



Fast. Safe. Reliable.

Industrial RFID Identification Solutions



Product Highlights of the Industrial RFID Readers



High Functionality & Flexibility

- Reading, comparing and writing data for near-field applications
- Configuration of alarm modes for high process reliability



Robust Format for Reliable Identification

- High degree of protection of up to IP69K for use regardless of contamination and liquids
- High temperature resistance of RFID readers for reliable use in the temperature range from -25 to $+80$ °C



Smart Communication of Values and Data

- Simple operation through parameterization via IO-Link
- High data transfer speed when writing and reading transponders





Overview of Operating Modes and Functions

Industrial RFID readers enable a quick and reliable identification solution in the near field – thanks to a high degree of protection and temperature resistance even in challenging process environments.



Writing, Reading and Comparing

RFID readers can write transponders with information and read out the data in order to compare them with setpoint values, for example.



Definition of the RSSI Limit Value

Definition of the RFID reader working range by the individual definition of the RSSI limit value.



Alarm Mode

Flexible configuration of up to two alarms depending on RSSI limit values or the minimum presence time of an RFID transponder.



Communication via IO-Link

Parameters can be adapted quickly and easily and process data can be transferred via the existing IO-Link interface.

Numerous Usage Options



Production control



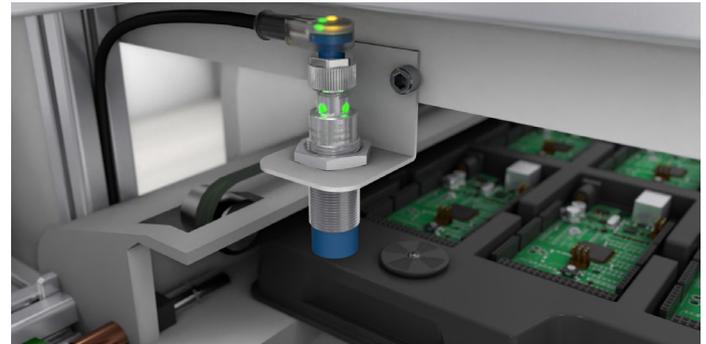
Traceability



Location & stock information

RFID Detection and Control of Workpiece Carriers

In special machine construction, workpiece carriers undergo various processes in one system. RFID readers are installed at several points in the system so that the workpiece carriers are reliably detected and identified at each station. The transponder mounted on the workpiece carrier is recorded and read by the reader and can be provided with new data in order to control subsequent processes.



Track & Trace in the Food Industry with RFID

In the food industry, traceability of products must be ensured at every stage of the manufacturing and processing process. RFID transponders mounted on the food trays are written with data by the RFID readers and read out to ensure traceability at all times.



You can find all the details and even more about industrial RFID on our website.



Product Overview

Product	Format	Working range	Frequency	Interface
 R18A001	M18	0 to 34 mm	13.56 MHz	IO-Link 1.1
 R30A001	M30	0 to 50 mm	13.56 MHz	IO-Link 1.1
 R1QA001	40 × 40 × 67 mm	0 to 78 mm	13.56 MHz	IO-Link 1.1



You can find a selection of suitable transponders on our website.



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www.wenglor.com
info@wenglor.com