

# TagTrans® contact- and wireless Identification

## Read/Write Electronic for RFID Transponders with Bluetooth Interface

RFID identification system for UHF, HF and LF Transponders.

The RFID Read/Write device is mainly used as a hand held reader to identify objects, like cans, beer kegs, pressure cylinders,...and persons or live stock. The **Bluetooth Technology** realises a contact less - wireless operation. Best example is a Mobile Computer in the driver's cabinet connected wireless to the TagTrans reading milk cans or gas bottles around a truck. Or it is used as a fixed device for applications in the factory automation, access control, etc.

### TagTrans®



- ✓ ATEX E EX nL IIC T6
- ✓ Communication protocol ASCII or Binary
- ✓ Communication Interface serial RS232 via BT
- ✓ Transparent mode, RoHS compliant

- ✓ Easy to handle, robust body, highest protection against dust and submerge under water, IP68
- ✓ Industrial Bluetooth Class 1+ EDR module
- ✓ Connection to PDA's, PCs, Mobile Computers with Bluetooth - USB Stick, CF, SD, PC Cards or integrated Bluetooth (Mobile Phones)
- ✓ Beeper, LED indicators for Power, Signal, Communication Control
- ✓ Made for work outside, industrial areas, rough environment, on vehicles, metal pressure cylinders...
- ✓ Compact design, small size: 48 mm Ø x 220 mm
- ✓ Low power consumption, power management utility for integrated batteries
- ✓ integrated front side antenna
- ✓ reading distance from touch up to 100 mm, depending on HF or LF transponder type, up to 600 mm on UHF
- ✓ Operating Temperature -20C to +85C  
Storage Temperature -40C to +85C

### Ordering Information TagTrans:

Produkt / product	TagTrans® Beschreibung / description
TagTrans - UHF	MultiTag Read/Write electronic for ISO 18000-6C, EPC Class1 Gen2 (UCODE G2XM, G2XL, etc...)
TagTrans - HF	MultiTag Read/Write electronic for ISO 15693, ISO 14443 A/B, (I-Code, Tag-it, My-D, etc...)
TagTrans - LF	MultiTag Read/Write electronic for 125 / 134 kHz and ISO-Animal Tags
TagTrans - Gem+	Read/Write electronic Gem+ Series 210 and 240 Tags

### FlexiScan®



### Ordering Information for the enhanced option FlexiScan:

Produkt / product	FlexiScan Beschreibung / description
FlexiScan - HF -1, /-10, /-36	MultiTag Read/Write electronic for ISO 15693, ISO 14443 A/B, (I-Code, Tag-it, My-D, etc...) with flexible extension (metal hose) of 1, 10, 36 cm length (others on request)
FlexiScan - LF - 1, /-10, /-36	MultiTag Read/Write electronic for 125 / 134 kHz and ISO-Animal Tags with flexible extension (metal hose) of 1, 10, 36 cm length (others on request)
FlexiScan - Gem+ -1, /-10, /-36	Read/Write electronic Gem+ Series 210 and 240 Tags with flexible extension (metal hose) of 1, 10, 36 cm length (others on request)

## Ordering Information for Accessories:

Accessories for TagTrans <sup>®</sup> and FlexiScan	
Produkt / product	Beschreibung / description
<b>USB BT Stick</b>	Bluetooth USB Adapter 2.0 + EDR Bt200
<b>Cradle</b>	Cradle with power supply

## Available Micro Engine RFID Modules (Read/Write)

## UHF 860 - 960 MHz

RF Transmit Frequency	865 - 868 MHz (EU), 902 - 928 MHz (USA), 952 - 954 MHz (JP)
Supported Standards UHF	ISO 18000 - 6C, EPC Class1 Gen2
Supported Tag-ICs for UHF	UCODE G2XM UCODE G2XL, and compatible ISO..

## HF 13.56 MHz Multi ISO / Mifare Easy / Wiegand Mifare Easy

RF Transmit Frequency	13.56MHz			
Supported Standards HF	ISO14443A, ISO14443B, ISO 15693, ISO 18000-3, NFC enabled, I-CODE			
Supported Tag-ICs for HF Multi ISO	Mifare <sup>®</sup> Standard Mifare <sup>®</sup> 4k Mifare <sup>®</sup> Pro Mifare <sup>®</sup> Ultralight Mifare <sup>®</sup> DESFIRE Mifare <sup>®</sup> SmartMX	I-CODE SLI (SL2 ICS 20) I-CODE EPC (SL2 ICS 10) I-CODE UID (SL2 ICS 11) I-CODE NFC (Reader To Tag Mode) SLE 55Rxx SRF55VxxP+S SLE 66CL160S SLE 66CLX320P	SR176 SRIX4K LRI 64 LRI 512 EM4135 KSW Temp Sens <sup>®</sup> Tag-it <sup>™</sup> HF-I Standard Tag-it <sup>™</sup> HF-I Pro	Jewel Tag Sharp B ASK GTML ASK GTML2ISO TOSMART P032/P064 ISO14443A Tags ISO14443B Tags ISO15693 Tags ISO18000-3 Tags

## HF 13.56 MHz

RF Transmit Frequency	13.56MHz
Supported Tag-ICs For HF 13,56 MHz	Gem+ / Tag-Sys, ARI0 10/210, ARI0 40/240

## LF 125/134 kHz Multi Tag

RF Transmit Frequency	125 kHz, 134,2 kHz			
Supported Standards LF	ISO 11784, ISO 11785, ISO 18000-2			
Supported Tag-ICs for LF Multi ISO	Hitag 1 Hitag 2 Hitag S	Q5 EM4X02 EM4X05 (ISO FDX B) EM4X50	TI-RFID Systems	134.2 kHz: 64Bit R/O 64Bit R/W 1088Bit Multipage

## Bluetooth Module

WT11 - Class 1 Bluetooth<sup>®</sup> EDR Module

Key Features	<ul style="list-style-type: none"> <li>▶ <i>Bluetooth</i> Class 1</li> <li>▶ Two antenna options: internal chip antenna or U.FL connector</li> <li>▶ Enhanced Data Rates (EDR) with data throughput up to 2-3Mbps</li> <li>▶ Support for Adaptive Frequency Hopping (AFH) and 802.11 co-existence</li> <li>▶ 8Mb of flash memory</li> <li>▶ Supported <i>Bluetooth</i> profiles: SPP, HFP, HFP-AG, OBEX OPP and DUN, + HCI</li> <li>▶ Simple iWRAP<sup>™</sup> firmware for controlling <i>Bluetooth</i> wireless technology</li> <li>▶ Fully qualified end product <i>Bluetooth</i> 2.0+ EDR, CE, FCC and IC</li> </ul>
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