

Mifare® Classic 1K  
Mifare® Classic 4K  
Mifare® Ultralight

- ▶ Compact & Complete Read/Write Modules
- ▶ UART Interface
- ▶ I2C Interface
- ▶ Firmware Upgradeable - Customizable

*Designed and manufactured for Original Equipment Manufacturers (OEMs)*

## SM130

*Ideal for Device Manufacturers*

SM130 is a 28-pin DIP type (1000 mil wide) module that includes all necessary components except for the PCB antenna



### *Design just in days!*

SM13x series Mifare® modules help you to design your own contactless smart card application just in days.

Users never need to know about complicated RFID subject and don't need to spend time for months. SonMicro's low cost, easy to use modules and excellent support service will help you to market your product quicker and at low cost.

## SM132-USB

*Ideal for Device Manufacturers and Software Developers*

SM132-USB is a compact, plug & play USB Mifare® module that includes all necessary components including PCB antenna



SM13x modules perform demodulation, decoding, encryption and decryption operations automatically. The only thing left for the user is to control the module with simple commands explained in the device datasheet.

SM130 modules can be used for standalone readers and terminals. It can be mounted on PCB like an IC.

SM132-USB is USB powered thus does not require external power supply

SM132-USB targets PC applications and can be connected to PC USB port. It is integrated with PCB antenna and uses USB power. Thus no component needs to be used externally at all.

## EVALUATION KITS

*Low-cost kits for Rapid Development and Demonstration*



**SM1013D**



**SM1320USB**

SonMicro also offers free Software Development Kit (SDK) for Mifare modules. SDK includes ActiveX DLL library and C# .NET library along with examples for software developers to integrate Mifare application to custom software very easily including Windows Mobile® platform.

### *Ideal Applications*

Mifare® is the perfect solution for the applications such as loyalty and vending cards, public transport, city cards, access control, gaming, banking, health, payphone, Government, Internet, POS, smart meters...etc.

**Order your Evaluation Kit today!**  
World Wide Sales and Online Store are available

**WILL INSPIRE**