

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 iDTRONIC handheld computer is perfectly suitable for field applications such as aviation, public safety, construction, field sales and the maintenance sector. The Android[™] 13 "Tiramisu" powered C9 RED 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 | 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 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 RED 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 RED product family 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

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APPLICATIONS

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

FEATURES

- · 8.000 mAh Li-Ion Battery*
- Android™ 13 "Tiramisu"
- · 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

| $\begin{array}{ c $ | PHISICALC | | LINGTIC | 0 | | |
|--|---------------------|------------------|---|-------------|-------------------------|--------------|
| Display8.0 Inch IPS 1.280 × 800 with BacklightKeypads4 TP keys, 4 function keysExpansions1 SIM, 1 TF, 2 PSAMBatteryRechargeable li-ion Polymer 3.8 V, 8.000 mAhInterfaceUSB-C (Quick Charging Mode)CameraRear: 13.0 Megapixel Front: 5.0 Megapixel Autofocus with LED FlashFingerprint ReaderIntegratedPERFORMANCE CHXRACTERISTICSCPUCortex A53 2.0 GHz octa-coreRAM ROM4 GB 64 GBMemoryMicroSD (max. 256 GB expansion)USER ENVIRONMENTOperating Temperature-20 °C to +50 °CStorage Temperature-20 °C to +70 °CHumidity5% RH to 95% RH (non-condensing)Drop Specifications1.2 m drop to concrete across the operating temperature rangeProtection ClassIP67, IEC complianceESD±15kv air discharge, ±8kv direct dischargePROGRAMMING ENVIRONMENTSKOperating SystemAndroid ™ 10 °Q°SDKOnline availableLanguageJavaEnvironmentAndroid ™ 10 °Q°SDKOnline availableLanguageJavaFrequency865 – 868 MHz 920 – 925 MHzProtocolEPC C1 (GEN2 / ISO 18000-6CISO 14443A, 15693ProtocolEPC C1 (GEN2 / ISO 18000-6CISO 1784 ISO 15693Antenna GainCircular (clash)-Protocol1.5 to3 to 8 cm**Paging Range1.5 to | Dimensions | | 230 × 142 × 18 mm | | | |
| Keypads4 TP keys, 4 function keysExpansions1 SIM, 1 TF, 2 PSAMBatteryRechargeable li-lon Polymer 3.8 V, 8.000 mAhInterfaceUSB-C (Quick Charging Mode)CameraRear: 13.0 Megapixel Front: 5.0 Megapixel Autofocus with LED FlashFingerprint ReaderIntegratedFingerprint ReaderIntegrated PERFORMANCE CHARCTERISTICS CPUCortex A53 2.0 GH2 octa-coreRAM ROM4 GB 64 GBMemoryMicroSD (max. 256 G Expansion) USER ENVIRONMENTOperating Temperature -20 °C to +50 °CStorage Temperature -20 °C to +50 °CCortex A53 2.0 GH2 octa-coreHumidity5% RH to 95% RH (non-condensing)Drop Specifications1/2 m drop to concrete across the operating temperature rangeProtection ClassIP67, IEC complianceESD±15kv air discharge, ±8kv direct dischargeOperating SystemAndroid ™ 10 °Q°SDKOnline availableLanguageJavaEnvironmentAndroid Studio or Eclipse ANTENNA SPECIFI- CATIONSUHFHFNFCLEGIC LEGIC NFC125 kHz 1342, kE (FDX-B/ HDX)ProtocolEPC C1 GEN2 (18001S00NFC- IP2LEGIC LGCIC LEGIC Ad- 11784IS0 11784ProtocolEPC C1 GEN2 (1800-6CIS0 14443A, 1569NFC- IP2LEGIC LGCIC Ad- 11784IS0 11784ProtocolEPC C1 <br< td=""><td colspan="2">Weight</td><td colspan="4">600 g</td></br<> | Weight | | 600 g | | | |
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| $\begin{tabular}{ c c c } RAM & 4 & GB & 64 & GB \\ \hline Memory & MicroSD (max. 256 & GB expansion) \\ \hline Memory & MicroSD (max. 256 & GB expansion) \\ \hline USER ENVIRONMENT \\ \hline USER ENVIRONMENT \\ \hline Operating Temperature & -20 °C to +50 °C \\ \hline Storage Temperature & -20 °C to +70 °C \\ \hline Humidity & 5% RH to 95% RH (non-condensing) \\ \hline Drop Specifications & 1.2 m drop to concrete across the operature ture range \\ \hline Drop Specifications & 1.2 m drop to concrete across the operature ture range \\ \hline Protection Class & IP67, IEC compliance \\ \hline ESD & $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$ | PERFORMA | RACTERISTICS | | | | |
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| discharge PROGRAMMING ENVIRONMENT Operating System Android ™ 10 "Q" SDK Online available Language Java Environment Android Studio or Eclipse ANTENNA SPECIFI- CATIONS UHF HF NFC LE- GIC LF ANTENNA SPECIFI- CATIONS 865 – 868 MHz 13.56 MHz 125 kHz Frequency 865 – 868 MHz 13.56 MHz LEGIC ISO 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 3 to 8 cm** 2 to | Protection Class | | IP67, IEC compliance | | | |
| Operating SystemAndroid TM 10 "Q"SDKOnline availableLanguageJavaEnvironmentAndroid Studio or EclipseANTENNA SPECIFI- CATIONSUHFHFNFCLE- GICLFS65 - 868 MHz 920 - 925 MHz865 - 868 MHz 920 - 925 MHz13.56 MHz125 kHz 134.2 kHz (FDX-B/ HDX)ProtocolEPC C1 GEN2 / ISO 18000-6cISO 14443A, 15693NFC- IP1 NFC- IP2ISO Prime, LEGIC Ad- vantISO 11784 ISO 11785Antenna GainCircular (2 dBi)Reading Range1.5 to3 to 8 cm**2 to | ESD | | | | | |
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| $\begin{array}{ c c c c c c } \hline ANTENNA \\ SPECIFI- \\ CATIONS \end{array} UHF HF NFC \begin{bmatrix} LE \\ GIC \end{bmatrix} LF \\ \hline Brequency \\ 920 - 925 \\ MHz \\ 920 - 925 \\ MHz \\ 920 - 925 \\ MHz \\ 13.56 \ MHz \\ 13.56 \ MHz \\ \hline 134.2 \\ kHz \\ (FDX-B/ \\ HDX) \\ \hline Protocol \\ \hline Protocol \\ \hline Protocol \\ \hline Protocol \\ \hline Circular \\ (2 \ dBi) \\ \hline Circular \\ (2 \ dBi) \\ \hline H \\ \hline Circular \\ (2 \ dBi) \\ \hline H \\ \hline H \\ \hline H \\ \hline H \\ NFC \\ IP2 \\ \hline H \\ ISO \\ 11784 \\ ISO \\ 11785 \\ \hline H \\ SO \\ SO \\ 11785 \\ \hline H \\ SO \\ SO \\ 11785 \\ \hline H \\ SO \\ SO \\ 11785 \\ \hline H \\ SO \\ SO \\ 11785 \\ \hline H \\ SO \\ SO \\ 11785 \\ \hline H \\ SO \\ SO \\ 11785 \\ \hline H \\ SO \\ SO \\ 11785 \\ \hline H \\ SO \\ SO \\ 11785 \\ \hline H \\ SO \\ SO \\ 11785 \\ \hline H \\ SO \\ SO \\ 11785 \\ \hline H \\ SO \\ 1$ | Language | | Java | | | |
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| ProtocolEPC C1 GEN2 / ISO 18000-6CISO 14443A, 15693NFC- IP1 NFC- IP2Prime, LEGIC Ad- vantISO 11784 ISO 11785Antenna GainCircular (2 dBi)Reading Range1.5 to3 to 8 cm**2 to | Frequency | MHz 920 – 925 | 134.2 13.56 MHz kHz (FDX-E | | 134.2 kHz (FDX-B/ | |
| Antenna Gain (2 dBi) | Protocol | GEN2 / ISO | 14443A, | IP1 NFC- | Prime, LEGIC Ad- | 11784 ISO |
| Reading Range 3 to 8 cm ² | Antenna Gain | | · · · · · · · · · · · · · · · · · · · | | | |
| | Reading Range | | 3 to 8 cm^^ | | | |

COMMUNICATION D2.4GHz/5.0GHz Dual Frequency, WLAN IEEE 802.11 a/b/g/n/ac ► 3G WCDMA B1/2100;B2/1900;B5/850;B8/900; CDMA2000/EVDO 3G:TD/SCDMA ► 4GITE WWAN FDD-LTE: B1/2100;B3/1800;B7/260 0;B20/800; TDD-LTE: B38/B39/B40/B41 ► GSM B5/850;B8/900;B3/1800;B2/1900 Bluetooth Class v2.1+EDR, WPAN Bluetooth v3.0+HS, Bluetooth v4.1 Bluetooth v.4.2 GPS GPS (accuracy up to 5 m) **2D BARCODE IMAGER** 2D CMOS Honeywell N6603/Others Imager PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes, US Symbologies PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal. etc. SUPPORTED STANDARDS / TAGS EPC Class 1 Generation 2 ISO 18000-6C E.g.: Alien Higgs 2/3/4, Impinj Monza, NXP UCODE, etc. Read/write: MIFARE® DESFire®EV1 2K/ 4K/ 8K, MIFARE® Classic Mini / 1K/ 4K, MIFARE Ultralight®, MIFARE Ultralight® C, ISO 14443 A and MIFARE® Plus S / X, compatible MIFARE® Pro X, NTAG 21x Read UID only of all other ISO14443A RFID tags EM4135, EM4043, EM4x33, ISO 15693 EM4x35, and compatible I-Code SLI / SLIX, M24LR16/64, TI Tag-it HF-I, SRF55Vxx (my-d vicinity) Full read/write operation: LEGIC Advant; LEGIC Prime LEGIC Smart card cards with Card in Card (CIC) technology Legic Advant type AFS 4096-JP with loaded Legic ISO 11784 Read only: EM4100 and EM4200 ISO 11785

* battery power varies per product, duration and application

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

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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





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