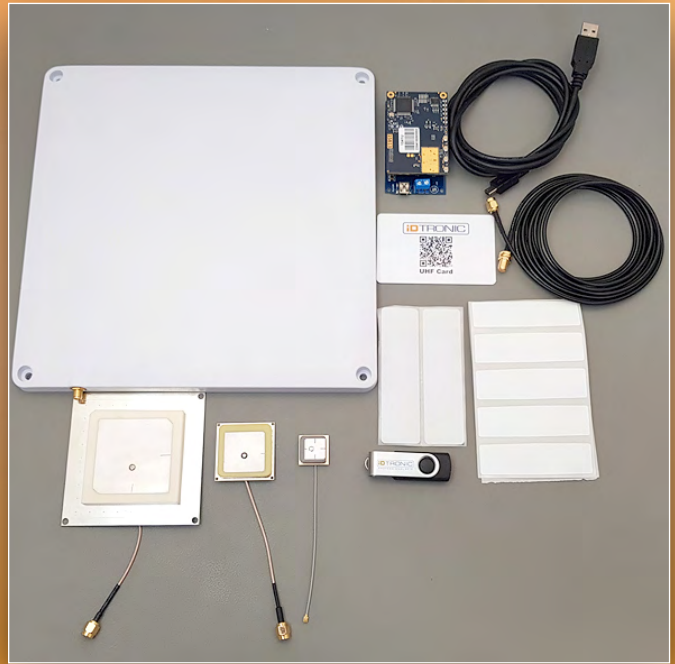


UHF Developer Kits



FEATURES

- Choice of 3 Module Kits
- New Gen. Embedded UHF
- All necessary Hard- & Software
- Plug & Play Test Board
- Multiple Antennas
- Selection of useful Tags
- Complete SDK

RFID OPTIONS

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

DESCRIPTION

As a trusted industry leader, iDTRONIC provides a unique platform of Embedded UHF RFID Modules for the use of RFID technology in our customers' applications or hardware. For customers who are just beginning to integrate RFID as a feature into their products, we offer these UHF Developer Kits with our newest Embedded RFID Modules. Each Kit is designed to be easy to use out of the box and lower the barrier to develop your RFID application as much as possible. The available software tools in our development kit allow a quick proof of concept development while integrating RFID into any applications or products.

iDTRONIC's UHF Developer Kits feature all necessary hardware and software components to start testing the Modules. All different Developer Kit versions are equipped with the chosen Embedded UHF RFID Module, an USB Plug&Play test board, a range of antennas, all necessary cables, a selection of useful UHF RFID tags and a USB stick with the complete SDK & documentation.

Our powerful SDK provides all the important functions like code examples for C# / C++ and the support of a serial command protocol. The demo software offers a wide range of possible tuning and testing methods while supporting all common Windows operating systems like XP, Vista, 7 & 8.

iDTRONIC's UHF Developer Kits offer highly valuable and unique resources to a large number of integrators seeking a simple way to integrate RFID into their ideas.

TECHNICAL DATA

M800 STARTERKIT

ELECTRICAL SPECIFICATIONS

Power Supply	5 VDC ($\pm 5\%$ regulated)
Power Rating	max. 1.75 W
Operating Frequency	840 – 960 MHz, software programmable
Max. Power	max 20 dBm / 100 mW, software programmable in 1 dBm steps
Operating Distance	up to 1.5 meters*
Antenna Connector	U.FL connector
Inputs / Outputs	2 inputs / outputs software configurable
Status	2 LEDs
Interfaces	TTL (0-5V) RS232

MECHANICAL SPECIFICATIONS

Dimensions	30.56 × 38.40 × 6.50 mm
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TECHNICAL DETAILS - BASE PLATE

Dimensions	71 × 50 × 10 mm
Interface	USB
Power	5 VDC ($\pm 5\%$ regulated) via USB or external Powersupply
Status	Buzzer & LED

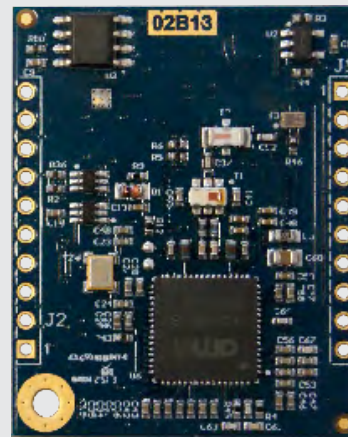
SUPPORTED STANDARDS / TAGS

Standard ISO 18000-6C (EPC Class 1 Generation 2)
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*Reading distance depends on tag, antenna and environmental conditions

CONTENT

M800 Module TTL (1x)
USB Base Plate (1x)
USB Cable (1x)
UFL ► SMA Converter (10 cm Cable) (1x)
Antenna Cable SMA/SMA (3 meter) (1x)
Antennas (10 cm Cable with SMA Connector) (4x)
OEM-UHF-A901-GP-SMA
OEM-UHF-A902-GP-SMA
OEM-UHF-A903-GP-SMA
OEM-UHF-A904-GP-SMA
Sample Tag Package (1x)
SDK USB Stick (1x)



TECHNICAL DATA

M900 STARTERKIT

ELECTRICAL SPECIFICATIONS

Power Supply	5 VDC ($\pm 5\%$ regulated)
Power Rating	max. 800 mA
Operating Frequency	840 – 960 MHz, software programmable
Max. Power	max 27 dBm / 500 mW, software programmable in 1 dBm steps
Operating Distance	up to 5.5 meters*
Antenna Connector	U.FL connector
Inputs / Outputs	2 inputs / outputs software configurable
Status	4 LEDs
Interfaces	TTL (0-5V) RS232

MECHANICAL SPECIFICATIONS

Dimensions	30.56 × 38.40 × 6.50 mm
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TECHNICAL DETAILS - BASE PLATE

Dimensions	71 × 50 × 10 mm
Interface	USB
Power	5 VDC ($\pm 5\%$ regulated) via USB or external Powersupply
Status	Buzzer & LED

SUPPORTED STANDARDS / TAGS

Standard ISO 18000-6C (EPC Class 1 Generation 2)
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*Reading distance depends on tag, antenna and environmental conditions

CONTENT

M900 Module TTL (1x)
USB Base Plate (1x)
USB Cable (1x)
UFL ► SMA Converter (10 cm Cable) (1x)
Antenna Cable SMA/SMA (3 meter) (1x)
Antennas (10 cm Cable with SMA Connector) (5x)
OEM-UHF-A901-GP-SMA
OEM-UHF-A902-GP-SMA
OEM-UHF-A903-GP-SMA
OEM-UHF-A904-GP-SMA
R-IN-UHF-9021U
Sample Tag Package (1x)
SDK USB Stick (1x)



TECHNICAL DATA

M950 STARTERKIT

ELECTRICAL SPECIFICATIONS

Power Supply	5 VDC ($\pm 5\%$ regulated)
Power Rating	max. 10W @RFOUT=30 dBm
Operating Frequency	840 – 960 MHz, software programmable
Max. Power	max 30 dBm / 1 W, software programmable in 1 dB steps
Operating Distance	up to 10 meters*
Antenna Connector	4 U.FL connector (50 Ω)
Inputs / Outputs	2 inputs / outputs software configurable
Status	8 LEDs
Interfaces	TTL (0-5V) RS232

MECHANICAL SPECIFICATIONS

Dimensions	66.00 × 45.00 × 6.50 mm
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TECHNICAL DETAILS - BASE PLATE

Dimensions	71 × 50 × 10 mm
Interface	USB
Power	5 VDC ($\pm 5\%$ regulated) via USB or external Powersupply
Status	Buzzer & LED

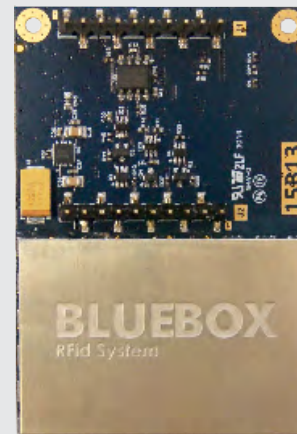
SUPPORTED STANDARDS / TAGS

Standard ISO 18000-6C (EPC Class 1 Generation 2)
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*Reading distance depends on tag, antenna and environmental conditions

CONTENT

UHF Module M950 232 (1)
USB Base Plate for RS232 (1)
USB Cable (1)
Power Supply 5VDC
SMA Converter 10cm Cable (2)
Antenna Cable SMA/UFL (2)
OEM-UHF-A903-GP-UFL (1)
OEM-UHF-A904-GP-UFL (1)
R-IN-UHF-9135U (2)
Sample Tag Package
SDK USB Stick



ORDER CODES

VERSION	ORDER CODE
M800 Starterkit TTL	OEM-UHF-M800-TTL-SK
M900 Starterkit TTL	OEM-UHF-M900-TTL-SK
M950 Starterkit TTL	OEM-UHF-M950-TTL-SK
M800 Starterkit RS232	OEM-UHF-M800-232-SK
M900 Starterkit RS232	OEM-UHF-M900-232-SK
M950 Starterkit RS232	OEM-UHF-M950-232-SK

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