

## MOBILE RFID C9 RED GUN



## PRODUCT DESCRIPTION

The powerful C9 RED GUN is a true revolution in rugged handheld computing with ergonomical pistol grip. Its 5.5 inch touch screen together with resolution of 720\*1440 display shall match high standards in industry 4.0 and IoT applications in demanding environments.

Capable of capture, extract, and analyze data in extrem and remote environments with its IP65 housing and a operating time of up to 8 hours\*, the iDTRONIC handheld computer is perfectly suitable for field applications such as aviation, public safety, construction, field sales and the maintenance sector.

The Android™ 13 - powered C9 RED GUN operates on a high performance Cortex A53 2.0 GHz octa-core processor with 3 GB RAM/32 GB ROM memory (Optional: 4 GB RAM/64 GB ROM). The device is only 20.4 mm thick and weights just 600 grams including battery.

A variety of handheld configurations with different barcode modules are available. The C9 RED GUN is available with UHF: 865 – 868 MHz / 920 – 925 MHz. It can be combined with an 2D Barcode imager which allows easy inventory control and reporting. Thanks to the built-in 13 megapixel rear camera with Auto-focus lens + LED flash and a 5 megapixel front camera, damage reporting in the maintenance area never have be easier.

The C9 RED GUN from iDTRONIC offers connectivity wherever you need it. It features double insurance of 4G & WIFI network and highly secured Android 10.0 system shall provide the high speed data communication and perfect security guarantee. Beside the hardware, the C9 RED GUN product family offers an extensive range of documentation, accessories and warranty extensions that support your business applications in the best way.

*\* battery power varies per product, duration and application*

### ► APPLICATIONS

- Logistics Applications
- Access Control
- Asset Tracking
- Maintenance

### ► FEATURES

- UHF Reader
- Optional: 2D Barcode Reader
- 7.200 mAh Li-Ion Battery\*
- Android™ 13 "Tiramisu"
- 4G LTE | Bluetooth | WiFi
- 5.5" Gorilla Glass Touchscreen
- 13 MP Rear | 5 MP Front Camera
- Autofocus with LED Flash
- IP65 Protection Class
- Android Studio or Eclipse
- SDK Included

### ► RFID OPTIONS

- UHF (EPC C1 GEN2 | ISO 18000-6C)

## TECHNICAL DATA

### PHYSICAL CHARACTERISTICS

Dimensions	171 × 81 × 20.4 mm ±2 mm (without pistol grip and UHF shield)
Weight	600 g (including battery & wrist strap)
Display	Though 5.5 in. TFT-LCD (720 × 1440) Touch screen with backlight
Backlight	LED backlight
Expansions	2 PSAM, 2 SIM, 1 TF
Battery	Rechargeable li-ion Polymer 3.8 V, 7.200 mAh*
Camera	Rear 13 megapixel, front 5.0 megapixel Auto-focus with LED flash

### PERFORMANCE CHARACTERISTICS

CPU	Cortex A53 2.0 GHz octa-core
Operating System	Android 13.0
Storage	3 GB RAM   32 GB ROM or 4 GB RAM   64 GB ROM, MicroSD (max 265 GB expansion)

### USER ENVIRONMENT

Operating Temperature	-20 °C to +50 °C
Storage Temperature	-20 °C to +70 °C
Humidity	5% RH to 95% RH (non-condensing)
Drop Specifications	5ft./1.5 m drop to concrete across the operating temperature range
Protection Class	IP65, IEC compliance
ESD	±15 kv air discharge, ±8 kv direct discharge

### PROGRAMMING ENVIRONMENT

Operating System	Android™ 13 "Tiramisu"
SDK	Online available
Language	Javascript
Environment	Android Studio or Eclipse

### COMMUNICATION

WLAN	2.4 GHz/5.0 GHz Dual Frequency, IEEE 802.11 a/b/g/n/ac
WWAN	TDD-LTE Band: 38,39,40,41 FDD-LTE Band: 1,2,3,4,7,17,20 WCDMA (850/1900/2100MHz) GSM/GPRS/Edge (850/900/1800/1900MHz)
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.2
GPS	GPS (embedded A-GPS), accuracy up to 5 m

### 2D BARCODE IMAGER

Honeywell N6703 2D Scan Engine  
Newland NLS-CM60/Newland NLS-N1

Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes, US PostNet, US Planet, UK Postal, Australian Postal, nJapan Postal, Dutch Postal. etc.
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### RFID UHF READER

Frequency	865 – 868 MHz   920 – 925 MHz
Protocol	EPC C1 GEN2 / ISO 18000-6C
Antenna Gain	Circular (4 dBi)
Reading Ranges	up to 6 m**

### SUPPORTED STANDARDS | TAGS

ISO 18000-6C	Standard ISO 18000-6C (EPC Class 1 Generation 2) E.g.: Alien Higgs 2/3/4, Impinj Monza, NXP UCODE, etc.
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### PSAM SECURITY (OPTIONAL)

Protocol	ISO 7816
Baudrate	9600, 19200, 38400,43000, 56000, 57600, 115200
Slot	2 slots (maximum)

\* battery power varies per product, duration and application

\*\*reading range depending on tag, tag orientation and environmental conditions

## APPLICATION EXAMPLES

### ACCESS CONTROL

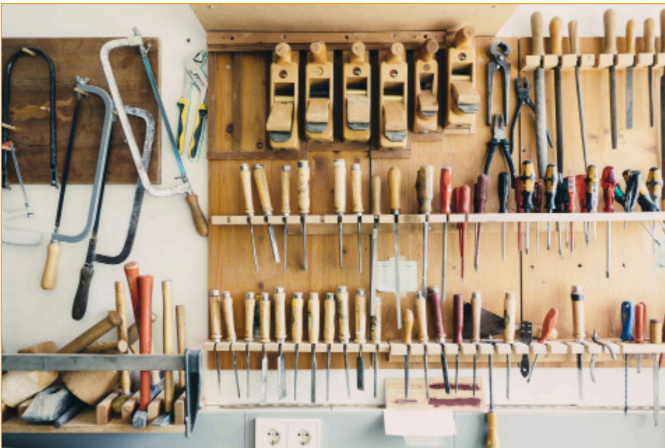


Access controls are widespread nowadays. Public organizers, sports events or trade fairs use this technology.

The identification of trade fair visitors and exhibitors on the basis of the trade fair pass can be easily determined by the powerful RFID scanner.

Especially with weather-related outdoor use in front of exhibition halls, the device withstands no problems thanks to its IP65 protection class. Temperature fluctuations do not affect the C9 RED UHF GUN from -20 to +50 °C.

### ASSET TRACKING



The tracking and assignment of assets within industrial applications is important. In automatic processes the right asset has to be identified fast for a specific procedure. Also it has to be available.

The C9 RED UHF GUN identifies the assets availability with its RFID immediately. The data like usage time and lifecycle will get automatically transferred to the external data server for statistics.

This increases the workflow and the efficiency of the respective process. The assets are always available and ready for use.

### MAINTENANCE



Maintenance processes within workshops have to be organized conscientious. Customer inquiries for workshop appointments have increased in the last years.

The tracking of the parts, accessories, etc have to be on the right place at the right time. Availability must be guaranteed.

The C9 RED UHF GUN identifies with the serial number of the device the right part or accessory and thus ensures a smooth maintenance process.

The customer satisfaction will be increasing.



## PRODUCT PICTURES



## ORDER CODES

VERSIONS	ORDER CODES
Mobile RFID C9 RED GUN - UHF	R-HH-C9R-UHF-GUN
BARCODE OPTIONS	ORDER CODES
Mobile RFID C9 RED GUN - 2D Barcode Scanner	R-HH-C9R-UHF-2D
ACCESSORIES	ORDER CODES
Mobile RFID C9 RED GUN - Desktop Cradle	R-HH-C9R-UHF-DTC
Mobile RFID C9 RED GUN - USB-C Data Cable	R-HH-C9R-GUN-PSC
Mobile RFID C9 RED GUN - Wall Power Supply	R-HH-C9R-GUN-POS
Mobile RFID C9 RED GUN - Standard Battery	R-HH-C9R-GUN-PSC