MOBISA Mobile Phone Module
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1. Introduction of MOBIS Module

- ARM7 Module + GSM/GPRS Module = MOBISA Module
- The MOBISA is a self-contained quad-band mobile phone module, which offers most general mobile phone functions plus external interface and Open MOBISA development environment.
1.1 Overall dimensions

- Length: 45 mm
- Width: 35.5 mm
- Thickness: 6.5 mm
1.2 Architecture

MOBISA Architecture
1.3 MOBISA Features

- Quad-Band (850/900/1800/1900) to be used in anywhere in the world
- Supports Java
- Over-the-air Java Midlet software update (OTA)
- Double SIM card can help you create more flexibility on development of mobile application.
- Bluetooth feature
- LCD display features
- Camera features
- T_flash card enables up to 16GB
- Supplies total 24 keys in the keypad
- Handwriting input
- Open development environment
1.4 MOBISA Applications

MOBISA module is designed for:

- Mobile applications development
- Metering
- Security
- Fleet management
- Vending machine
- Remote maintenance and control
- The Internet of Things
1.5 MOBISA Users

MOBISA is for:

- Mobile applications developer
- Teachers and instructors
- The study of embedded hardware and software development, especially, for mobile phone amateur…
2 MOBISA Development Kit

The MOBISA Development kit is intended for evaluating the MOBISA mobile phone module, as well as for developing and testing hardware and software applications for it.
2.1 DDK Connector

- The MOBISA DDK provides two 70Pin connectors for external development purpose.
- A variety of general interfaces was adopted in the connectors, it is convenience for user to design their own applications based on the DDK.
2.2 External Board

The MOBISA DDK comes with a variety of external board for evaluation.

- RFID external board
- GPS external board
- …
2.3 MOBISA Hardware Development

- A serial number of universal interfaces was adopted in the two connectors which was illustrated on the right.
- Several types of external board with demo and source code for reference
- Based on the DDK and examples, the developer might speed up their applications.
2.4 MOBISA Software Development: Java

There are two kinds of development environment provided for different developer.

Supporting Java is a highlight features within MOBISA, using the sophisticated Java integrated development environments that you are familiar with, such as Eclipse or Netbeans, you may be able to develop your J2ME Midlet for MOBISA in a short time.
If you prefer C program language and look forward to study and whole control MOBISA, A suit of MOBISA development tools might be able to help you to achieve the purpose.
3 MOBISA DTU

MOBISA DTU (Data transfer unit) is a device which based on public GPRS network and provides transparent data transfer across mobile network and Internet.
3.1 MOBISA DTU

The modularization design and implementation of the MOBISA DTU made it easy to manufacture and maintain. MOBISA DTU enables various kinds of devices with serial port to communicate over GPRS network and Internet easily.

MOBISA GPRS DTU is an ideal solution for the following usage:
1. Remote device data collection
2. Remote device control
3. Machine to machine applications
4. Security Alarm System applications
5. Supervision and monitoring alarm systems
6. Automatic monitoring system
7. Vending Machines security protection
8. Buildings and Real Estate
9. Weather Stations
10. Fleet management
11. Automation System
12. GSM/GPRS Access Control System, etc.
4 MOBISA Tracker

- The BISA tracker integrated with GPS, RFID, and GPRS for tracking of personnel, assets, vehicles over a building and a wide geographic area.
- The BISA tracker combines with GPRS and RFID tagging system can provides complete solution for outdoor and indoor tracking.
4.1 BISA Tracker System

The BISA tracker system consists of MOBISA tracker and GPS web server for tracking and locating purposes.
Thank you!

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