

The fastest and most flexible RFID ever



RFID evaluation system DTE now with EtherCAT

- 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.







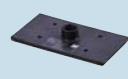
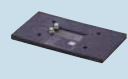
DTE101 with Profinet

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.
RFID evaluation unit	
 RFID evaluation unit, EtherCAT interface	DTE103
RFID evaluation unit, Profibus DP interface	DTE100
RFID evaluation unit, Ethernet TCP/IP interface	DTE104
RFID evaluation unit, EtherNet/IP interface	DTE102
RFID evaluation unit, Profinet interface	DTE101
RFID antennas	
 RFID antenna 13.56 MHz, M12 design, flush	ANT410
RFID antenna 13.56 MHz, M12 design, non flush	ANT411
 RFID antenna 13.56 MHz, M18 design, flush	ANT420
RFID antenna 13.56 MHz, M18 design, non flush	ANT421
 RFID antenna 13.56 MHz, M30 design, flush	ANT430
RFID antenna 13.56 MHz, M30 design, non flush	ANT431
 RFID antenna 125 KHz	ANT512
RFID antenna 13.56 MHz, ISO 15693	ANT513
 RFID antenna 13.56 MHz, 1 m cable, M12 plug	ANT515
RFID antenna 13.56 MHz, 2 m cable, M12 plug	ANT516
Antenna adapters	
 Adapter to increase the ranges for RFID antenna type M18	E80390
 Adapter to increase the ranges for RFID antenna type KQ	E80391
RFID transponders for: ANT410, ANT411, ANT420, ANT421, ANT430, ANT431, ANT513, ANT515, ANT516	
ID tag/30X2.8/03 – 13.56 MHz, 16 Kbits – FRAM	E80370
ID tag/30X2.5/06 – 13.56 MHz, 896 bits	E80371
ID tag/R20X2.5/06 – 13.56 MHz, 896 bits	E80377
ID tag/30X2.8/03 – 13.56 MHz, 64 Kbits	E80380
ID tag/4.35X3.6/03 – 13.56 MHz, 896 bits, 10 pcs	E80381
ID tag/label 65X30/03 – 13.56 MHz, 896 bits, 500 pcs	E80382
ID tag/label 80X50/03 – 13.56 MHz, 896 bits, 500 pcs	E80379