



Identification systems

# RFID evaluation system DTE with EtherCAT



RFID 125 kHz / RFID 13,56 MHz



**RFID DTE103 with web server for device setup, diagnosis and monitoring**

**Robust RFID antennas in different designs**

**Increased range through optional antenna adapters**

**Connection of RFID antennas, sensors or actuators**

**Simple connection of the antennas via standard cables up to 20 m**



## Always know what's going on

ifm RFID systems are optimised for quality assurance and production control, e.g. for identifying tools or monitoring production steps.

What used to be written in the documents accompanying the goods is now stored on electronic transponders. Advantage: the information cannot get lost and is available at any time and anywhere.

## New: DTE103 evaluation unit with EtherCAT

EtherCAT is the fastest Ethernet technology with exceptional performance. The free network topology flexibly adapts to the plant structure. Switches and hubs are not required. This saves costs.

The devices can be exchanged during operation. This ensures a high plant uptime. The automatic address allocation simplifies set-up and device replacement. Specialist IT knowledge is not required.



## Advantages of ifm's RFID solutions:

### Easy integration

Data access to the transponders is fast and simple, via the provided function blocks as well as directly via the process image of the controller.

### Integrated web server

All evaluation units have an integrated web server. Users can log in via an HTTP address to fully access the device.

### Antennas, digital I/O and sensors

Each evaluation unit offers four sockets to connect up to four RFID antennas. Unused RFID antenna inputs can also be configured for use as digital inputs or outputs. Two digital sensors can be connected to each socket set as an input; and an actuator to each output.

### Versions with different interfaces

#### New: DTE103 with EtherCAT

This version offers a high performance and free network topology.

#### DTE104 with TCP/IP and SAP/ERP connectivity

This new RFID evaluation unit is ideal for direct connection to PCs, industrial PCs or PLCs that have no standardised fieldbus interface. Users can access all connected antennas, sensors and actuators via TCP/IP protocol.

The integrated LINERECORDER AGENT simplifies the integration into SAP/ERP systems. This system solution facilitates the extension of the production process by additional functions.

#### DTE100 with Profibus DP

RFID evaluation unit with integrated Profibus DP interface.







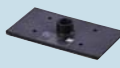

#### DTE101 with Profinet

This evaluation unit is in particular intended for customers with a Siemens controller.

#### DTE102 with EtherNet/IP

This version is optimised for controllers from Schneider Electric or Rockwell Automation.

## The products

Description	Order no.
<b>RFID evaluation unit</b>	
 RFID evaluation unit, EtherCAT interface	<b>DTE103</b>
RFID evaluation unit, Profibus DP interface	<b>DTE100</b>
RFID evaluation unit, Ethernet TCP/IP interface	<b>DTE104</b>
RFID evaluation unit, EtherNet/IP interface	<b>DTE102</b>
RFID evaluation unit, Profinet interface	<b>DTE101</b>
<b>RFID antennas</b>	
 RFID antenna 13.56 MHz, M12 design, flush	<b>ANT410</b>
RFID antenna 13.56 MHz, M12 design, non-flush	<b>ANT411</b>
 RFID antenna 13.56 MHz, M18 design, flush	<b>ANT420</b>
RFID antenna 13.56 MHz, M18 design, non-flush	<b>ANT421</b>
 RFID antenna 13.56 MHz, M30 design, flush	<b>ANT430</b>
RFID antenna 13.56 MHz, M30 design, non-flush	<b>ANT431</b>
 RFID antenna 125 KHz	<b>ANT512</b>
RFID antenna 13.56 MHz, ISO 15693	<b>ANT513</b>
 RFID antenna 13.56 MHz, 1 m cable, M12 plug	<b>ANT515</b>
RFID antenna 13.56 MHz, 2 m cable, M12 plug	<b>ANT516</b>
<b>Antenna adapters</b>	
 Adapter to increase the ranges for RFID antenna type M18	<b>E80390</b>
 Adapter to increase the ranges for RFID antenna type KQ	<b>E80391</b>
<b>RFID transponders for: ANT410, ANT411, ANT420, ANT421, ANT430, ANT431, ANT513, ANT515, ANT516</b>	
ID tag/30X2.8/03 – 13.56 MHz, 16 Kbits – FRAM	<b>E80370</b>
ID tag/30X2.5/06 – 13.56 MHz, 896 bits	<b>E80371</b>
ID tag/R20X2.5/06 – 13.56 MHz, 896 bits	<b>E80377</b>
ID tag/30X2.8/03 – 13.56 MHz, 64 Kbits	<b>E80380</b>
ID tag/4.35X3.6/03 – 13.56 MHz, 896 bits, 10 pcs	<b>E80381</b>
ID tag/label 65X30/03 – 13.56 MHz, 896 bits, 500 pcs	<b>E80382</b>
ID tag/label 80X50/03 – 13.56 MHz, 896 bits, 500 pcs	<b>E80379</b>