

RFID Demo Kit Reader

[FS-DK105S]

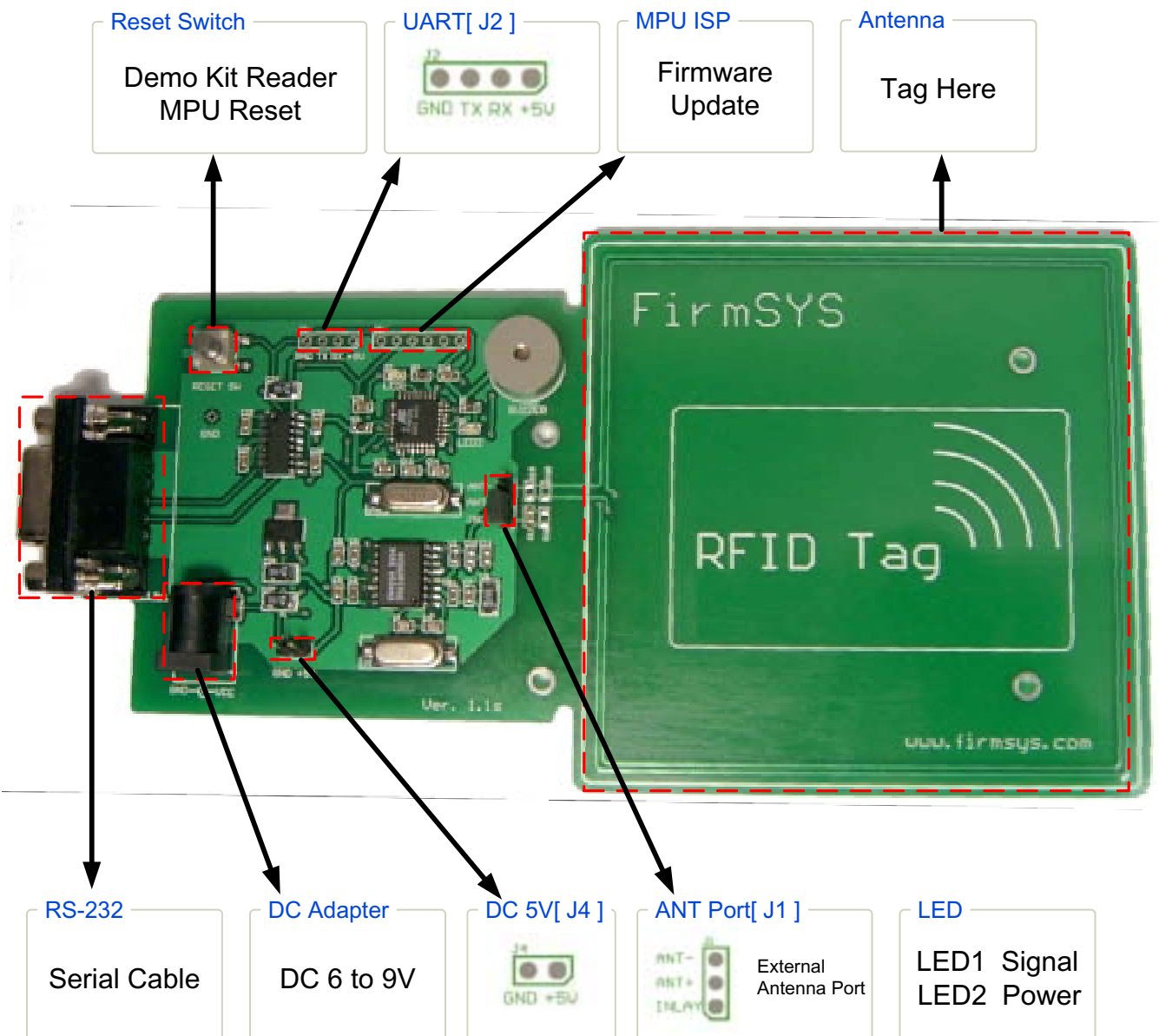
ISO 15693 Read/Write
&
ISO 14443A Read Only



1. Specification

RF Frequency	13.56Mhz, FCC and CE Compliant
Power Supply	4.5 to 5V DC Operation, 5V DC Regulated [6 to 9V DC Adapter Input]
Supply Current	70mA @ 5V
Dimensions	178 × 88 × 11 mm
RF Data Rate	26kbps ISO15693-3, 106kbps ISO14443-A
Host Interface	UART, RS-232
Host Data Rate	Serial 9600 to 115200 baud rate
Antenna	50-ohm Internal antenna & external antenna connector
RF Power	100mW @ 5V
Read Range	100mm internal ant
FLASH MCU	Firmware updates = forward compatibility
Memory	256 bytes user data, 8k program memory
Visual Indicators	Optical - 2 LED (red / green), Acoustical - Buzzer
Anticollision	Support(15tags)

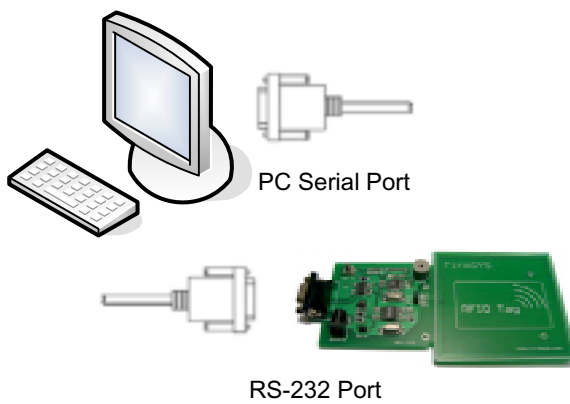
2. Components of Demo Kit Reader Board



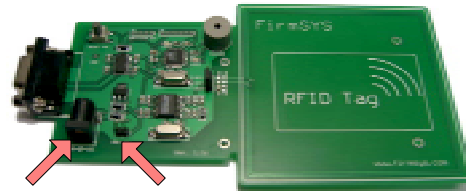
Note: External 9VDC, 2.1mm coaxial plug, center positive and >150mA output current adaptor should be used for this kit.

3.Directions for use RFID Demo Kit

1.Connecting the Demo Kit to your PC with a serial cable

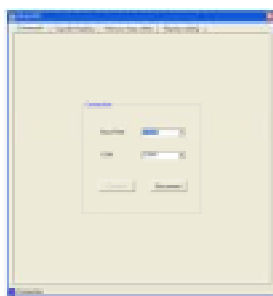


2.Connecting Demo Kit to the power supply



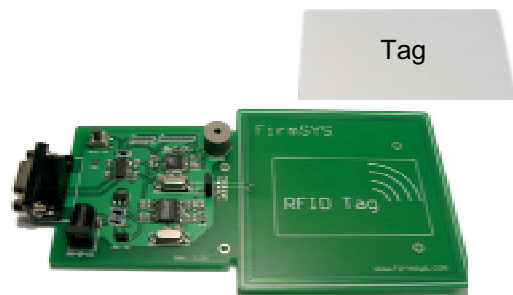
Connect a 9VDC adapter plug into the power jack on the Demokit, or supply 5VDC directly to the DemoKit via jumper J4.

3.Runing FirmSYS Demo Program



Baud rate and COM port should be selected first, based on the physical connection between your PC and the RFID kit.
Please note that a baud rate of 38400 should be selected, as this is the default Baud Rate of the Demo Kit. Status light will go blue when connected.

4.Working test



Put the RFID tag just above the RFID demo kit as shown above. Now you can read and write data by using the FimSYS Demo Program window



RFID Demo Kit Reader Manual

Antenna Detector

The Green LED on the Antenna Detector will light when an RF signal is detected. Hold it in the field of an RFID reader in order to see the range of the field, viewing angles and other properties.

Note that the range will vary if different types and sizes of tag are used.

RFID Tags

Blank contactless cards are supplied with this demo kit, but other types of ISO15693 standard tags can be used e.g. Smart Labels, keyfobs etc.

We can supply different types of tag or extra contactless cards if required, but they may be subject to a Minimum Order Quantity. Please contact sales@kanda.com with your requirements.

USB Interfaces

A USB to serial adapter for use on PCs or laptops without serial ports are also available from us.
