



## ranger+ Ruggedised Smartphones

- » One-Touch SOS Button
- » Indoor & outdoor tracking
- » GPS tracking & geo-fence
- » 3G & 4G networks available
- » 2-way walkie-talkie/radio
- » NFC Proof of Presence
- » Push-To-Talk capability
- » Bluetooth with iBeacon capability

### Oysta Technology

Oysta Technology has been a leader in the GSM - GPS telemetry market for over 10 years.

Combining mobile communication and GPS technology Oysta provides specific hardware and software solutions for safety and security.

Oysta provides its clients with “out of the box” and bespoke software solutions to meet their specific requirements.

### Why a ruggedised device?

- » Rugged lone worker protection
- » Improve staff productivity
- » NFC for proof of presence
- » GPS and Bluetooth iBeacons for indoor and outdoor tracking

### Why use a ruggedised device?

- » Ruggedised lone worker protection
- » Larger battery for a day's work
- » Improve staff productivity
- » Compliance and proof of presence
- » Indoor and outdoor tracking via GPS and Bluetooth iBeacons

### Product description

The Ranger+ range are powerful GSM/GPS/Wi-Fi safety smartphones. They run on an Android OS, and are therefore perfect for utilising the Oysta “MyTraQ” application, which supports both indoor tracking (using Bluetooth iBeacon), outdoor tracking (using GPS) and Proof Of Presence management (NFC tags).

### Indoor and Outdoor Monitoring

The Ranger+ utilises advanced Bluetooth iBeacon (low energy proximity sensing) technologies to determine a device's physical presence indoors.

When the device moves outdoors it will pick up satellite signals to use GPS technology to plot movements.

This technology is ideal for large sites such as; production facilities, warehouses, construction sites and energy plants where there is a need to monitor the movements of staff and contractors.

### IP68 Certified

The devices are dust proof, water proof (up to 1M), and crush proof (up to 1.5 tonnes), making it an ideal choice for even the hardest environments.

### Key features

#### Oysta MyTraQ App

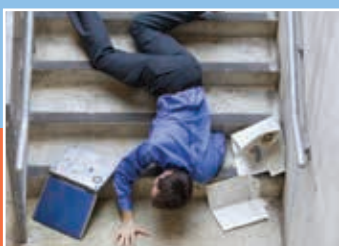
MyTraQ enables One Touch SOS button, if a user is injured or in distress. MyTraQ also supports the Oysta Proof Of Presence platform “Rhonda”.

#### Route history

Set service start/end time and GPS location interval (cycles). The device automatically reports its position to the Oysta platform providing travel history.

#### Timed alerts

Pre-set the alert timer when going into a potential risk area. If users do not cancel the timed alert within the agreed time period an alert will be sent.



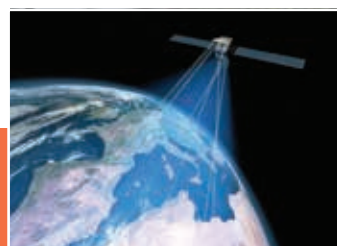
### Fall sensor

Oysta devices are equipped with a fall sensor, which immediately sends out alert information in case of a ‘man down’ situation.



### One-touch SOS button

Just one push of the SOS button will contact a pre-defined number and send a message with location information.



### Simple communication

A variety of options for communicating; mobile GSM, Wireless Two-Radio or Push-To-Talk (PTT) make staying in contact easy.



### GPS safety zones

Monitor movements in and out of areas. Manually update time and location information for compliance or proof of presence.

## General

Dimension (mm - H/W/D)	150.5 x 76.8 x 21-27mm
Weight (g)	280-380g

## Hardware

CPU	MTK6582 ,1.3GHz, Quad core with 3G or 4G (option)
RAM	1GB RAM or 2MB RAM (option)
ROM	8GB ROM or 16GB (option)
Memory Card	T-Flash card, 64GB micro SD
Sim Card	Dual-Sim Card
Battery Type	Detachable Li-Polymer Battery
Battery Volume	3000mAh - 4700mAh (option)
NFC capability	Yes (tags required)
RFID capability	Yes
Sensors	G-sensor, Gyroscope, Compass, Distance, Light
Display	4.5 inches 540 x 960 pixels with 5.0 capacitive touch screen
Camera	Rear 8MP, Front 2MP with 4x digital zoom, highlight flash LED and video capability

## Software

OS	Android 4.4 or 5.1 (option)
Bluetooth	Bluetooth 4.0
Two Way Path	Earphone and receiver (with loudspeaker)
Phonebook	Yes
SMS	Send and receive
GPS	Yes, supports AGPS
WLAN (Wi-Fi)	IEEE 802.11b/g/n
	2G GSM/EDGE 850/900/1800/1900MHz
	3G WCDMA 850/1900/2100MHz EVDO Rev.A and TD-SCDMA
	4G TD-LTE B38/39/40/41 and FDD-LTE 1/2/3/4/5/7/17/20
OTA	Over the air command settings from the Oysta server using the Oysta proprietary protocol
Two Way Radio	400-470MHz talk range 3-5km (open space)
Push-to-talk capability	Yes



Version: May 2017 v.01

## Package contents

The Ranger+ comes in a complete retail package:

- User manual
- Power adaptor & USB cable
- Li-polymer battery
- Hands-free headset
- Radio aerial
- Protective screen film
- Clasp with compass

## Accessories

The following accessories are available:

- Hard protective case
- Pouch
- NFC bags
- Bluetooth | Beacons

## Oysta Technology

The Stables, Greatworth Hall, Greatworth, OX17 2DH, United Kingdom.

Tel: +44 (0) 1295 530101 Email: info@oysta-technology.com

[www.oysta-technology.com](http://www.oysta-technology.com)