





TECHNICAL SPECIFICATIONS

	Product Model	Qmini A10	Qmini A10(CM)	Qmini A10(Pro)	Qmini A10(UWB)
					
GNSS Feature	Positioning Technology	GPS GLONASS BEIDOU	Channel: 184 GPS: L1, L2 GLONASS: L1OF, L2OF BEIDOU: B1, B2 GALILEO: E1, E5 QZSS L1C/A L2 SBAS		
	Initialization	30s (Typical)	30s (Typical)		
	Autonomous	5m	3m		
	SBAS	—	1-3m		
	RTK	—	5cm+1ppm (with spiral antenna) 2cm+1ppm (with AT-35101H)		
	Update Rate	1Hz	1-20Hz		
	UWB	—	—	—	10cm
System Configuration	Operating System	Android 8.1 GMS certified			
	Processor	2.0GHz, 8 core high-speed processor			
	Storage	RAM 6GB, ROM 64GB, supports 128GB T-Flash card			
	Display	5.5 inches outdoor FHD screen, Corning Gorilla Glass 3			
	Resolution	1920×1080, 500cd/m ²			
	Touch Screen	5-point touch, support capacitor glove operation			
	Camera	8M pixel front camera, 13M pixel rear camera, autofocus, highlight LED flash			
Sensor	Accelerometer, distance sensor, light sensor, Angular velocity sensor, geomagnetic sensor, barometer				
Data Communication	Network Type	GSM: 850/900/1800/1900 EVDO: BC0 WCDMA: B1/B2/B5/B8 TDD-LTE: Band34/Band38/Band39/Band40/Band41 FDD-LTE: Band1/Band3/Band4/Band5/Band7/ Band8/Band12/Band20			
	WIFI	IEEE 802.11b/g/n, AP, Wapi			
	Bluetooth	Bluetooth 4.1, BLE			
	USB	Type-C, support OTG			
Battery Feature	Capacity	3.7V, 5500mAh			
	Fast-Charge	3 hours			
	Operation Time (Normal brightness, positioning and connecting internet)	10-12 hours	10-12 hours	9-10 hours	10-12 hours
Modules	Intercom (400-470MHz, 2W)	—	—	UHF analog intercom + DMR digital intercom	—
	Encryption chip	Support			
Physical	Proof	IP67, anti 1.5m free drop			
	Size	165 * 85* 18mm			
	Working temperature	-30~+70°C			
	Storage temperature	-40~+80°C			
	Weight	339g	346g	358g	353g
	Explosion-proof certification	—	—	Exib IIB T4 Gb	—



Qmini A10

High-precision GIS Handheld



Qmini A10(CM)

High-Precision GIS Handheld Collector

Qmini A10(CM) provides a combination of Beidou high-precision positioning, 4G smartphone, with background multi-network interconnection and other functions. It is small with complete functions and a high level of protection. Besides, it is a new type of rugged centimeter-level precision intelligent terminal product. This device can be widely used in industries, such as land and water resource inspection, land survey and electricity power inspection, etc. It can also provide data collection and processing and be applied in key areas of the national economy, such as planning, construction, forestry, agriculture, etc.

Qmini A10(UWB)

High Precision Outdoor & Indoor Positioning Solution

With the integrated antenna of high and low frequency, the Qmini A10(UWB) is full-equipped with the UWB technology, satisfying the needs of full-scene applications, featuring high precision and low power consumption. Besides, when combined with indoor and outdoor high-precision fusion algorithm, it can realize the automatic conversion of the spatial coordinate system with centimetre-level position accuracy.



Data Collection Software

Hi-Q

- Customizable function
- Online Google Maps
- Various collection modes

Hi-Q Pro

- Coordinate system parameters calculation
- Supports more formats
- AR stake out



Hi-Q



Hi-Q Pro

Industrial Application



Land and water resource inspection



Electricity power inspection



Construction



Pipeline



Forestry



Agriculture

Key Features



High and stable positioning accuracy of up to 2cm

- Removable spiral GNSS antenna



Qmini A10(Pro) UHF digital intercom + DMR analog intercom

- Intercom distance can reach 5km
- 400-470MHz, 2W
- Support radio relay



Super performance

- Android 8.1
- 8 core 2.0GHz high-speed processor, 6GB RAM+64GB ROM



Military quality

- IP67, anti 1.5m drop
- 5500mAh battery with 10-12 hours of battery life
- Can normally work at -20°C



FHD screen

- 5.5-inch outdoor FHD screen, resolution 1920 * 1080 Corning Gorilla Glass3
- Super narrow screen border, all side key design
- 500 cd/m²



Integration and expansion

- Bar code/QR code scanning module