

RFID for machine control with connectivity for SAP/ERP



Wide range of interfaces and now also SAP ready

- Integrated web server for device setup, diagnosis and monitoring
- Connection of RFID antennas, sensors or actuators
- Robust RFID antennas with long writing / reading distance
- RFID antennas for flush and non-flush installation
- Simple connection of the antennas via cables up to 20 m



SAP ready

ifm RFID systems are distinguished by

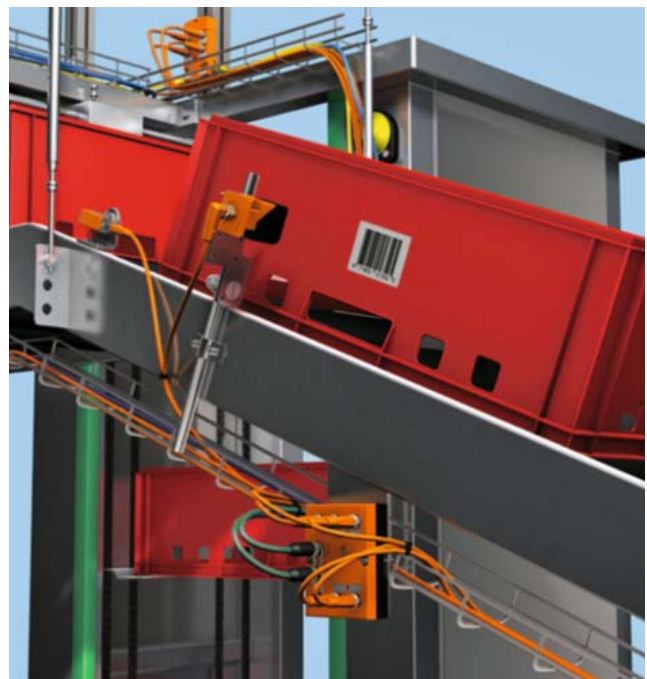
- an excellent price/performance ratio,
- easy installation and
- their robustness.

The new version with Ethernet TCP/IP allows for easy integration into SAP/ERP systems.

Large antenna selection

Another innovation is the robust antennas in M12, M30 and rectangular housing for automation and conveying technology.

Industrially compatible M12 plugs and connection technology from ifm electronic guarantee quick and simple connection of antennas and sensors without complicated wiring.



Different interfaces

New: DTE104 with TCP/IP and SAP/ERP connectivity

These 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.

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.

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. Optionally, unused RFID antenna inputs can also be used to control outputs or to detect digital input signals. Two digital sensors can be connected to each socket set as an input; and an actuator to each output.

Customer benefits

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

With this version of the DTE104 the user is provided with the ASCII protocol.

Application examples

Traceability of products plays an essential role in industry. By integrating LINERECORDER AGENT and SAP Connector the functions "Product Trace" and "Order Management" can be used.

With RFID, materials and products can be unambiguously assigned within the production process.

Here, the functions "Product Trace", "Order Management" and "Material Manager" are used.

Products

	Description	Order no.
RFID evaluation unit		
	RFID evaluation unit, Ethernet TCP/IP interface	DTE104
	RFID evaluation unit, EtherNet/IP interface	DTE102
	RFID evaluation unit, Profinet interface	DTE101
	RFID evaluation unit, Profibus DP interface	DTE100
RFID antennas		
	RFID antenna 13.56 MHz, M12 design, flush	ANT410
	RFID antenna 13.56 MHz, M30 design, flush	ANT430
	RFID antenna 13.56 MHz, M12 design, non flush	ANT411
	RFID antenna 13.56 MHz, M30 design, non flush	ANT431
	RFID antenna 125 KHz	ANT512
	RFID antenna 13.56 MHz, ISO 15693	ANT513
RFID transponders for ANT513, ANT410, ANT411, ANT430, ANT431		
	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