

## Rough Pro Smart Phone - Intrinsically Safe Smart Mobile Device



**Zone 1 & 2 Intrinsically Safe Smart Mobile Device designed for use in Hazardous Areas & Harsh Environments.**

**Ex II 2 G Ex ib IIC T4 Gb**

**II 2 D Ex ib IIIC T135°C**

**IP68 Fully ruggedised**

**-20°C to +55°C**



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### Overview

The Extronics Rough Pro is an intrinsically safe smart mobile device designed for use in hazardous areas and harsh environments such as offshore, marine, chemical and industrial environments. The device is certified for use in ATEX, IECEx Zones 1, 2, 21 & 22,

To ensure the applications run flawlessly the device is powered by an android operating system and a powerful quad core processor. The Rough Pro is also equipped with all hardware features that may be expected of a modern Smartphone. The device is integrated into an industrial housing to ensure reliable communication at all times and GPS, Accelerometer, Gyro and Compass options enable 'man-down detection' features to monitor the well-being of employees.

### Features and Benefits

#### High Quality 8MP Camera

Fitted with an 8MP camera to enable high quality photography and video streaming.

#### GPS, Accelerometer, Gyro and Compass

Lone worker protection solutions which enable a man down detections to monitor the well-being of employees in real-time.

#### High Resolution Display

The 4.5" Rough Pro display provides the perfect method to bring real-time information to remote employees. Accurate, on-time and readable.

#### Dual SIM Capability

The unique dual stand by allows for flexible roaming solutions and increased reliability.

#### Bluetooth Accessories

A wide array is available, e.g. gas detection, LEL-meter, in-building localisation, track and trace software, video streaming and manual & automated man down detection.

### Specification

**Certification Type** Ex II 2 G Ex ib IIC T4 Gb, II 2 D Ex ib IIIC T135°C Db

**IP Rating** IP68

**Camera** 8 Megapixel Back / 2 Megapixel Camera Front  
\* Also available without Camera - order code RPRO100-NC

**Display** 4.5 Inch LCD high impact resistant 1280 x 720 with high brightness

**Bluetooth** 4.0

**Wi-Fi** 802.11 b/g/n

**Sensors** GPS, A-GPS, EPO, Accelerometer, Gyro, Compass, Auto light sensor

**Operating System** Android 4.2 Jelly Bean

**Chipset** MTK, MT6589T Cortex A7. PowerVR Series5XT GPU (28nm architecture)

**CPU Speed** Quad core 1.2 GHz

**Memory** 1024 MB / 1 GigaByte or higher with SD upgrade

**Storage Memory** 4 Gigabyte (approx. 1.2 gigabyte free for user) with SD upgrade (max.32GB SD Card)

**Battery** Li-ion minimum 2200 mAh

**Special features** Dual Sim / Dual Standby / Man Down / Track Trace / Bluetooth

**Operating Temp.** -20°C to +55°C

**Dimensions** 76 x 148 x 18mm (WxLxD)

**Weight** 209 G

**Integration** Remote management device software / live video & audio conference streaming applications / push to talk / 3rd party database integration

**Telecom Network Support** GSM:850/900/1800/1900MHz WCDMA:850/1900/2100 MHz High Speed Downlink Packet Access: 42.2 Mbps Uplink speed: 11,5 Mbps

**Certificate Number** KIWA 14ATEX0009, IECEx KIWA 14.0003X

### Ordering Information

#### Description

Zone 1 Intrinsically Safe Smartphone  
Zone 1 Intrinsically Safe Smartphone - No Camera Functionality

#### Part Number

RPRO100  
RPRO100-NC