

# SCIEL CARD

Industrial RFID tag reader



## BENEFITS

- Compact OEM RFID Reader for our active RFID Tags
- TTL Level UARTSerial Communication
- ERM software: configuration tool running on PC (format, speed, reading distance, ...)



## TECHNICAL SPECIFICATIONS

### OPERATING MODE

|                          |   |
|--------------------------|---|
| <b>Frequency</b>         | 433.92 MHz                                      |
| <b>Max. current</b>      | 15mA  |
| <b>Range</b>             | Up to 80 meters in open field                   |
| <b>Antenna impedance</b> | 50 Ohms External Link                           |
| <b>Serial interfaces</b> | RS232: RX TX GND (9600bds 8bit 1stop No parity) |

### BATTERY

|                     |       |
|---------------------|-------|
| <b>Power supply</b> | 5 VDC |
|---------------------|-------|

### CERTIFICATIONS

|               |   |
|---------------|---|
| <b>Europe</b> | CE : EN 300 328/EN 300 330 / EN 301 489 / EN 62311 / EN 62368 |
| <b>USA</b>    | FCC : FCC PART 15   |
| <b>RoHs</b>   | Yes   |

### HOUSING

|                              |                  |
|------------------------------|------------------|
| <b>Dimensions</b>            | 50 x 21 x 7.5 mm |
| <b>Operating temperature</b> | -40°C to +70°C   |

**PIN DESCRIPTION - DIL CONNECTOR (2.54MM PITCH)**

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- 1 NC or reserved for future use / Do not Connect
- 2 NC or reserved for future use / Do not Connect
- 3 NC or reserved for future use / Do not Connect
- 4 +Vcc (5V; needs L-C filter on mother board: 1 $\mu$ H –470 nF)
- 5 NC or reserved for future use / Do not Connect
- 6 Open Output Collector –Relay Command
- 7 TTL UART RX Input 0/3.3V; serial 47R protection (RB4)
- 8 NC or reserved for future use / Do not Connect
- 9 TTL UART TX Output 0/3.3V; serial 47R protection (RB1)
- 10 NC or reserved for future use / Do not Connect
- 11 Ground
- 12 NC or reserved for future use / Do not Connect
- 13 NC or reserved for future use / Do not Connect
- 14 NC or reserved for future use / Do not Connect
- 15 Antenna Ground
- 16 50 $\Omega$  Coaxial Antenna
- 17 Antenna Ground