

Real-time Tracking, Monitoring & Messaging in the Palm of Your Hand

RockSTAR is a robust portable tracking, messaging and telemetry device designed to keep your remote personnel safe, no matter where or how long they travel. Providing regular GPS location data and 24/7 satellite connectivity, it ensures security, data monitoring, and messaging for anyone: civilians, military, data technicians, fieldworkers, extreme sportspersons, and lone workers. The handset can be modified to obtain use case-specific data from the person - whether that is to keep them safe (e.g. telemetry data) or to gather data insight relevant to the work carried out remotely. RockSTAR ensures your team's connectivity, safety and tracking, while in the field.



Key Features

- Tracking, messaging, IoT or telemetry from your handheld device
- Ruggedised waterproof, dust and sandproof casing - proven in harsh environments
- Portable with long battery life
- Easy to customise in a variety of use cases

Physical & Environmental

Size	144 x 76 x 36mm including antenna
Weight	305g
Storage Temperature	-40 to 85 degrees C
Operating Temperature	-30 to 60 degrees C
Operating Environment	< 75% Relative Humidity
Screen Size	26 x 35mm
Text Colour	Single colour OLED, high visibility
Modem	9602 short burst transceiver
Ingress Rating	IP67, waterproof to 1 metre
Ruggedness	MIL-STD-810 F/G
Usability	Rubberised casing, 5x large user-friendly buttons, 1x Emergency Alert button

Features

Tracker	Preset to report GPS position at interval of choice
Waypointing function	Pin key check-in points on shared location map
Security/Emergency Alert	SOS alert sends message to nominated contact. Message delivery in seconds
Adaptable Firmware & Software	Flexible API to fit IoT data/monitoring software requirements
Data Messaging	Free text or manual message entry

Communications

Iridium Network GNSS	Short Burst Data (SBD) GPS, Dual frequency / Multi-band - 50 Channel
GPS Update Rate	Up to 4Hz position update rate
Time to First Fix	<1s hot, <20s warm, <60s cold
Data /Messaging	Preset messages or SOS can be sent to mobile device/email
Rock7 Connect App	Connect bluetooth device for detailed messaging ease or social media updates
Cloudloop Platform	Visibility of your device and data driven insight

Electrical/Power

Charging Device	USB (5v)
Input Voltage	
Battery Life	Varies according to usage patterns: 12 months transmitting once per day 3 months transmitting once per hour 3 weeks transmitting every 15 minutes

Supporting RockSTAR

Accessories	Arm aquapack cover Car phone charger Additional USB cabling, mounting and soft pouch
SBD Data Plans	Contact us for help selecting the right data plan for your needs