



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 “Tiramisu” - powered C9 RED GUN operates on a high performance Cortex A73 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 13.0 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.

APPLICATIONS

- Logistics Applications
- Access Control
- Asset Tracking
- Maintenance

FEATURES

- UHF Reader
- Optional: 2D Barcode Reader
- 7.200 mAh 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

ELECTRICAL SPECIFICATIONS

Battery	Rechargeable li-ion Polymer 3.8 V, 7.200 mAh*
Backlight	LED backlight
Expansions	2 PSAM, 2 SIM, 1 TF
ESD	±15 kv air discharge, ±8 kv direct discharge
Baudrate	9600, 19200, 38400,43000, 56000, 57600, 115200
Drop Specifications	5ft. / 1.5m drop to concrete across the operating temperature range
Antenna Gain	Circular (4 dBi)
Reading Range	up to 6 m**

COMMUNICATION SPECIFICATIONS

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

MECHANICAL CONDITIONS

Dimensions	171 × 81 × 20.4 mm ±2 mm (without pistol grip and UHF shield)
Weight	600 g (including battery & wrist strap)
Protection Class	IP65, IEC compliance
CPU	Cortex A53 2.0 GHz octa-core
Storage	3 GB RAM 32 GB ROM or 4 GB RAM 64 GB ROM, MicroSD (max 265 GB expansion)
Camera	Rear 13 megapixel, front 5.0 megapixel Auto-focus with LED flash
Display	Though 5.5 in. TFT-LCD (720 × 1440) Touch screen with backlight

ENVIRONMENTAL CONDITIONS

Operating Temperature	-20 °C up to +50 °C
Storage Temperature	-20 °C up to +70 °C
Humidity	5% RH to 95% RH (non-condensing)
Protection Class	IP65, IEC compliance
Protocol	EPC C1 GEN2 / ISO 18000-6C

2D BARCODE IMAGER

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, Japan Postal, Dutch Postal. etc.
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SDK INFORMATION

Supported OS	Android™ 13 "Tiramisu"
SDK	Online available
Supported Languages	Javascript
Environment	Android Studio or Eclipse

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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SCOPE OF DELIVERY

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* battery power varies per product, duration and application

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

ORDER CODES

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

