



# Handheld Computer C4 Tablet

## Features

- Android 4.4.2
- Large 7.0" TFT-LCD
- Gorilla Glass 3 Screen
- Li-Ion Polymer Battery
- Wi-Fi/Bluetooth/GSM/GPS/3G
- 1D/2D Barcode Reader Optional
- Rear and Front Camera
- Optional Fingerprint Reader
- IP65

## RFID Options

- UHF (EPC C1 GEN2 / ISO18000-6C)
- HF (ISO14443A, ISO15693)
- LF (ISO11784, ISO11785)

The powerful C4 Tablet is a rugged Android 4.4.2 industrial tablet with 7 inch high-definition LED backlight touch screen and integrated RFID reader. It operates on a high performance Cortex A7 1.3 GHz quad-core processor with 1GB RAM and 16GB of ROM.

Robust C4 Tablet is only 30 mm thick and weighs just 500 grams including battery. Its portable size is ideal for all applications in the industrial fieldwork. The rugged IP65 housing is built to withstand in any tough environment.

Users can select between a fully integrated UHF (ETSI/ FCC), 13.56 MHz HF, or 125 kHz LF reader. Data capturing is easy, thanks to the built-in 8 megapixel rear camera with LED flash and 2 megapixel front camera. An optional 1D Barcode Scanner or 2D Barcode imager complete the package.

C4 Tablet from IDTRONIC offers connectivity wherever you need it. It features the latest network communication technology including, Wi-Fi, WCDMA, GSM/GPRS/Edge, Bluetooth and embedded A-GPS. For enhanced safety and convenience the C4 Tablet is also available with Fingerprint Reader.



## Technical Data

### Physical Characteristics

Dimension	210 x 130 x 20mm
Weight	Net 500g (including battery & wrist strap)
Display	7.0 in. TFT-LCD (720x1280) touch screen with LED backlight
Keypads	1 side button
Expansions	1 SIM, 1 TF
Battery	Rechargeable li-ion polymer, 3.7V, 10000mAh

### Performance Characteristics

CPU	Cortex A7 1.3 GHz quad-core
RAM/ROM	1GB/16GB
Storage	MicroSD (max. 32GB expansion)

### Programming Environment

Operating System	Android 4.4.2
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### User Environment

Operating Temp.	-20 to 50°C / -4 to 122°F
Storage Temp.	-20 to 70°C / -4 to 158°F 5% - 95%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	IEEE 802.11 b/g/n
WWAN	WCDMA (850/1900/2100MHz); 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	Symbol SE955 / Honeywell N431x
Symbologies	All major 1D barcodes
2D CMOS Imager	Honeywell N6603
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes, US PostNet, US Planet, UK Postal, Austrian Postal, Japan Postal, Dutch Postal.etc.

### Fingerprint Reader (optional)

Sensor / Type	TCS1CT/ Capacitive, area sensor
Resolution	508 DPI
Performance	FRR<0.008%, FAR<0.005%
Capacity	1000

### PSAM Security (optional)

Protocol	ISO7816
Baudrate	9600, 19200, 38400,43000, 56000, 57600, 115200
Slot	2 slots (maximum)

### RFID Readers

	UHF	HF	LF
Frequency	865 - 868MHz / 902 - 928Hz	13.56MHz	125kHz
Protocol	EPC C1 GEN2 / ISO18000-6C	ISO14443A ISO15693	-
Antenna Gain	Circular antenna 2dBi	-	-
R/W Range	Up to 1.5 meters (tags and environment dependant)	Up to 8 centimeters	Up to 8 centimeters

### Supported Standards / Tags

ISO18000-6C	Standard ISO 18000-6C (EPC Class 1 Generation 2) E.g.: Alien Higgs 2/3/4, Impinj Monza, NXP UCODE, etc.
ISO14443 A and compatible	Read/write: MIFARE® DESFire®EV1 2K / 4K / 8K, MIFARE® Classic Mini / 1K / 4K, MIFARE Ultralight®, MIFARE Ultralight® C, MIFARE® Plus S / X, MIFARE® Pro X, NTAG 21x  Read UID only: Read UID only of all other ISO14443A RFID tags
ISO15693 and compatible	EM4135, EM4043, EM4x33, EM4x35, I-Code SLI / SLIX, M24LR16/64, TI Tag-it HF-I, SRF55Vxx (my-d vicinity)
LF (125kHz)	Read/write: Hitag 1, Hitag 2, Hitag S, Titan (EM4050), EM4450/4550 and compatible tag types  Read only: EM4200, FDX-B, Unique, Zodiac, and compatible tag types

### Camera

Resolution	Rear: 8.0 megapixel Front: 2.0 megapixel
Lens	Auto-focus with LED flash

## Product Versions



Version with Touchscreen



Version with optional Fingerprint Reader

## Order Codes

Version	Order Code
C4 Tablet UHF ETSI (865 - 868MHz)	R-HH-C4T-UHF
C4 Tablet UHF FCC (920 - 925MHz)	R-HH-C4T-UHF-FCC
C4 Tablet HF (13.56MHz)	R-HH-C4T-HF
C4 Tablet LF (125KHz)	R-HH-C4T-LF

Options	Order Code
1D Barcode Scanner	xx-1DBC
2D Barcode Imager	xx-2DBC
Fingerprint Reader	xx-FPR

Accessories	Order Code
Spare Battery	R-HH-C4R-PS

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