

# RDC 80

## High-Precision

## GIS Rugged Tablet



The RDC 80 Rugged GIS tablet features an upgraded operating system, high-end processor, and enhanced screen resolution, along with a high-resolution 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 visibility 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

# RDC 80

## High-Precision GIS Rugged Tablet



### 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 3-axis
	Gyroscope 3-axis
	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 (RMS)	Single Point	Horizontal: < 1.0 m; Vertical: < 2.0 m
	RTK	Horizontal: < 1.0 cm + 1 ppm; Vertical: < 1.5 cm + 1 ppm

#### ENVIRONMENTAL

Working Temperature	-20°C ~ +60°C
Storage Temperature	-40°C ~ +70°C
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	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