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 high performance and multiple function POS terminal. With its high security features and all in one design, The MDT offers perfect payment solution. MDT can be used in public transit vehicles, taxicabs, courier vehicles, service trucks, commercial trucking fleets, military logistics, fishing fleets, warehouse inventory control. They are also used to display mapping and information relevant to the tasks and actions performed by the vehicle such as CAD drawings, diagrams, and safety information.

Key Features

- Powerful transceiver to capture weak radio signaling to ensure reliable transaction
- GPRS, CDMA, WiFi, PSTN and Ethernet communication modules
- Ergo-designed built-in PIN Pad with extra dust and waterproof
- High speed thermal printer, up to 25 lines/sec, easy load style, adjustable print gray, supports printing dual layer paper
- Large capacity rechargeable Lion battery
- Elegant & slim design, similar to standard credit card machines used in shops
- Powerful ARM11 processor(400MHz)
- 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
- Smart Ticketing Solution
- Time & Attendance Management
- Vehicle Tracking
- Inventory Management
- Automatic Fare Collection
| **Processor** | 32-bit secure CPU, ARM11, 400MHz |
| **Memory** | 128MB FLASH, 64MB SDRAM |
| **Display** | 2.8 inch, 320*240 TFT LCD |
| **Keypad** | 10 alphanumeric keys, 8 function keys, 1 power switch key |
| **Magnetic Card Reader** | Compliant with ISO7811, ISO7812; Track 1/2/3, bi-directional swipe; Supports smart error correcting |
| **IC Card Reader** | 1 user card (EMV4.2), supports SLE4442 / SLE4428 memory card |
| **PSAM Slot** | 2 (optional 3) PSAM slots, compliant with ISO7816; Supports PPS protocol, up to 300kbps. |
| **Contactless Card Reader (Optional)** | Supports Mifare classic, Mifare Ultralight, Mifare DESFire, ISO 14443 A & B, SONY FeliCa |
| **Communication** | GPRS / CDMA / Wi-Fi/ GPRS & Wi-Fi, supports full SSLv2/3 TLSv1 |
| **Barcode Scanner (Optional)** | Integrated high-performance 1D/2D Barcode Reader |
| **Internal PSTN(Optional)** | Synchronous: V.22bis, V.29, supports 1200/2400/9600bps |
| **Printer** | High speed thermal printer, Easy-load style Paper width: 58 ±0/-1mm, Paper roll outside diameter: 38mm |
| **Language** | Supports Chinese (GB2312/GB18030), English, French, German, Latin, Russian, Arabic, Vietnam etc. |
| **Li-ion Battery** | 2200mAh, 7.4V |
| **Working Environment** | Temperature: 0°C to 50°C (32°F to 122°F); Humidity: 10% to 90% (non-condense) |
| **Storage Environment** | Temperature: -20°C to 60°C (-4°F to 140°F); Humidity: 5% to 95% (non-condense) |
| **Dimensions** | 190*89.5*56mm (L*W*H) |
| **Weight** | 495g |
| **Certification** | PCI PTS 3.x, EMV L1& L2, EMV Contactless, Visa Paywave, CUP, PBOC 3.0, QPBOC 3.0, CE, CCC RoHS, Fingerprint, Wi-Fi, GPS, GPRS, Battery, Thermal Printer, Fingerprin, EM Card, Mifare Card, Magnetic Swipe Card |
System Design

Mobile Biometric Attendance System

TransV1 HHT with FP
Sending attendance data wirelessly (GPRS)

DB Servers

Software Application

SMS Gateway

Parents Notified through SMS

Canteen Management System

TCP/IP

TransV1 HHT
(Hand Held Terminal)

DB Servers

Software Application

Smart Ticketing and Automatic Fare Collection

Commuters pay with cash

Commuters pay with card

Recharging Stations

Management Workstations

Central Computers

Depot / Station PC

Internet
Mobile Biometric Attendance System – Web based System

Canteen Management – Web based System

Automatic Fare Collection – Web based System

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