(((SOLTRONIC
THE RFID COMPANY

Mobile RFID

C9 RED TABLET

PRODUCT DESCRIPTION

The powerful C9 RED Tablet is a true revolution in rugged tablet computing. The 8 inch tablet help drive efficiency and productivity in ways that were never previously possible. It was especially designed for Industry 4.0 and IoT Applications in demanding environments.

Capable of capture, extract, and analyze data in extrem and remote environments with its IP67 housing and a operating time of up to 8 hours*, the Soltronic handheld computer is perfectly suitable for field applications such as aviation, public safety, construction, field sales and the maintenance sector. The Android™ 10 - powered C9 RED Tablet operates on a high performance Quad A53 1.5 GHz oc-ta-core processor with 4 GB RAM / 64 GB ROM memory. The device is only 18 mm thick and weights just 600 grams including battery.

A variety of tablet configurations with different Barcode & RFID modules are available. Users can select between a fully integrated UHF (ETSI / FCC), 13.56 MHz HF - NFC | LEGIC, or 125 kHz LF reader. On the other side it can be combined with an 2D Barcode imager which allows easy inventory control and reporting. Thanks to the bu-ilt-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 Tablet from Soltronic offers connectivity wherever you need it. It features the latest network communication techno-logy including, Wi-Fi, WCDMA, GSM/GPRS/Edge, Bluetooth and embedded A-GPS. Beside the hardware, the C9 RED product fa-mily 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

· **Construction Field Sales**
· **Logistics Applications**
· **Stock Management**
· **Public Safety**
· **Retail**

FEATURES

· **8.000 mAh Li-Ion Battery***
· **Android™ 10**
· **4G LTE | Bluetooth | WiFi**
· **8.0" Gorilla Glass Touchscreen**
· **13 MP Rear | 5 MP Front Camera**
· **Autofocus with LED Flash**
· **IP67 Protection Class**
· **Android Studio or Eclipse**
· **SDK Included**

RFID OPTIONS

· **UHF (EPC C1 GEN2/ISO 18000-6C)**
· **HF (ISO 14443 A/B, ISO 15693)**
· **NFC (NFC-IP1, NFC-IP2)**
· **LEGIC (Advant + Prime)**
· **LF (ISO 11784, ISO 11785)**

TECHNICAL DATA

PHYSICAL CHARACTERISTICS

Dimensions	230 × 142 × 18 mm
Weight	600 g
Display	8.0 Inch IPS 1.280 × 800 with Backlight
Keypads	4 TP keys, 4 function keys
Expansions	1 SIM, 1 TF, 2 PSAM
Battery	Rechargeable li-ion Polymer 3.8 V, 8.000 mAh
Interface	USB-C (Quick Charging Mode)
Camera	Rear: 13.0 Megapixel | Front: 5.0 Megapixel Autofocus with LED Flash
Fingerprint Reader	Integrated

PERFORMANCE CHARACTERISTICS

CPU	Cortex A53 2.0 GHz octa-core
RAM | ROM	4 GB | 64 GB
Memory	MicroSD (max. 256 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	1.2 m drop to concrete across the operating temperature range
Protection Class	IP67, IEC compliance
ESD	±15kv air discharge, ±8kv direct discharge

PROGRAMMING ENVIRONMENT

Operating System	Android™ 10
SDK	Online available
Language	Java
Environment	Android Studio or Eclipse

ANTENNA SPECIFI- CATIONS	UHF	HF	NFC	LE- GIC	LF
Frequency	865 – 868 MHz 920 – 925 MHz	13.56 MHz			125 kHz 134.2 kHz (FDX-B/ HDX)
Protocol	EPC C1 GEN2 / ISO 18000-6C	ISO 14443A, 15693	NFC-IP1 NFC-IP2	LEGIC Prime, LEGIC Ad-vant	ISO 11784 ISO 11785
Antenna Gain	Circular (2 dBi)	-			-
Reading Range	1.5 to 2.0 m**	3 to 8 cm**			2 to 10cm**

COMMUNICATION

WLAN	D2.4GHz/5.0GHz Dual Frequency, IEEE 802.11 a/b/g/n/ac
WWAN	► 3G WCDMA B1/2100;B2/1900;B5/850;B8/900; CDMA2000/EVDO 3G:TD/SCDMA ► 4G LTE FDD-LTE: B1/2100;B3/1800;B7/2600;B20/800; TDD-LTE: B38/B39/B40/B41 ► GSM B5/850;B8/900;B3/1800;B2/1900
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.1 Bluetooth v.4.2
GPS	GPS (accuracy up to 5 m)

2D BARCODE IMAGER

2D CMOS Imager	Honeywell N6603/Others
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes, US PostNet, US Planet, UK Postal, Aust-ralian Postal, Japan Postal, Dutch Postal. etc.

SUPPORTED STANDARDS / TAGS

ISO 18000-6C	EPC Class 1 Generation 2 E.g.: Alien Higgs 2/3/4, Impinj Monza, NXP UCODE, etc.
ISO 14443 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 of all other ISO14443A RFID tags
ISO 15693 and compatible	EM4135, EM4043, EM4x33, EM4x35, I-Code SLI / SLIX, M24LR16/64, TI Tag-it HF-I, SRF55Vxx (my-d vicinity)
LEGIC	**Full read/write operation:** LEGIC Advant; LEGIC Prime Smart card cards with Card in Card (CIC) technology Legic Advant type AFS 4096-JP with loaded Legic
ISO 11784 ISO 11785	Read only: EM4100 and EM4200

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

ORDER CODES

VERSIONS	ORDER CODES
UHF	
Mobile RFID C9 RED Tablet - UHF	R-HH-C9T-UHF-2D
HF	
Mobile RFID C9 RED Tablet - HF	R-HH-C9T-HF-2D
NFC	
Mobile RFID C9 RED Tablet - NFC	R-HH-C9T-NFC-2D
LEGIC	
Mobile RFID C9 RED Tablet - LEGIC	R-HH-C9T-LEGIC-2D
LF	
Mobile RFID C9 RED Tablet - LF	R-HH-C9T-LF-2D

ACCESSORIES	ORDER CODES
Handstrap	
Mobile RFID C9 RED Tablet - Handstrap	R-HH-C9T-HST

PRODUCT PICTURES