

Handheld Terminal based Solutions

Trans v1 Mobile Data Terminal which is suitable for wide range of business applications.

A mobile data terminal (MDT) Trans V1 is a computerized device used in public transit vehicles, taxicabs, courier vehicles, service trucks, commercial trucking fleets, military logistics, fishing fleets, warehouse inventory control, and emergency vehicles to communicate with a central dispatch office. They are also used to display mapping and information relevant to the tasks and actions performed by the vehicle such as CAD drawings, diagrams & safety information.



Key Features

- ✓ Powerful transceiver to capture weak radio signaling to ensure reliable transaction
- ✓ Embedded wireless communication module GPRS and Wi-Fi (optional)
- ✓ Ergo-designed built-in PIN Pad with extra dust and water proof
- ✓ High speed thermal printer, up to 28 lines/sec, support Out-of-paper detection and Printing double-layer paper.
- ✓ Large capacity rechargeable Lion battery
- ✓ Elegant & slim design, similar to standard credit card machines used in shops
- ✓ Powerful ARM Processor
- ✓ Linux Operating System allow Multiple applications architecture
- ✓ Application software can be updated online

Trans V1 FP is a time attendance system with inbuilt GPRS and Wi-Fi modules, thermal printer along with inbuilt contactless card reader. This device comes with a fingerprint scanner as an external peripheral.



Applications

- ✓ Canteen Management
- ✓ E-Challan/Payment Collection
- ✓ Remote Location Attendance Management
- ✓ Time & Attendance Management
- ✓ Vehicle Tracking
- ✓ Inventory Management





Authentication Techniques

Fingerprint



Contactless Swipe Card



Mifare Card



EM Card



Magnetic Swipe Card

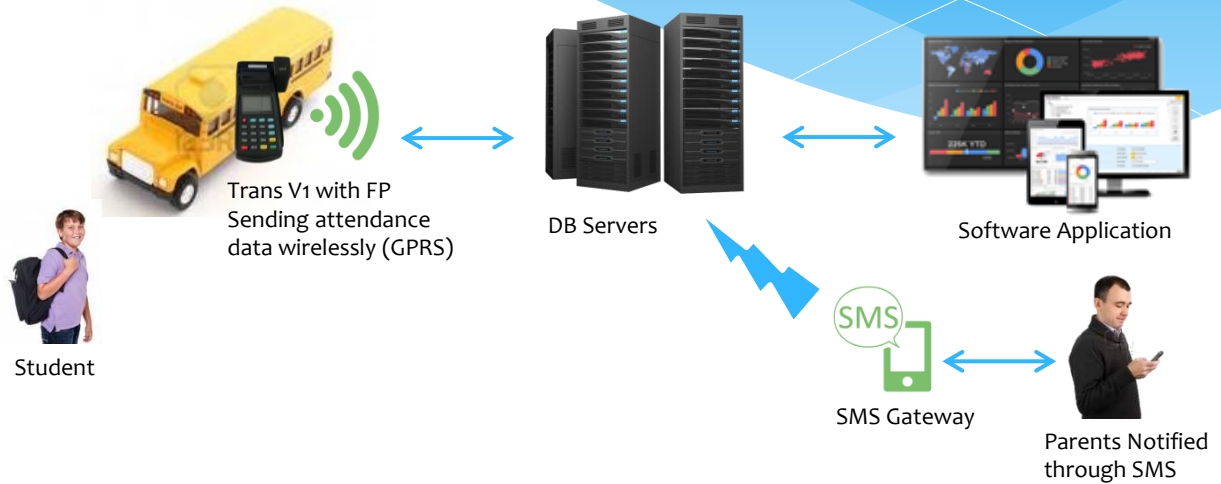


CPU	32-bit
Memory	24 MB (Flash & SDRAM)
Display	128*64 pixel LCD with LED backlight
Keypad	20 Keys(10 alphanumeric ,9 function & 1 power key)
Magnetic Card Reader	Track 1,2,3, bi-directional swappable, standards IS7811,ISO7812
IC Card Reader (Optional)	EMV Card reader
PSAM Slot	PSAM : 2 Slots
Contactless Card Reader (Optional)	Mifare technology support
Communication	GPRS (Wi-Fi Optional)
Remote Download	FTP support
Peripheral Port	RS-232
Language	English

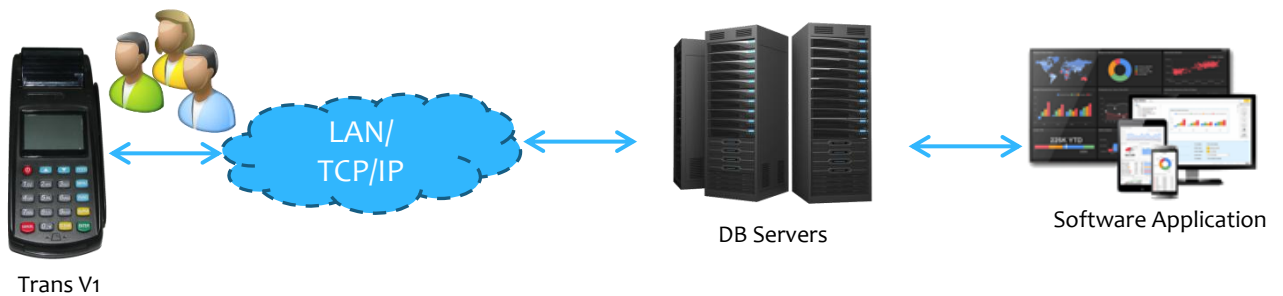
Printer	High speed thermal printer Easy-load style Speed: up to 25 lines/sec (75mm/sec) Paper width: 58 +/-1mm Paper roll outside diameter: 50mm Adjustable print gray, supports dual-layer paper,
Power Supply	Input: 10 to 240VAC 50Hz /60Hz ; Output: 12V DC , 3A
Li-ion Battery	2000mAH 35 Hrs standby time supports up to 400 transactions
Working Environment	Temperature: 0°C to 50° (32°F to 122°F) ; Humidity: 10% to 90% (non-condense)
Storage Environment	Temperature: -20°C to 60° (-4°F to 140°F); Humidity: 5% to 95% (non-condense)
Dimensions	220mm * 90mm * 65mm (L*W*H)
Weight	600gms
Optional	Leather case, backup battery, car charger
Certification	CCC ,CE,FCC,UL,RoHS,PCI,PED,EMV

System Design

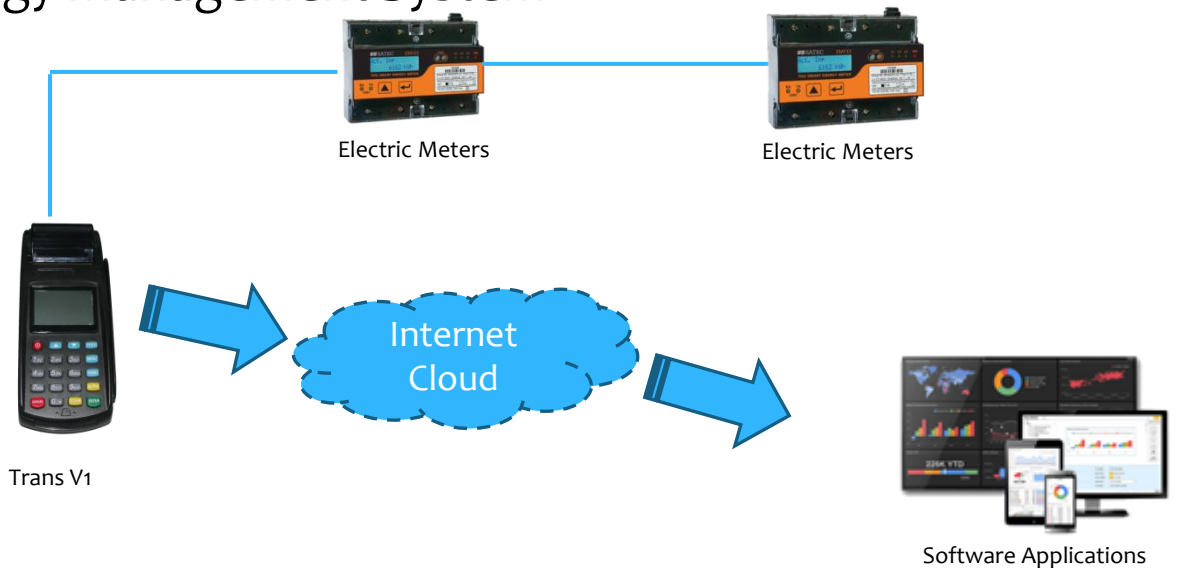
Mobile Biometric Attendance System



Canteen Management System



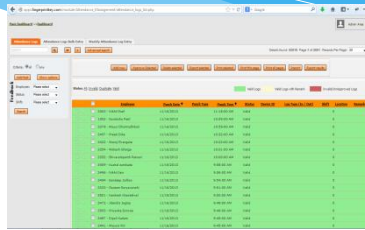
Energy Management System



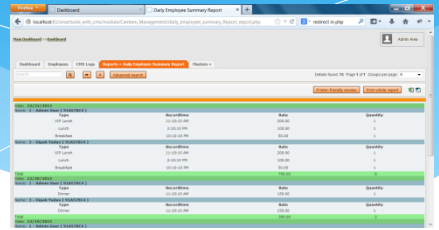
Mobile Biometric Attendance System – Web base System



Main Dashboard

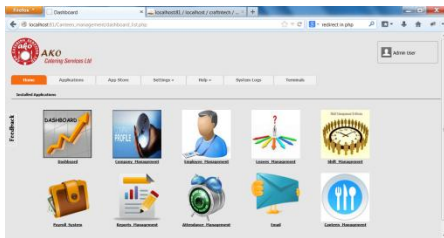


Attendance Management

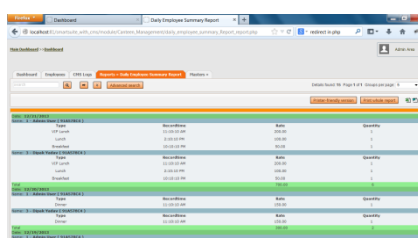


Daily Attendance Report

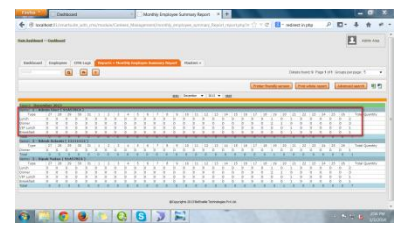
Canteen Management – Web base System



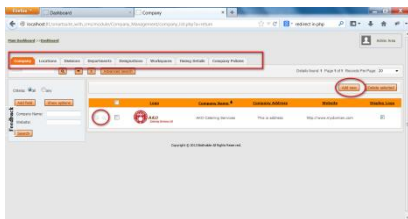
Main Dashboard



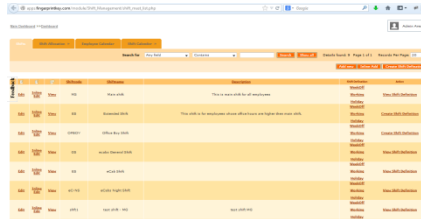
Daily Employee Report



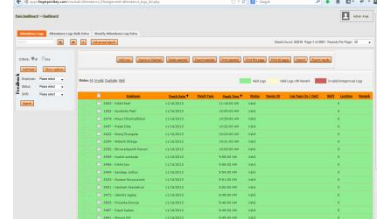
Monthly Employee Report



Company Management



Shift Management



Attendance Management

WiEnergy – Web based Energy management System

Bioenable Office-Magarpatta,Pune:(1+22)

3 Phase Acc: 0.50
Currently Running
Last Log Received at 2013-06-07 14:13 (0 Min ago)
Active Load Hrs: 02Hrs 43mins

Daily Summary(Min/Max)	Today		Yesterday		Monthly Summary		Alerts	Monthly Reports
	Line 12(Red)	Line 23(Yellow)	Line 31(Blue)	Current	Last			
V	230/247	231/248	234/251	241V(avg)	241V(avg)	242V(avg)	241V(avg)	Voltage(Current_Last)
A	1/41	1/33	1/38	41A(max)	43A(max)	49A(max)	48A(max)	Current(Current_Last)
PF	0.81/1	0.76/0.97	0.79/1	0.95(avg)	0.96(avg)	0.95(avg)	0.95(avg)	Power Factor(Current_Last)
D	1/8	1/7	1/8	23KW(max)	24KW(max)	26KW(max)	27KW(max)	Demand (Current_Last)
Min:3:02 PM/Max:10(11 AM)				38kwh	87kwh	467Kwh	2005Kwh	Power Consumption(Current_Last)

Energy Consumption Hourly (Kwh)

Settings Bill Date

Real-time Data

Summary Reports