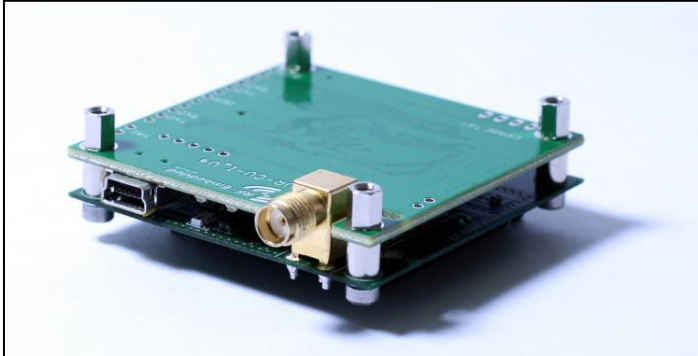# RFID-USB-MODUL
Art. No.: RFID-MO-75613-01

Overview

- Universal UHF RFID reader platform
- Highly integrable
- Power classes:
  100mW, 500 mW, 1000 mW
- Data interfaces: TTL, USB, LAN
- Simple software control using the provided SDK and Reader Suite
- Supported OS:
  Windows, Linux and Mac OS

Applications

- Logistics
- Access control
- Document or object tracking
- RFID initialisation desk
- Stationary reader
- Integration in mobile devices

Technical Details

RFID Characteristics

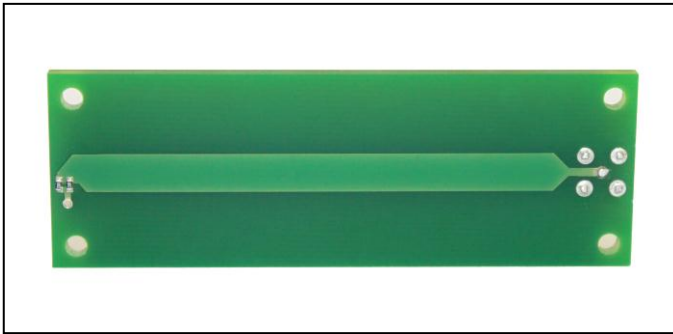|	
Frequency range:	840 to 960 MHz / UHF RFID global
Tag protocol read + write:	EPC C1 Gen 2 (ISO 18000-6C)
Reading distance:	Up to 4 m (power & tag dependent)
Writing distance:	70% of reading distance
RF power capability (power class):	Up to 20 dBm (100 mW)
	Up to 27 dBm (500 mW)
	Up to 30 dBm (1000 mW)
	with up to 19 dB configurable attenuation
Antenna port:	SMA

Interfaces

Data interface:	TTL / USB / LAN
User interface:	Power-LED, Read-LED

Miscellaneous

Voltage supply:	USB: 5V DC by USB (+5%)
	LAN: 9-24V DC
Power consumption (power class):	ca. 350 mA (100 mW)
	ca. 750 mA (500 mW)
	ca. 1.5 A (1000 mW)
Operating temperature:	-10° to +50°
Storage temperature:	-20° to +70°
Relative humidity:	0-95%, non-condensing
Dimensions:	B: 50 mm / H: 50 mm / T: 18 mm
Weight:	ca. 40 g

Overview

- Compact UHF antenna
- Low cost applications
- Various connection possibilities
- Deployable world wide

Applications

- RFID printer
- In-system applications
- Conveyors
- Mobile devices
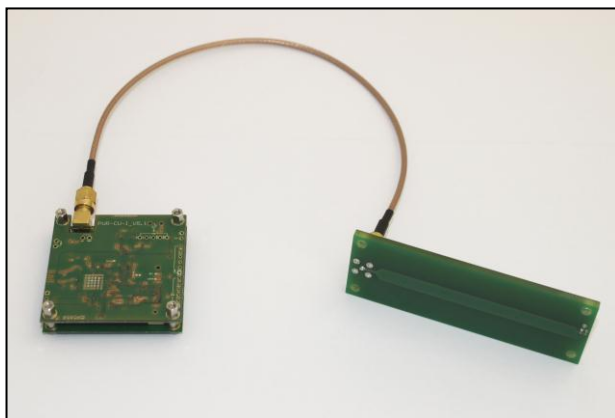
Technical Details

Characteristics

Frequency range:	840 to 960 MHz / UHF RFID global
Reading distance:	ca. 15 cm (tag dependent)
Impedance:	50 Ω
Antenna type:	Stripline antenna

Interfaces

Connection:	SMA (linear or 90° angled)

Miscellaneous

Operating temperature:	-10° to +60°
Storage temperature:	-20° to +70°
Relative humidity:	0-95%, non-condensing
Dimensions:	B: 90 mm / H: 30 mm / T: 13 mm
Weight:	20 g

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