

RockPOS



System Description

RP-2 is the most economic and safe way to bring bank services to customer home.

A transaction server and economy terminals like RP-2 conform the excellent RockPOS Home-Banking System. RockPOS System has been designed to give the best service to bank customers at their own home or small office.

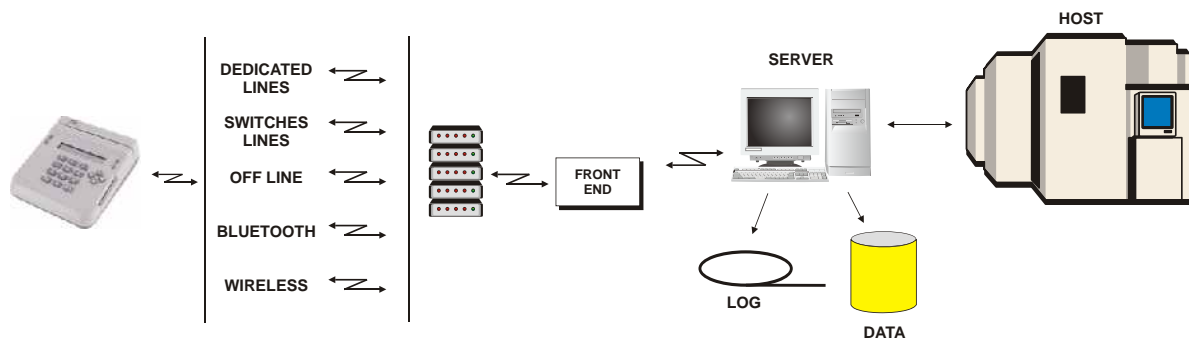
Economy does not mean low security. Security has high priority for us. Accordingly, the best and most secure procedures are used to send information through the communication channels.

High sophistication of RockPOS system does not have conflict with the great simplicity of operation and installation. Proven results of RockPOS system are lower branch congestion, and lower host computer load.

Our best presentation is made by our customers. RockPOS system is being used successfully in many countries around the world with an impeccable record of success.

RP-2

RP-2 System



The Terminal

RP-2 terminal has readers for the widely used Magnetic Card Technology, and for the fast growing technology of Smart Cards. Quality and compatibility of the smart card reader is assured with the built-in Gemcore chipset.

SAM modules, hardware encryption and many other features are available for the RP-2 terminal.

The core of RP-2 is a powerful state of the art technology 16 bit Microcontroller.

There are many choices for communications including a high speed phone line modem, LAN, and many wireless options like CDPD, CDMA, GPRS, IDEN, and short range like Bluetooth, or 802.11.

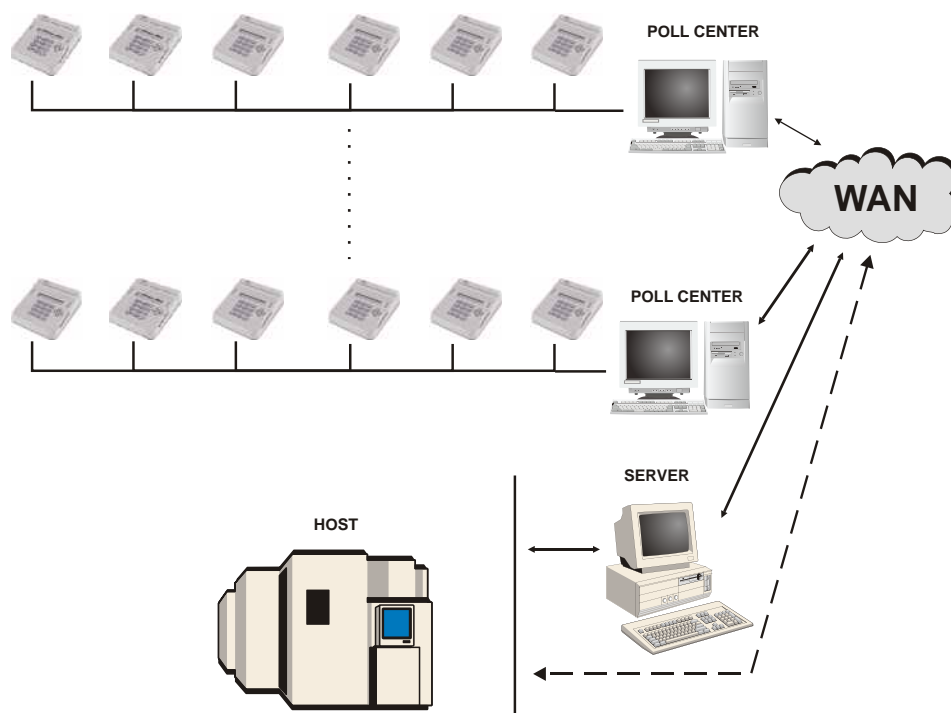
The Server

Server software has been made with the best tools and database engines available, in order to obtain maximum throughput possible.

Server operates under Windows NT, allowing system configurations with data base redundancy, and LAN - WAN connections.

One of the tasks of the Server is to make the software update of the terminals automatically, so it is possible to keep all the terminals in the field operating with the latest version of the software.

The system can be easily administrated by means of powerful statistics and an easy interface with the operator.





Programming and Operation

Programming is quick and easy. Based in a complete library of routines and programs, the programming of the terminal is made in C language.

Most routines, algorithms and protocols needed are available. Virtually any transaction can be programmed including banking transactions, order capture, inventory control, POS, and many other transactions.

RP-2 terminals can operate like an ATM at home or business office, requesting balance, making money transfer between accounts,

bill payment and even withdraws, because cash dispensing is like an "Electronic Purse" recharge than can be made in RockPOS system.

Flexible reports can be obtained from the server, sorted by any parameter, like customer number, terminal, branch or region, etc. It is also possible to program automatic charges like monthly lease charges in case the terminal is leased.

A typical transaction takes 6 seconds if wireless system is used, and 20 to 25 seconds if phone line is used.



Exelec Products are manufactured with environment friendly Technologies, like lead - free solder and recyclable materials.



RP-2

Microprocessor: 16 bits Phillips 80C52XA.

Memory: 1MB battery-backed RAM+512K Flash.

Display: 2 lines x 24 Characters high contrast STN LCD display with back light.

Keyboard: 12 numeric + 4 cursor + 4 option silicon rubber keyboard with gold contact.

Magnetic Card Reader: Manual swipe track 2. Optional track 1 and 2.

Smart Card Reader: According to ISO 7816. Gemcore chipset based. Reads Synchronous and Asynchronous cards. EMV Certified. Two Sam Modules.

Modem: CCITT V.22 (2,400 Bauds), V.22 (1200 Bauds), Bell 212A (1200 Bauds) and Bel 103 (300 Bauds). AT commands compatible. Optional 14,400 Bauds Modem.

Serial Ports: 2 Serial Ports: One RS232, one RS485 (or optional Ethernet).

Wireless: optional CDPD, CDMA, GPRS, IDEN, Bluetooth and 802.11.

Dimensions: H= 69, W= 258, D= 289.

Server

Operational System: Microsoft Windows NT 4.0 or higher.

Data Base: Microsoft SQL Server Ver 7.0 or higher.

Programming: System developed in C++ for Communication Services. Other for user interface.

Transaction Access: LAN or multiport board.

Protocols: TCP/IP, proprietary Jmodem, and other options.

Hardware Requirements: (Minimum to operate)

- A PC with 500 Mhz Pentium III or better.
- 128MB RAM (1Mb per active channel)
- 4 GB hard disk
- CD ROM drive
- Tape Drive NT compatible.
- Modems and Remote Access servers as needed.

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