ticket traffic / Solution Architecture

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

