

Ludwigshafen, 30 September 2020

iDTRONIC's RFID On-Metal Asset Tags

Valid RFID On-Metal Asset Tracking in demanding **Industry 4.0** Environments



Our **RFID Asset Tags** were developed for **On-Metal applications** in challenging **Industrial 4.0** environments. We offer different form factors as a kind of RFID Transponder or RFID Label for **tool management, part tracking** or **small containers**. The robust housing promises a **valid application** under **extreme conditions**. The RFID Tags use the international **RFID UHF** frequency and are available for both **EU** and **US** sites.

► Industrial High-Performance Processes with the **Apollo Series**



The **RFID Apollo Tag Series** impresses with a flat and compact design which was developed especially for demanding processes within industry 4.0 manufacturing. The RFID Tag has **IP68 protection class as standard**. The extended **Paintshop**

Version with IP69K protection class is especially suitable for Paintshop processes. It can withstand high temperatures in **industrial furnaces or during painting processes in automotive production up to +260 °C** thanks to the robust **ceramic high-performance engineering polymer** housing. The high **reading range of up to 12 metres** validly identifies the integrated RFID chip.



► Datasheet: [RFID Apollo Tag Series](#)

► Tool Tracking and IT Management with the **Pluto Series**



The **RFID Pluto Tag Series** is available in two different versions. The **Standard Version** can be easily attached to **IT systems, hand tools** or **production equipment** with a high-performance adhesive. The **Embed Version** is suitable for integration **within pipes or electronic devices**. RFID Pluto Tags **withstand vibrations and shocks**

thanks to the MIL STD 810-G standard. The RFID Tags work in



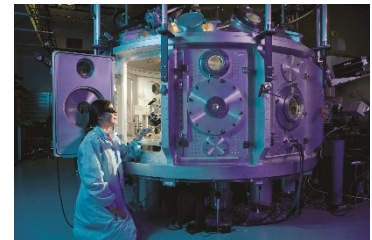
temperature environments from - 40 °C to + 85 °C. Thanks to the **IP68 protection class**, the ceramic housing is protected against external influences such as dust and water.

► Datasheets: [RFID Pluto Tag](#) | [RFID Pluto Embed Tag](#)

► Identification of Medical Tools with the **Bit Series**



The **RFID Bit Tag Series** captivates by a flat design which was especially developed for the **identification and allocation of medical instruments**. **Bit Alpha and Bit Gamma Tag** can be perfectly **integrated into surgical tools** due to their rectangular shape. The **Bit Beta Tag** is suitable for **small medical tools** due to its round form factor. **Bit Gamma Autoclavable Version** was specially developed for **sterilisation processes with special pressure vessels**. They withstand **high temperatures of up to 180 °C**.



► Datasheets: [RFID Alpha Tag](#) | [RFID Beta Tag](#) | [RFID Gamma Tag](#)

► Container and RTI-Management with the **Log Series**



RFID Log Tag Series impresses with its robust design, which was specially developed for the **identification of containers in returnable load carrier management**. The **engineering plastic** of the RFID Log Tag is suitable for outdoor environments and for exposure to water and pollutants thanks to its **IP68 protection**. **Global RFID frequencies** in the range 865 – 928 MHz supports the global version of the log tag. The identification of more distant objects is possible with the high **reading range of up to 15 metres**.



► Datasheet: [RFID Log Tag Serie](#)

► Warehouse and Internal Office Processes with **Smartwave Series**



The **RFID Smartwave Label Series** are special **RFID Labels with adhesive function**. Especially for **warehouse management processes for labelling boxes**, they can be optimally used as RFID Labels. Internal **process flows with files or folders** can be optimised with the help of our **RFID Smartwave Labels**. The RFID Label is available as **60 cm or 80 cm Version**. The integrated **Monza R6P RFID Chip** reads the data on the RFID label with a **reading range of up to 6 metres**.



► Datasheet: [RFID Smartwave Label Serie](#)

► Mobile RFID Tracking of **RFID On-Metal Asset Tags**



Our **RFID scanners C9 Black and C9 Black GUN** offer the optimal solution for mobile identification of RFID asset tags. Mobile Computers are characterised by excellent performance. The integrated **RFID UHF Reader** can validly read the RFID tags and transmit them to an external system. Short ranges of up to 1.5 metres are no problem for the C9 Black handheld scanner. The C9 Black GUN can handle longer reading ranges of up to 10 metres. The advantage to the C9 Black GUN is the **integrated ergonomic grip**. This RFID scanner provides a portable solution for successive operations in multiple locations. The C9 Black is ideally suited for RFID tag capture for archiving or data collection.



More Information

- **C9 Black:** <https://en.idtronic-rfid.com/handheld-computers/uhf/c9-black>
- **C9 Black GUN:** <https://en.idtronic-rfid.com/handheld-computers/uhf/c9-black-gun>

► **iDTRONIC's SERVICE FEATURES**

The RFID Asset Tags are available with numerous personalisation options. Optionally we offer **laser engraving** with your name or logo. We encode your RFID Tags using **standard, NDEF or crypto-coding**. On request, we deliver the RFID Asset Tags with an **Excel spreadsheet** containing all coding details. The RFID Tags can be delivered **pre-sorted in the packaging**.

PLEASE CONTACT US FOR QUESTIONS ABOUT OUR PRODUCT PORTFOLIO



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