

# Handheld Computer C4 Red



## Features

- Android 4.4.2 OS
- Large 5.0" TFT-LCD
- Gorilla Glass 3 Screen
- Li-Ion Polymer Battery
- Wi-Fi/Bluetooth/GSM/GPS/3G
- 1D/2D Barcode Reader Optional
- Rear 8 MP Camera
- Optional Fingerprint Reader
- Optional PSAM Security
- ETSI & FCC Frequencies
- IP65

## RFID Options

- UHF (EPC C1 GEN2 / ISO18000-6C)

The C4 Red is a rugged Android Handheld Computer with integrated UHF RFID reader and circular antenna. With its compact and light-weight design as well as multiple mobile data capture options, C4 Red from iDTRONIC is the right mobile device choice for all kinds of outdoor and indoor uses.

A powerful mid-range UHF reader and the latest communication technology ensure reliable work on the go. C4 Red runs on a high performance Cortex A7 dual core processor, which enables enhanced work efficiency, better task flow and quicker responsive time.

Thanks to Android 4.2.2 OS, six function keypad and capacitive multi-touch display with LED backlight it is intuitive and easy-to-use - exactly the way you use your personal smart devices. A 8 megapixel camera with auto-focus is also available.

IP65 rated C4 Red Handheld features global UHF support and 3G mobile telecommunications technology. 1D/2D Barcode readers as well as fingerprint reader and PSAM security are optional.



## Technical Data

Physical Characteristics	
Dimension	170 x 85 x 23mm
Weight	Net 370g (including battery & wrist strap)
Display	5.0 in. TFT-LCD IPS (480 × 854) touch screen with LED backlight
Keypads	3 TP keys, 6 function keys, 4 side buttons
Expansions	2 PSAM, 1 SIM, 1 TF
Battery	Rechargeable li-ion polymer, 3.7V, 4500mAh

Performance Characteristics	
CPU	Cortex-A7 1.2GHz Dual Core
RAM/ROM	1GB/4GB
Storage	MicroSD (max. 32GB expansion)

Programming Environment	
Operating System	Android 4.2.2

User Environment	
Operating Temp.	-20 to 50°C / -4 to 122°F
Storage Temp.	-20 to 70°C / -4 to 158°F 10% - 90%RH (Non-condensing)
Drop Specifications	1.5 m / 5ft. drop to concrete across operating temperature range
ESD	±15kv air discharge, ±8kv direct discharge
Sealing	IP65

Communication	
WLAN	Wi-Fi IEEE 802.11b/g
WWAN	WCDMA(850/2100MHz), GSM/GPRS/Edge 850/900/1800/1900MHz)
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.0
GPS	GPS(embedded A-GPS), accuracy of 5 m

1D/2D Barcode Reader (optional)	
1 D laser engine	Honeywell N431x
Symbologies	All major 1D barcodes
2D CMOS Imager	Symbol SE4500
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.

Fingerprint Reader (optional)	
Sensor / Type	FPC 1011 / Capacitive, area sensor
Resolution	508 DPI
Performance	FRR<0.008%, FAR<0.005%
Capacity	1000

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

RFID Reader	
<b>UHF</b>	
Frequency	865 - 868MHz / 902 - 928Hz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna Gain	Circular antenna 2dBi
R/W Range	Up to 1.5 meters (tags and environment dependant)

Camera	
Resolution	8.0 megapixel
Lens	Auto-focus with LED flash

## Order Codes

Version	Order Code
C4 Red UHF (865 - 868MHz / 902 - 928MHz)	R-HH-C4R-UHF

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