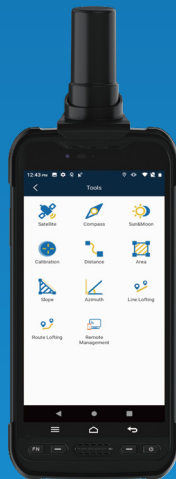# RDC 60

High-Precision

GIS Rugged Mobile Phone

Runlone

The RDC60 Rugged Smart Terminal is the ultimate solution engineered for efficient field data collection. Featuring a full-constellation, multi-frequency GNSS positioning module, it achieves centimeter-level accuracy—perfectly meeting the diverse precision demands of GIS applications in urban planning, infrastructure inspection, resource management, smart water management, and environmental monitoring.

Featuring a 6.0-inch IPS full HD display with a 1080*1920 resolution and a 550nit high-brightness design, it guarantees clear visibility of GIS data, intricate vector graphics, and high-resolution imagery—even under direct sunlight or in bright environments.

Featuring an industrial-grade IP67 design and having passed a rigorous 1.2-meter drop test, the device continues to operate reliably in harsh environments ranging from -20°C to +60°C.

With a suite of wireless connectivity options—including 5G, Wi-Fi 6E, Bluetooth 5.2, and NFC—the device ensures efficient and stable data transmission.

Powered by the Qualcomm QCM4490 octa-core processor and Android 14.0 system, the RDC60 delivers efficient and smooth performance with outstanding system compatibility, effortlessly handling a variety of complex operational scenarios.

Equipped with an 8000mAh high-capacity battery and fast-charging technology, it effectively meets the endurance requirements of prolonged outdoor operations.

The RDC60 handheld device is equipped with a high-performance, high-precision positioning module featuring 1408 channels and full-system support for GPS, GLONASS, Galileo, BDS,QZSS,SBAS. Paired with a four-arm helix antenna, it delivers stable and outstanding centimeter-to-decimeter positioning accuracy, even in the most challenging environments.

Reliable **R**apid **R**esponsible

RDC 60
High-Precision GIS Rugged Mobile Phone

SPECIFICATIONS			
SYSTEM			
Display	6.0"IPS 1080x 1920 FHD 550nits		
TP	Corilla Glass 3/Multi-touch/support glove and wet hands operation		
CPU	Qualcomm QCM4490 Octa-core 2x Gold A78 @2.4GHz + 6x Silver A55@2.0GHz		
OS	Android 14.0 GMS		
Storage	8GB LPDDR4X + 128GB UFS2.2		
MULTIMEDIA			
Camera	16M FF/32M AF		
Flash	Double white LED Flash		
Speaker	≥ 95dB at 1kHz 10cm		
LED Indicator	Two-color (Red / Blue) indicator		
Mic	2* microphone (noise suppression)		
SENSORS			
	Light Sensor		
	Proximity Sensor		
	Acceleration Sensor		
	Magnetic Sensor		
	Barometer		
	Gyroscope Sensor		
EXTERNAL PORTS			
	2*Nano-SIM Card Slot		
	1*Micro SD Card Slot		
	1*USB3.1 Type-C with Rubber Cover		
BATTERY			
Battery	Li-Ion 3.8V 8000mAh (30.4Wh)		
Charging	Support Qualcomm QC 4.0 and PD 3.0 18W/ Reaching 95% ≤ 4.5h		
GNSS			
Channel	1408		
Constellation	BDS:B1I/B2I/B3I		
	GPS:L1/L2/L5		
	GLONASS:L1/L2		
	Galileo:E1/E5b/E5a		
	QZSS:L1/L2/L5		
Accuracy	Autonomous	Horizontal: 1.5m RMS	Vertical: 2.5m RMS
	RTK	Horizontal: 8 mm + 1 ppm	Vertical: 15 mm + 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 12KV		
Protection	IP68		
Drop	1.5m drop to marble		
WIRELESS			
Wi-Fi	IEEE 802.11 a/b/g/n/ac/ax (2.4 & 5GHz Wi-Fi6E)2 x 2 MIMO		
Bluetooth	BT5.2 BLE		
NFC	NFC 13.56MHz, work distance ≥ 3cm		
Mobile Network	5G	FR1 N1/2/3/5/20/28/41/48/66/71/77/78/79	
	FDD-LTE :	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B20/B25/B26/B28/B48/B66/B71	
	TDD-LTE :	B38/B39/B40/B41	
	WCDMA:	B1/B2/B5/B8	
	GSM:	850/900/1800/1900	
CERTIFICATION			
	CE(RED)/ROHS 2.0/REACH/WEEE		
IP68	IEC 60529		
MIL-STD-810H	Shcok Drop test 1.22m/MIL-STD-810H:2019 Method 516.8/Procedure I		

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Reliable Rapid Responsible