

Ludwigshafen, 7 April 2020

## iDTRONIC's New Professional RFID Readers

### RFID Reader Series for Industry 4.0 Productions

iDTRONIC as leading supplier for RFID Reader, has extended its product range with 3 Professional Readers. The high-performance RFID Professional Reader are available in 3 different versions: **DESFire Panel Reader**, **DESFire M30 USB Reader** and **RFID Reader for Quality Control**. This RFID Reader have already been developed for current customer needs and are successfully used by some customers. They are ideally suited for a variety of applications within large **industrial automation processes** in the context of **Industry 4.0** and **IoT environments**.

#### ► PERFECTLY EQUIPPED FOR NEAR-FIELD ENVIRONMENTS

The **Professional RFID Reader Series** works in **Near-Field environments** mit der **RFID HF Frequenz: 13.56 MHz**. They support the Standard **ISO 14443A/B, ISO 15693, ISO 18000-3M3/EPC HF Gen2** and **HID iClass**. RFID Transponder and RFID Tags can be read out with all current **MIFARE and EM Chips**. The RFID Reader Modules are standardized and are applicable under the highest safety standards. A **Software development kit** with **Demo Software for Windows Systems** is provided. This allows an easy integration of the RFID reader into your existing systems.

#### ► DESFire PANEL READER: ACCESS CONTROLS ON MACHINES



The **DESFire Panel Reader** is a **wired RFID reader** for integration into **machine controls** for **access control identification**. The connection is possible with a **USB VCP** or optionally with a **RS232** connection. The front has a notch for the **integration of a keyfob**. The integrated **LED status indication** indicates a successful tag communication. The **integrated Antenna** transmits the data either **cyclically with individual transmission (continuous operation)** or **manually (on/off)**. **DESFire**

**Panel Reader** was especially developed for **near-field environments with short reading ranges** of maximum 2 cm. This ensures that only **authorized personnel** has access to the machine control.

**More Information:** [DESFire Panel Reader](#)

#### ► DESFire M30 USB READER: ASSEMBLY LINE ELECTRONIC PRODUCTION



The **DESFire M30 USB Reader** is a **RFID reader in M30 housing** for integration on assembly lines for high-volume production or parts production within the electronics industry. The **integrated Antenna** transmits the data of the RFID tag or RFID label. **DESFire M30 USB Reader** was especially developed for **near-field environments with short reading ranges** of maximum 2 cm. The correct allocation of parts and goods within the individual process steps is important for smooth production. As soon as an

electronic part or a good is not mounted in the right place, an error message appears. The reject rate can be reduced through the use of RFID technology. The RFID reader has a **USB VCP connection**. This allows a connection to any device with a USB port.

**More Information:** [DESFire M30 USB Reader](#)

#### ► RFID READER FOR QUALITY CONTROL: QUALITY CONTROLS



The **RFID Reader for Quality Control** is a **compact RFID reader** for connection to machines or assembly lines. The RFID Reader has an **Ethernet interface with RJ45 connector**. This is used both for data transmission and for power supply (**PoE**). Power can also be supplied via **+24 Vdc M12** connection. The RFID reader or quality control takes over the entire quality control process within a production. The **integrated Antenna** sends the data directly to a system to avoid possible production errors.

Optionally, the RFID reader can also be upgraded with an **external SMA antenna**. Personnel costs for quality control are reduced by using RFID technology.

**More Information:** [RFID Reader for Quality Control](#)

## ► iDTRONIC's SERVICE FEATURES

Our **RFID Professional Reader Series** is certified to **RoHS and REACH**. The **RFID Readers** are delivered with a **software development kit for Windows systems**. It supports the **programming languages: Binary command protocol, VS2005 C++ Library**. With the help of our **demo software introduction**, the SDK simplifies the connection to your existing systems.

► **Software Development Kit: [Download](#)**

► **Demo Software Introduction: [Download](#)**

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***You need an own firmware for your application?  
iDTRONIC offers customer-specific firmware adaptations on request.***

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## PLEASE CONTACT US FOR QUESTIONS ABOUT OUR PRODUCT PORTFOLIO



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