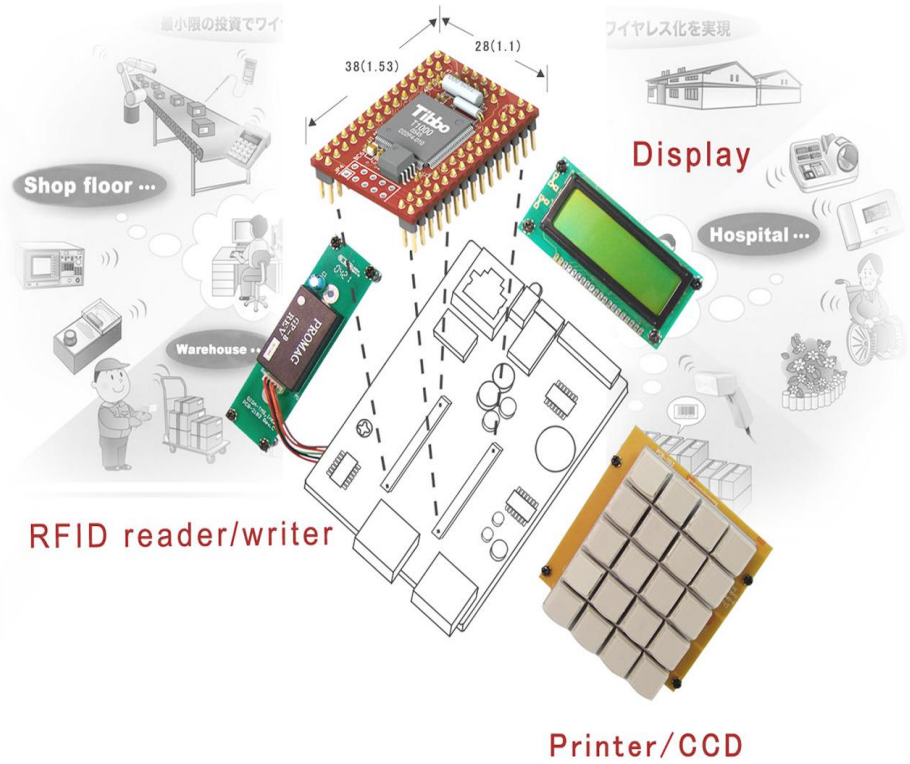
THE FAT810 FAMILY BUYING GUIDANCE

FAT810 is a TCP/IP enabled compact terminal offering data management applications for Shop Floor to Food Court and Departmental Store to Campus Shop or Factory conveyer kinds of Automation Data Collection Applications.

Serve as a Basic programmable embedded technology product with Multi language support, keypad, LCD display, beep pattern control and 4 external device ports for POS and related devices.

Has Tibbo TIOS platform with programming fundamentals similar to Quick and Visual Basics to facilitate quick learning and development of applications.

Bundled with easily configurable software utility, it is also configurable by creating an html webpage. Also manages Membership and bonus data management applications via network on integration with RFiD Card Readers.



PRODUCT LINEUP

So how to select a FAT810 terminal for your integration? Following chart will lead you to a very quick reference.

Model selection reference:

Model No.	Communication Mode	Matching Reader	Reader type	ROM Version	Application Firmware
FAT810M	Online	Magstripe reader MSR220	Read only UID	0935	User's end development
FAT810B		Barcode reader BCR200			
FAT810F		Barcode reader			
FAT810R		Reader module 125KHz PA2183			
FAT810MF		Reader module 13.46MHz PA2713			
FAT810FL-RP		Reader module 13.56MHz PA2713FL			
FAT810W-01	Offline	Reader MF10 read/write	Read/Write	1069	Basic cash payment system inside

Notice: 0935 and 1069 are not compatible to each other.

Buying tip: a nice to have card issuer device PCR310-50 is the one working with FAT810W-01 to issue users' cards.

Matching built in reader line up:

Image / Spec					
Model	MSR220	BCR200	PA2183	PA2713	MF10
Specification	ISO TK2 ABA	Code 39, 125, EAN13, EAN8, UPCE, UPCA, Code 128, Codabar Code 93, Code 11	125KHz, ASK, 64bits Manchester coding	13.56MHz UID only Mifare Ultralight Mifare 1K Mifare 4K	13.56MHz Read/Write Mifare Ultralight Mifare 1K Mifare 4K

How to work with Taiko?

It is a nice to have knowledge of Taiko, which is developed by Tibbo Technology supplying a wide and complete coverage of Ethernet module especially the one called EM1000 built in FAT810 hardware.

In brief, Taiko= Programmability ---- in BASIC!

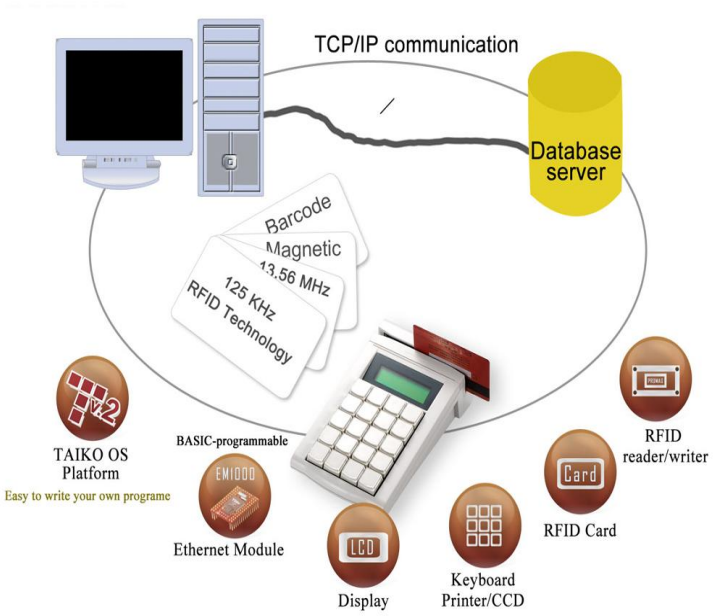
The three main components are:

--**Tibbo Basic :** A lightweight, powerful programming language, similar to other types of BASIC. It is easy to learn and fast to develop with.

--**TiOS :** Tibbo Operating System

--**TIDE :** Tibbo Integrated Development Environment

Please refer to the below for a general configuration concept of FAT810 hardware.

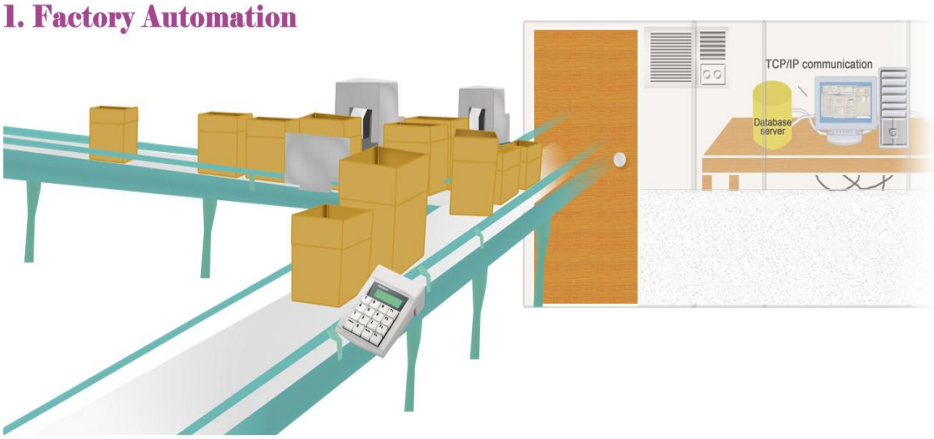


With EM1000 Basic programmable Ethernet module, FAT810 becomes more powerful and friendly to those who are able to develop their own customized application software at their ends with the background of Basic programmable language. No need to have the long time consumption to ask for the support of firmware modification for the original source.

Here we list several application notes to let you get the ideas of how does FAT810 work.

Application notes

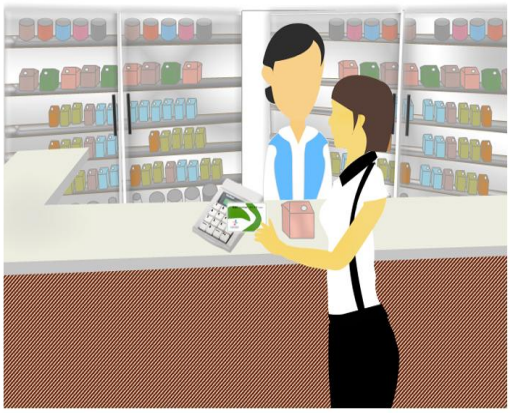
1. Factory Automation



Finished products data collection :

FAT810 is installed on the every production line to capture the finished product data such item no, series no….

2. Cash card payment



FAT810 is available for read/write function for the cashless payment application on the " Offline Mode". For payment application FAT810 is with different version of ROM able to do the reading and writing job bundled with Promag developed utilities.

Appendix

FAQ

Q: What kind of 4 I/O external device connections FAT810 refers? Any example of devices to connecting and how can I control those.

A: The 4 external serial port is defined as RS232 interface. Each serial port is full-duplex, and the baud rate/parity check/data bit/stop bit settings are allowed to be customized.

The factory default only implements 2 serial ports. The other two are reserved.
You can use the compiler TIDE to code your own application firmware and download to the device to control the connected serial devices.

PROMAG™

BASIC Programmable Ethernet Data Terminal

Features:

- BASIC programmable embedded technology.
- Featuring serial printer port.
- 4 I/O available for external device connection.
- Wall mount or desktop installation available.
- Supports Multiple languages.
- Elegant compact shape for easy installation.
- LCD display to show operation message and keypad key-in.
- Buffer mode / non-buffer mode.
- 2 display ways on LCD: Digit / Asterisk for keypad key-in.

Factory automation

Manufacturing onsite monitoring system

Shop floor Management

Food court POS system

Applications:

- Factory automation terminal.
- Shop floor control terminal.
- Real time production monitoring system.
- Food court POS solution.

Promo CD is available on request