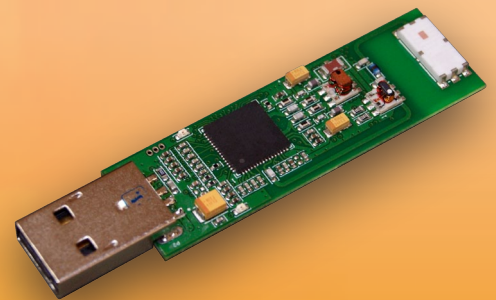# RFID UHF MODULE
STICK READER R830

APPLICATIONS

- Stick Readers | Encoders
- Access Control
- Logistics

FEATURES

- High-Speed Data Transfer
- Integrated Antenna
- USB 2.0 Interface
- Software Development Kit
- Optional: HID

RFID OPTIONS

- **UHF** (EPC C1 GEN2 / ISO18000-6C)

PRODUCT DESCRIPTION

Stick Reader R830 is a small, handy and simple UHF RFID Reader with integrated antenna. Its USB 2.0 interface guarantees high-speed data transfer. R830 Stick Reader supports ISO 18000-6C tags incl. EPC Class1 Gen2.

Thanks to its RFID frequency band from 865 to 928 MHz, the UHF Stick Reader complies with the ETSI & FCC standard. It is perfect for desktop or identification applications.

The R830 comes with full SDK (reader host protocol, DLL, source code) and Windows based demo software. Hardware based HID is optional.

TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

Power Supply	5 VDC via USB
Power Consumption	< 350 mA
Operating Frequency	865 – 928 MHz (ETSI & FCC)
Max. Power	+20 dBm	100 mW (software adjustable)
Operating Distance	Up to 15 cm (depending on type of transponder)
Built-in Antenna	Linear polarized
Interface	USB 2.0

MECHANICAL SPECIFICATIONS

Dimensions	80 × 21 × 12 mm

ENVIRONMENTAL CONDITIONS

Operating Temperature	-20°C ... +50 °C
Humidity	5 % to 95 %

SUPPORTED STANDARDS | TAGS

Standard ISO 18000-6C (EPC Class 1 Generation 2)

SDK INFORMATION

Supported Languages	C++, C#, Java, .net

ORDER CODES

VERSIONS	ORDER CODES
Basic Version	OEM-UHF-R830-USB-SR01
HID Version	OEM-UHF-R830-USB-SR01-HID
TTL Version	OEM-UHF-R830-TTL-SR01

For further information & prices, please contact info@idtronic-rfid.com