

## Hand Held Terminals

*Zenith Controls & Systems Pvt. Ltd., an ISO 9001 Certified Company, having 25 years of experience in the field of Microprocessor based equipments for Commercial & Industrial applications is offering solutions for Hand Held Terminals.*

With the application of Computers in every field in our day-to-day activities, the need for PORTABLE SYSTEMS is felt for routine applications where LAPTOPS and DESKTOPS are not very comfortable. It is for these applications, our PORTABLE TERMINALS with features like lightweight, battery operated, thermal printer, etc., comes truly handy. These Devices will also have wireless connectivity through GSM/GPRS link, as an optional feature.



## Typical Applications

### As portable readers for Field Canteen Service:-



In industries & offices where snacks / beverages are served at work spots, the Portable Terminals come handy, 'fool proof', faster and reliable. RFID based employee ID card is used here to validate the transaction and locally store the data such as, the time, item code, quantity and card ID in the reader. The stored data can be transferred to Sever through LAN network or wireless mode using GSM / GPRS link. These data are later used for payroll generation.

### As Ticketing machines at Transport Sector:-

Using the Portable device, the Tickets can be issued with added information like Time of issue, Place of boarding, Destination, Total fare etc. Options are given for Child Ticket, Luggage Ticket, Group Ticket etc. Also fares can be selected for Ordinary / Express / Deluxe / Semi Sleeper / AC / Luxury / Ultra Luxury services. Consolidated trip details including Stage wise / Ticket wise are provided. The stored data can be transferred to Sever through LAN network or wireless mode using GSM / GPRS link.



### ON-the-spot Electricity Bill:-



Electricity bill for each consumer can be generated using the Portable Terminals on the spot at consumer's premises itself. Also the electricity meter reading details with respective consumer number, meter number, units consumed, billing amount, etc., are simultaneously stored in the reader. These information can be transferred to Sever through LAN network or wireless mode using GSM / GPRS link.



## As Client / Server Applications



### Net Restaurant Booking:-

Useful to the Service providers who offer restaurant menu booking through internet. The Orders can be sent as e-mails to the Terminals placed at various restaurants and acknowledgement will be sent to the service provider's website who in turn confirms to the individual who have requested the service.

### Courier Services:-



The Consignment delivery time along with Consignment details can be sent on real time to the Server. This will enable the courier companies to offer the delivery status in real time to their customers.



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### Remote Banking:-

The customer details can be downloaded from the server to enable further transaction with a client in remote banking applications. Fingerprint verification of the clients shall be done optionally.

### Civil Supply Shops:-



The price fixed by the Head Quarters on day-to-day basis (or periodically) can be transmitted through wireless link to the various fair price shops so that the price changes are effected instantaneously and uniformly to all shops. Also the inventory status of individual items at each of the fair price shop can be monitored through the central server.



### Remote Attendance Capturing:-

For applications which require attendance capturing in remote locations where there is no facility of wired communication link. The reader can be Proximity / Smart Card / Fingerprint based. These attendance data can be uploaded to the server periodically through the wireless link.

## Specifications:

Processor	ARM 7 Series
Program Memory	512 KB Flash
Display	128x64 Graphical LCD with backlight
Keypad	30 Key, Alphanumeric, Tactile, 10 million operable
PC Interface	USB Slave Port
Host System	Windows XP
Data Memory	8 MB Basic Model, Expandable using SD MMC Card upto 2 GB (optional)
Security	Multi-level Password & Data Encryption
Online Facility (Optional)	GPRS / GSM Module Built In
Card Reader (Optional)	Smart Card / Proximity Card

Printer	Thermal Printer with 58 mm paper width
Paper Roll Dimension	45mm diameter (about 20 - 21meters)
Power	Li-Ion rechargeable battery
Recharging Time	Approx. 3 hours
Input Voltage	190 - 240 VAC
Battery Life	Approx. 500 charge - recharge cycles
Charger	Portable, compact AC adaptor
Dimension	<ul style="list-style-type: none"> <li>● Size</li> <li>● Weight</li> </ul>
Body	Molded ABS

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