

# BlueTank® Contact- and Wireless Nozzle Reader

Read/Write Electronic for RFID Transponders, Communication with industrial Bluetooth



## BlueTank®

An RFID secured Refuel System with Industrial Bluetooth

- ☑ BlueTank RFID Reader directly fixed on the Nozzle
  - ☑ Bluetooth Class 1, up to 100m, Bluetooth 2.1 + EDR
  - ☑ Passive Tag on Car / Truck Tank Fuel, Filler Neck
  - ☑ ISO 18000 compatible, integrated RFID Read/Write electronic
  - ☑ Refuel for authorized cars only
  - ☑ Refuel Pump is activated for Tags with clearance only
- Made in Austria / EU

- ☑ Low power consumption by power management utility for integrated batteries
- ☑ integrated front side antenna
- ☑ reading distance from touch up to 350 mm, depending on transponder type,
- ☑ Programmable motion sensor to switch the device ON and OFF
- ☑ Operating Temperature -20C to +65C
- ☑ Storage Temperature -40C to +85
- ☑ CE, FCC, ATEX option: Zone 2 (Zone 1 on request)
- ☑ Easy to handle, robust body, highest protection against dust and submerge under water, IP69
- ☑ Industrial Bluetooth Class 1, Bluetooth 2.1 + EDR module
- ☑ Connection to Controllers, PCs, Forecourt-Management systems
- ☑ LED indicators for Power, Signal, Communication Control
- ☑ Made for outside operations, industrial areas, rough environment, on mobile tankers
- ☑ Compact and ergonomic design, small size

## Supported Transponders

### Decoder RFID Modules (Read/Write) - BT Module

#### 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	MONZA 4 + 5, UCODE G2XM, UCODE G2XL, and compatible ISO 18000-6C...

## Embedded Bluetooth Module

### WT11 EDR Module

WT11 is a next-generation, class 1, Bluetooth 2.1 + EDR module. It's a highly integrated Bluetooth module, containing all the necessary elements from Bluetooth radio to antenna, and a fully implemented **iWRAP** protocol stack.

## BlueTank® Nozzle Reader

Typenbezeichnung / Product Code		
BLT-UHF2-BT-G	BlueTank with UHF Decoder and BT Interface G-type-housing	

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Accessoires see pricelist

## BlueTank®

- Fully automatic recording of all refuelling events and helps to avoid fuel theft



### BlueTank®

#### Secure refuelling by vehicle identification

The BlueTank nozzle reader identifies a vehicle by a tag which is close to the filler neck, if the tag is in whitelist the pump will switch on

- Fully automatic registration of all refuelling events.
- Protection against fuel losses



### BlueTank Transponder / Accessoires

Transponder passend für jedes Fahrzeug  
Montageklammern für ELAFLEX, OPW, PIUSI, etc...  
Bluetooth Adapter  
USB / Seriell  
Kleber für Transponder



### BlueTank Controller

#### mit integriertem GPS und GSM/GPRS Kommunikation

#### Remote Interface with integrated GPS and GSM/GPRS

- stellt die Verbindung zwischen BlueTank Leser und der Tankvorrichtung her
- arbeitet Offline und Online
- hat die Freigabeliste für die autorisierten Fahrzeuge gespeichert

- Interface between BlueTank reader and Dispenser
- works On / Offline
- has whitelist of authorized vehicles stored



### BlueTank Terminal

#### Tankstellenterminal mit Anzeige, Tastatur und Kartenleser

- Der Terminal steuert bis zu 16 BlueTank Zapfhahn Leser
- controller for up to 16 BlueTank
- interface RS485, RS232, Ethernet, GSM/GPRS

- Betriebstankstellen für Bauhöfe, Kommunen, Transportunternehmen, Spediteure, Baufirmen.
- Facility petrol station for municipals, transport and construction companies

