

Manvish eTech Customized Point of Sale and Point of Event Device

Define your own POS/POE

As a focused embedded engineering company Manvish has pioneered several products in the embedded field such as multi-functional hand-held devices, remote diagnostics and web-enabled internet-edge devices.

Manvish eTech has developed an internet enabled hand-held device that is stand alone, (IP addressable) and can communicate to any remote server located anywhere on the net via TCP/IP/WiFi, GSM/GPRS or a PSTN Modem. This makes it completely PC independent. Data files can be encrypted and can communicate with Oracle (tested already) or any other database (DB2, SQL etc) and vice-versa with a high level of data integrity. Oracle's embedded database BDB has also been ported onto this system. Touch screen and self service options applications can also be ported onto the device. The Form Factor, look and feel of the hardware and software can be completely customized as per the customer's requirements.

“MiFAUN” as we call it is a complete hand-held computer with 32 bit CPU running Linux o/s (or optional Win CE) and customer defined applications.

The device is designed for mass deployment which lends itself for remote monitoring, maintenance and application up-loading/downloading. This gives complete visibility of all devices on the network to a central web-enabled observer.

As you are aware there are multitudes of field-based operations wherein data is captured on paper and a repetitive task of re-entering the same onto a PC is performed. Now one can digitally capture the data directly at the point of event and transmit the same back to the server almost instantly thereby keeping your data on-line and in real-time.

Through this communication we wish to present to you a multi-role hand-held device that assists digital data/point of event capture.

Running on a high performance Freescale (ARM-9 core) chip, the device is performance scalable and can accommodate increased resources needed for computing and memory.

Tech Specifications:

- Built on a Freescale processor I.Mx 27 (ARM core)
 - 64MB Ram(expandable)
 - 32 MB Flash.
- Colour LCD with touch screen option.
- Biometric scanner (silicon type)
- Mobile type Keypad (QWERTY can be made on request).
- Linux 2.6 O/s ported with custom applications.
- SD card memory 1GB (expandable).
- GSM/GPRS interface module (optional).
- GPS interface (optional).
- USB, Serial and Ethernet.
- WiFi (optional).
- Camera interface (Optional).
- Printer interface (optional) in-built or external.

- Barcode interface (swipe type or scan type.)
- Magnetic swipe-card reader(optional)
- Contact-less Smart Card/RFID card interface (Contact-based smart card interface optional).
- Support/SDK for custom programmable applications in C language .
.....or any combination thereof.

The various uses of these devices

1. Enterprise-wide ON-Line and real-time Time / attendance transactions
2. Field POS/t for retail/microfinance systems.
3. Loyalty tracking solutions for retail.
4. Field-force automation.
5. Supply chain management.
6. Inventory and stock audit
7. Vehicle entry/exit/security
8. Census, Logistics, market research etc. and other research oriented activities.
9. Seamless integration across geographies for multiple point of transaction within the same organization
.....and a host of other applications.

Industries that will find these devices useful:

1. Rural Computing for Government.
2. Banking and NBFCs,
3. Retail, FMCG,
4. Pharmaceuticals
5. Airlines for ticketing and baggage handling
6. Logistics and couriers companies.
7. Automotive and other very large inventory carrying organizations
8. Education-examination question-paper delivery systems, impersonation control etc.
9. Dealers/Distributors of all products for
 - a. Inventory management and
 - b. Portable field Point of sales
and many such industries.

Manvish owns the IPs of all its products

What are the benefits to you as a user?

- a. This implies that a high degree of customization with respect cost-volume-features, form factor and applications is possible.
- b. High reliability design and easy maintenance. Design incorporates remote diagnostics and application porting.
- c. Easy replacement.