way to global technologies

NEW WAY electronics

Hand Held   Ticketing M/C : (Model no. NWYHHTEII)

Overview:

APPLICATIONS
         THAT
                eMPOWER

ETM is a mobile handheld data capture, billing and Collection terminal to process and transmit information to host computers in real time. The simple user friendly design allows you to operate with easy and light weight and handy. Inbuilt thermal graphic printer high clarity   graphic LCD display and keypad with good user interface. The Stored data can be uploaded to a PC via USB/RS-232 serial interface and GSM/GPRS wireless interface. The Device transfers Ticket data on GPRS to application Server at central Data center in both PUSH &PULL manners without any manual intervention. The PC software will be used for restoring all required MIS reports in the System.

32 bit Processor	Thermal Printer	GSM/RS232/USB	Micro SD Card
USB & RS232 Ports	**Battery Compartment**	**Bill Printing**	**SIM card Access**

Supporting Utilities:

- SDK with APIs

Features:

Built-in 2inch thermal printer
Prints Barcode, Logo ,Image
Supports Four Different programmable Fonts
30 Keys Elastomeric designed keypad
Large bright graphical display
Self-diagnostic features
Optional – G.P.RS., Wi Fi, Blue Tooth
Compact and Comprehensive
Fast-Intelligent-Versatile-Affordable
Lithium-Ion rechargeable battery
User programmable
Easy paper loader
Fast-Intelligent-Versatile-Affordable

Application Areas:

E.T.M in Road transport
Parking Management
Retail outlet
Police e- Challan
Utility Meter Reading & Billing
Tax Collection
Field Data Collection
LIC payment collection
Receipt Printing
Micro Finance
Toll gate management.
Ticketing

Specifications:

CPU	Advanced Micro Controller based system with the latest hardware technology Micro Controller with 32 bit (cortex arm core) STM 32F103 ZET6 Min of 64KB Flash Program Memory to 512KB byte. Min Clock speed of 12MHz to 70 MHz. Min 1 K RAM
Memory	a) Inbuilt minimum 8 MB DATA flash memory b) Minimum 2 Megabit RAM / FLASH c) Flash memory should be capable of retaining data without corruption for more than 10 year (data supporting this feature to be enclosed) d) Flash memory should be utilized for storing more than 10000 ticket Details with complete ticket information and up to 50 routes fare details and service details e) Additional 4 Gigabit flash for ticket data warehousing facility for minimum recent 1o lacks tickets
KEYPAD	a) 30 keys alphanumeric keyboard (including function /navigational key) with legends b) Keypad should be detachable and replaceable c)keys shall be in colors differentiating numerals functions etc d) Radium Keypad
Operating Firmware :	Embedded C

Printer	A) Paper width 57mm B) Paper roll cage of minimum 30 mm diameter C) Printer shall support thermal paper of 50-60 GSM D) 384 DOT per link E) Ultra fast 2 inch thermal printer with minimum 60 mm/sec speed F) Easy paper roll loading mechanism, without using paper-feed-key G) Transparent paper cover H) Paper Over sensor I) Paper cover open sensor
Interface/Connector	a).RS-232 (RJ11 Connector for console / Serial port) b).USB Device (Type B) c).Micro SD Card holder for extendable up to 2GB memory
Optional	a) Customized Software b) Wi-Fi /Blue tooth c) GSM/GPRS & SAM Slot
Power Adaptor	A) AC input from 100v, 50-60Hz B) Charger should have capacity to charge the battery fully within 3 hours C) Charger shall be covered under warranty during contract period
Battery	a) Minimum 7.4V,2600 MAH Li-ion /Li-polymer internal battery with Quick rechargeable in-built charger with over-charge /over-voltage /over current protection capable to charge fully within 3hours b) CHARGING and BATTERY FULL indication display in machine c) Minimum of 300 full recharge LIFE-CYCLE for BATTERY d) Capable of operating at least 8 hours in operation mode or ,72 hours of sleep /power save mode, per signal charge with real time data transfer and smart card read &write facility e) Capable to print at least 2500 to 3500 tickets per single charge
Enclosure	ABS+PC
Temperature	Operating : 0degree C to 55degree C
Humidity	95% RH non condensing
R.F.I.D	a) Inbuilt contact less smart card reader b) ISO 14443A, Type A & B,Mi Fare as well as Dis fire complaint c) Read /Write capability d) Reading range at least 50mm
Dimensions in mm	75mmX225mmX40mm
Weight	600 grams with battery and Paper Roll

System Concept and Architecture Diagram: