Smart RFID Reader

Package Include:

1 unit passive RFID reader
1 unit RFID reader driver
1 unit serial cable
1 unit 2 way connector
3 units RFID cards
1 unit push button

Specification:

1. **Can connect to PC Serial, USB and Microcontroller:** The reader output signal support computer RS232 and Microcontroller TTL serial port. By adding USB to RS232 converter (buy separately, around RM30) user can link the reader to USB port also. The communication baud rate is 9600bps. For PC interface the data is in 6 bytes hexadecimal (00 to FF) format, total has 6 bytes characters e.g. A26F45 (A is 1 byte, 2 is 1 byte, 6 is 1 byte, F is 1 byte, 4 is 1 byte, 5 is 1 byte character). For Microcontroller interface the data is in 3 bytes integer (0 to 255) format e.g. 225 123 207 (255 is 1 byte, 123 is 1 byte and 207 also 1 byte integer all 3 bytes will send 1 by 1).

2. **Can operate independent or with computer and Microcontroller:** The reader can work independent it can also link to computer or Microcontroller through RS232 serial interfacing (baud rate 9600bps, no parity bit checking, each data in 8 bit form).

3. **Can record up to 50 cards:** The reader has reading mode and execute mode. Under reading mode the reader will auto record RFID card. The recording speed is 1 card/second. The recorded cards can be erased through a switch or through connected computer or Microcontroller. The recorded data can also sent to connected computer or Microcontroller through RS232 communication.

4. **Support 12VDC adapter and lead acid battery:** Smart RFID reader supports 12VDC power from adapter and 12V lead acid battery. If the battery is less than 12VDC, the 12VDC adapter power will also charge up the battery. However if 12VDC adapter is removed or off then the battery will automatic supply to the reader.

5. **With two TTL output:** The reader has two TTL outputs (0V or 5V). The two TTL output can be used to trigger buzzer, relay or LED. The TTL output can be controlled through connected computer or Microcontroller.

6. **With a relay module:** The TTL output of the reader can be connected to a relay module to on/off any high power DC/AC device e.g. magnetic lock, bulb and fan. The relay can be turned on/off through a switch or through connected computer or Microcontroller.

7. **Support a sensor input:** The reader supports a TTL input (0V or 5V) or switch input. This input can direct connect to sensors e.g. door magnetic switch, vibrate switch, PIR motion sensor, smoke sensor. Connected computer or Microcontroller can send command to request the sensor status anytime.