# RDC 80

## High-Precision

## GIS Rugged Tablet

IP67

RUNIONE FIELD

**Runione**

The RDC 80 Rugged GIS tablet features an upgraded operating system, high-end processor, and enhanced screen resolution, along with a high-resolutiton camera, significantly improving user experience. Equipped with a professional GNSS positioning module and an helix antenna, it ensures reliable high-precision positioning easily. With wireless data communication and an industrial-grade rugged design, it meets the needs of users across various industries.

The RDC 80 utilizes a full-mode (GPS, Galileo, GLONASS, BeiDou, QZSS, SBAS) professional-grade positioning module, with built-in RTK high-precision algorithms to achieve centimeter-level accuracy. It also supports HAS services, enabling <0.2m positioning accuracy solely through satellite signals.

The RDC 80 features an 8-core 2.0GHz high-speed processor, and certified by Google-certified Android 13.0, ensuring efficient processing of large-scale data for industry users. Its advanced manufacturing process enhances computational performance while significantly reducing power consumption.

The RDC 80 is equipped with an omnidirectional, full-band quadrifilar-helix GNSS antenna, which minimizes internal interference while significantly enhancing satellite reception. This results in better observation data and more accurate high-precision positioning.

Clear and highly screen visiblity under strong sunlight: 800 nits brightness & 1280 * 800 high resolution.

The RDC 80 GIS Tablet supports global 4G wireless data communication networks, with compatibility across all network frequency bands.

Equipped with a 16MP high-definition rear camera with autofocus, the RDC 80 GIS Tablet offers rapid focusing and zero shutter lag, making it easy to handle multimedia image capture and attribute collection.

The RDC 80 is equipped with a removable 8200 mAh high-capacity battery, ensuring over 12 hours of usage time, effortlessly handling intensive work demands.

IP67. 1.2 meter drop. The device offers professional-grade protection, making it resilient in harsh working environments.

QC 3.0 fast charging. Gloves operable and wet-finger compatibility.

**Reliable Rapid Responsible**

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## High-Precision GIS Rugged Tablet

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| SPECIFICATIONS | | |
|---|---|---|
| **SYSTEM** | | |
| Display | 8 inch, 1280 * 800HD, 800nits | |
| TP | 10-point capacitive touchscreen, gloves operable and wet-finger compatibility | |
| CPU | Qualcomm QCM4290 Octa-core 2.0 GHz processor | |
| OS | Android 13.0 | |
| Storage | 6 GB LPDDR4X + 128 GB eMMC | |
| **MULTIMEDIA** | | |
| Rear Camera | 16MP, Autofocus | |
| Front Camera | 8MP, Fixed Focus | |
| Flash | Dual LED Flash | |
| Speaker | Internal x 1, 10cm ＞ 95dB at 1kHz | |
| Mic | Internal x 2, Support noise reduction | |
| Buttons | 1 Power button; 2 Volume buttons; 2 Customizable buttons; 1 Back button; 1 Home button; 1 Menu button. | |
| **SENSORS** | | |
| | Light-sensor | |
| | G-sensor | |
| | Gyroscope | |
| | E-compass | |
| **EXTERNAL PORTS** | | |
| | Nano-SIM card slot * 1 | |
| | Micro SD card slot (SDHC，Max: 256GB) * 1 | |
| | Type-C (USB 2.0 OTG) * 1 | |
| | 14 Pin PogoPin * 1 | |
| | 3.5 mm headphone jack * 1 | |
| **BATTERY** | | |
| Battery | 3.8V, 8200mAh, replaceable | |
| Charging | QC 3.0, 18W | |
| **GNSS** | | |
| Receiver | 1408 Channel | |
| Constellation | BDS | B1I, B2I, B3I, B1C, B2a, B2b |
| | GPS | L1C/A, L1C, L2P (Y), L2C, L5 |
| | GLONASS | G1, G2, G3 |
| | Galileo | E1, E5a, E5b, E6 |
| | QZSS | L1C/A, L1C, L2C, L5 |
| | HAS Service | Support E6 |
| Accuracy | Single Point | Horizontal：< 1.0 m RMS; Vertical: < 2.0 m RMS |
| | RTK | Horizontal：< 1.0 cm + 1 ppm; Vertical: < 1.5 cm + 1 ppm |
| | PPP | 30cm RMS |
| **ENVIRONMENTAL** | | |
| Working Temperature | -20℃ ~ +60℃ | |
| Storage Temperature | -40℃ ~ +70℃ | |
| Humidity | 0-95% RH, non-condensing | |
| ESD | Contact type 8KV, air type 10KV | |
| Water & Dust Proof | IP67 | |
| Drop | 1.2m | |
| **WIRELESS** | | |
| Wi-Fi | 802.11 a/b/g/n/ac (Dual Band 2.4 & 5GHz) | |
| Bluetooth | BT5.1 @BLE | |
| NFC | 13.56MHz, Sense distance ≥ 3cm, support ISO/ 14443 A/B, ISO/ 15693, NFC- IP1, NFC-IP2, M1 Card (S50, S70), CPU Card, NFC Label | |
| Mobile Network(Optional) | TDD-LTE : | B38/B39/B40/B41 |
| | FDD-LTE : | B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B25/B28(b)/B66 |
| | WCDMA/HSPA+: | B1/B2/B5/B8 |
| | GSM/EDGE : | 850/900/1800/1900 |

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**R**eliable **R**apid **R**esponsible