iDTRONIC
PROFESSIONAL RFID

HANDHELD COMPUTER
C9 TABLET

APPLICATIONS

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

FEATURES

· **UHF | HF | NFC | LF**
· **Optional: 2D QR Code Reader**
· **8.000 mAh Li-Ion Battery**
· **Android™ 10 "Q"**
· **4G LTE | Bluetooth | WiFi**
· **8.0" Gorilla Glass Touch Screen**
· **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 | NFC** (ISO 14443 A/B, ISO 15693)
· **LF** (ISO 11784, ISO 11785)

PRODUCT DESCRIPTION

The powerful C9 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 iDTRONIC 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 Tablet operates on a high performance Quad A53 1.5 GHz octa-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, 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 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 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.

Beside the hardware, the C9 product family offers an extensive range of documentation, accessories and warranty extensions that support your business applications in the best way.

RFID	2D Barcode	4G	GSM	GPRS	Bluetooth	WI-FI	Touch Screen Fingerprint	IP67	13 MP Camera	Android 10
UHF | HF | NFC | LF										

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 A73 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

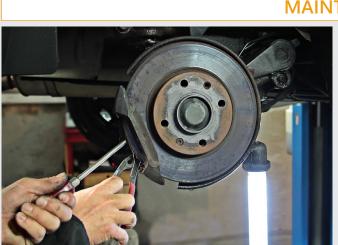|	
Operating System	Android™ 10 "Q"
SDK	Software Development Kit
Language	Javascript
Environment	Android Studio or Eclipse

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, Australian Postal, Japan Postal, Dutch Postal. etc.

RFID READERS

	UHF	HF | NFC	LF
Frequency	865 – 868 MHz 920 – 925 MHz	13.56 MHz	125 kHz
Protocol	EPC C1 GEN2/ ISO 18000-6C	ISO 14443A ISO 15693	ISO 11784 ISO 11785
Antenna Gain	Circular (2 dBi)	−	−
Reading Range	1.5 to 2.0 m*	3 to 8 cm*	2 to 10 cm*

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: 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)
ISO 11784 ISO 11785	Read only: EM4100 and EM4200

READING DISCTANCE DEPENDS ON TAG, ANTENNA AND ENVIRONMENTAL CONDITIONS.

APPLICATION EXAMPLES

MAINTENANCE

Maintenance processes within workshops have to be organized conscientious. Customer inquries for workshop appointments have increased in the last years.

The tracking of the parts, accessories, etc have to be on the right place at the right time. Availability must be guaranteed.

The C9 Tablet L identifies with the serial number of the device the right part or accessoirce and thus ensures a smooth maintenance process.

The customer satisfaction will be increasing.

CONSTRUCTION SITES

Thanks to its IP67 rating, the C9 Tablet L is ideally suited for harsh environments such as construction sites.

The mobile device is resistant to falls of up to 1.2 metres.

Thanks to its smartphone function and the integrated camera, the handheld reader can be used for external agreements via phone.

PRODUCT PICTURES

ACCESSORIES

ORDER CODES

VERSION	ORDER CODE
C9 Tablet (UHF)	R-HH-C9T-UHF-2D
C9 Tablet (HF)	R-HH-C9T-HF-2D
C9 Tablet (NFC)	R-HH-C9T-NFC-2D
C9 Tablet (LF)	R-HH-C9T-LF-2D

ACCESSORIES	ORDER CODE
Handstrap	R-HH-C9T-HST