



Handheld Computer C4 Blue

Features

- Android 4.x OS
- Google Play Market
- Large 4" Screen
- Dual-battery System
- WI-FI/GPRS/GPS/HSPA+
- High-speed 2D Barcode
- RFID LF/HF/UHF Bands
- ETSI & FCC Versions
- IP64

RFID Options

- UHF (EPC C1 GEN2 / ISO18000-6C)
- HF (ISO14443A/B, ISO15693)
- LF (ISO11784/5)

Description

Handheld C4 Blue is a series of Android powered smart PDAs, with data capture, data processing, wireless communication and multiple RFID options. It is extremely versatile and highly reliable in daily use.

Available with UHF, HF or LF, and including the latest communication technology, this flexible mobile device is a complete solution for your business.

This RFID Handheld Computer is the right choice for almost any application. It meets industrial standards and is designed to support various mobile solutions. With the build-in high performance Cortex-A9 1GHZ dual core processor technology, you benefit from simplified task flow, enhanced work efficiency and shortened responsive time. The C4 Blue is convenient and easy to use.

C4 Blue meets IP64 (IEC sealing) and is suitable for various RFID applications like logistics, asset tracking, inventory management, delivery service, access control and chain retail. Whether indoor or outdoor, with C4 Blue your business is always connected and highly efficient.

The powerful C4 Blue comes with world wide band WCDMA 3G technology and 2D Barcode Scanner. Multi-channel data and voice communication guarantee real-time communication and data efficiency.



Technical Data

Physical Characteristics	
Dimension	153 x 75 x 29mm / 6.02 x 2.95 x 1.14in.
Weight	330g / 11.64oz. (includes main battery)
Display	4 in. WVGA (480 x 800) TFT-LCD, capacitive dual touch
Keypad	3 function buttons, 3 side buttons, 4 TP touch key-press buttons
Battery	Main bat. rechargeable li-ion battery 3200mAh Pistol bat. rechargeable li-ion battery 5200mAh (with pistol grip)
Expansion slots	1PSAM, 1SIM
Audio	0.5Watt speaker, build-in microphone
Interfaces	USB Micro-B, serial port RS-232 (TTL)

Performance Characteristics	
CPU	Cortex-A9 1GHz Dual Core
RAM	1GB RAM
Storage	4GB FLASH, MicroSD max. 32 GB expansion

Programming Environment	
Operating System	Android 4.0.4
SDK	iDTRONIC software development kit
Language	Java
Tool	eclipse

User Environment	
Operating Temp.	-10 to 50°C / 14 to 122°F
Storage Temp.	-40 to 70°C / -40 to 158°F 5% - 95%RH (Non-condensing)
Tumble Spec.	1,000times, 0.5m/1.64ft tumbles, rolling by six contact surface, meets and exceeds MIL-STD810G
Sealing / Drop Spec.	IP64; 1.2 meter drop to concrete, 6 drops per 6 sides over operating temperature range
ESD	+/-15kv VDC air discharge +/-8KV VDC direct discharge

Communication	
WLAN	Wi-Fi IEEE802.11b/g/n
WWAN & Voice	GPRS (EDGE, 850/900/1800/1900MHz) WCDMA / HSDPA / HSPA+ (850 / 1900MHz or 850 / 2100MHz) GSM / GPRS / EDGE (850 / 900 / 1800 / 1900MHz)
WPAN	Bluetooth specification v2.1+EDR Bluetooth specification v3.0+HS compliance Bluetooth v4.0 Low Energy (LE)
GPS	GPS (Embedded A-GPS)

Barcode Scanner	
2D Imager Scanner	
2D CMOS laser scanner	Symbol SE4500
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, A ztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

RFID Reader	
LF (Optional)	
Frequency	125KHz, 134KHz (FDX-B / HDX)
Protocol	ISO11784/5
Chips	1) R/O ID card eg. EM4100/4200, TK4100 2) R/W ID card eg. EM4305/HITAG S 3) Animal tags 4) Others for customization
R/W Range	2 - 8cm (FDX-B), 2 - 16cm (HDX)
HF (Optional)	
Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693
Chips	MIFARE® Classic 1K/4K, MIFARE Ultralight®, MIFARE® DESFire® EV1 2K/4K/8K ICODE II, TI2048, LRI64K
R/W Range	2 - 8cm / 0.79 - 3.15in.
UHF (Optional)	
Frequency	865 - 868MHz / 920 - 925MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Linear polarization (2dBi)
Power	1W (+10dBm to +30dBm)
R/W Range	1 to 5m / 3.28 to 16.4ft. (tags and environment dependant)

Certifications	
	

Accessories (Standard)



AC Adapter

Snap-on Charger

USB Cable

Pistol Grip

Accessories (Optional)



Desktop Cradle

Carrying Case

Spare Battery

Order Codes

Version	Order Code
LF	R-HH-C4B-LF
HF	R-HH-C4B-HF
UHF (865 - 868MHz)	R-HH-C4B-UHF
UHF (920 - 925MHz)	R-HH-C4B-UHF-NA

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