

► **Unleashing the Power of RFID Mobility** **An In-Depth Look at iDTRONIC's C9 RED Mobile Terminal**

In the rapidly evolving landscape of mobile data collection and RFID technology, iDTRONIC's **C9 RED mobile terminal** stands as a beacon of innovation and functionality. With its robust design, versatile capabilities, and user-friendly interface, this device has carved a niche for itself in industries ranging from logistics and manufacturing to healthcare and retail. In this article, we will delve deep into the features, specifications, and applications of the iDTRONIC C9 RED mobile terminal, exploring how it empowers businesses to streamline operations and enhance efficiency.

► **General Hardware Specifications**

The iDTRONIC C9 RED boasts a robust and ergonomic design, built to withstand the rigors of industrial environments. Its hardware specifications include:

- **Processor:** The C9 RED is powered by a high-performance Cortex **A53 2.0 GHz quad-core** processor, ensuring swift and efficient data processing, essential for real-time applications.
- **Display:** Equipped with a vivid (**720*1440 resolution**) and robust **5.5 inch Gorilla Glass** touchscreen display, users can navigate the device effortlessly, view data, and interact with applications comfortably.
- **Operating System:** Running on the up-to-date **Android 13**, the C9 RED leverages a familiar and user-friendly OS, allowing for easy integration of applications and customization.
- **Wireless Connectivity:** With built-in **Wi-Fi, Bluetooth, GPS** and **4G LTE**, the device ensures seamless communication, both within the organization and with remote servers or cloud platforms.
- **Cameras:** Equipped with a **13-megapixel rear camera** with autofocus lens and LED flash as well as a 5-megapixel front camera, reporting damage in the maintenance area has never been easier.

- **Barcode scanner:** The built-in barcode scanners read both 2D QR codes and 1D barcodes on product packaging.
- **Battery Life:** The C9 RED's extended battery life (5,200 mAh) ensures uninterrupted operation throughout the workday, reducing downtime and improving productivity.

▶ RFID Capabilities

The standout feature of the iDTRONIC C9 RED is its RFID capabilities. It is equipped with **integrated RFID reader modules** that support various frequencies, including **LF** (Low Frequency), **HF** (High Frequency incl. **NFC and LEGIC**), and **UHF** (Ultra High Frequency). This versatility and high reading ranges makes it suitable for a wide range of applications, such as:

- **Asset Tracking:** The C9 RED simplifies asset management by allowing users to swiftly scan RFID tags on equipment, inventory, or assets, providing real-time updates on their location and status.
- **Inventory Management:** Businesses can achieve greater accuracy and efficiency in inventory management by using the device to perform RFID-based stock counts and updates.
- **Access Control:** The device can be utilized for secure access control systems, enabling authentication via RFID-enabled cards or badges.
- **Retail:** In the retail sector, the C9 RED can be employed for inventory tracking, reducing stockouts, and enhancing the shopping experience through quick and accurate price checks.

▶ Software and Customization

iDTRONIC recognizes that one size does not fit all, and hence, the C9 RED is highly customizable. The device comes with iDTRONIC'S **Software Development Kit (SDK)** including a configuration tool for **Android Studio & Eclipse systems**, which supports the **Javascript** programming language. Utilizing the SDK simplifies and facilitates the connection to existing systems and networks.

► Applications in Various Industries

The iDTRONIC C9 RED mobile terminal finds applications across **diverse industries** thanks to its **integrated IP65-Standards**, optimally protecting the device against environmental influences such as dust, water, dirt and ambient conditions:

- **Logistics and Supply Chain:** In logistics, it streamlines operations with accurate tracking, reducing errors in shipping and receiving.
- **Manufacturing:** Manufacturers benefit from improved quality control and inventory management.
- **Healthcare:** Hospitals use the device for patient tracking, medication administration, and asset management.
- **Retail:** Retailers employ the C9 RED for inventory control and pricing accuracy.

The iDTRONIC C9 RED mobile terminal embodies the convergence of cutting-edge technology, durability, and versatility. Its RFID capabilities, combined with its robust hardware and adaptable software, make it an indispensable tool for businesses seeking to optimize their operations and enhance productivity. As industries continue to evolve, the C9 RED stands ready to empower enterprises with the mobility and efficiency they need to thrive in the modern world.

More Information on iDTRONIC's C9 RED Mobile Terminal

Product Website: <https://idtronic-rfid.com/en/mobile-rfid-2/>

Order Codes: UHF: R-HH-C9R-UHF
HF: R-HH-C9R-HF
NFC: R-HH-C9R-NFC
LEGIC: R-HH-C9R-LEGIC
LF 125 kHz : R-HH-C9R-LF
LF 134.2 kHz : R-HH-C9R-134

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