



## Details

Designed for professional workers operating across some of the worlds most harsh, hostile and hazardous locations. The IS520.1 intrinsically safe smartphone, combines engineer inspection, maintenance and safety applications. Connecting the field to the office.

### **INTRINSICALLY SAFE CERTIFICATION:**

#### **European ATEX Approval**

EX-zone 1/21

II 2G Ex ib IIC T4 Gb

II 2D Ex ib IIIC T135°C Db IP64

#### **Global IECEx Approval**

Zone 1/21

Ex ib IIC T4 Gb

Ex ib IIIC T135°C Db IP64

#### **EAC Russian Approval**

(approved for Russia)

1Ex ib IIC T4 GB X

Ex ib IIIC T135°C Db X

IP 64

#### **CSA North American Approval**

Class I Division 1, Groups A, B, C, D, T4

Class II Division 1, Groups E, F, G

Class III Division 1

#### **INMETRO Brazil Approval**

Ex ib IIC T4 Gb

Ex ib IIIC T135°C Db IP6X

## **CONNECTIVITY SPECS**

Network	GSM: 850/900/1800/ 1900MHz WCDMA: 900/1800/2100 or 850/1900/2100MHz LTE-FDD: B1/B3/B7/B20/B28 LTE-TDD: B38/B39/B40/B41 TD: B34/B39
Data Transfer	Bluetooth® 4.1 LE Near Field Communication WLAN 5GHz: IEEE 802.11 b/g/n/r/AC with hotspot
Location Based Services	GPS, AGPS, Glonass, BeiDou
CPU	Qualcomm Snapdragon 625 (MSM8953)
Memory	3GB RAM 32GB Internal Memory (22GB accessible) External Memory MicroSD up to 32GB (optional)
Display	4,5“ RugDisplay-Glas Multi Capacitive Touchscreen (resolution 854 x 480 pixels) Usable with Gloves
Camera	8MP Rear Camera and 5MP Front Camera (Standard) No Camera IS520.1 Build Version (Optional)
Speaker	Amplified Loudspeaker
Battery	3600 mAh Battery
SIM	Dual Micro SIM
Push-to-Talk	PTT Ready (Airacom Push-to-Talk App/Service required & optional)
Sensors	Location, Gyroscope, Gravity, Ambient Light, Magnetic and Proximity Sensors
Ports	Magnetic Charging Port Device Quick Charge

## **SOFTWARE**

Operating Systems	Android 7.1
Health & Safety	SOS Button Ready (Airacom PTT or AirGuard APPS optional)

**PHYSICAL  
SPECIFICATIONS**

Dimensions (H * W * D)	155 x 80 x 25 mm
Weight	325g
Durability	IP68 Waterproof 30 minutes, up to 2 meters Impervious to dust and microparticles  MIL-STD810G (US Military Standards) Drop-protection, tested against extreme temperatures, barometric pressure, humidity and vibrations.
Operating Temperature	-20° C ~ 60° C
What's Included in the Box	1 pc. IS-520.1 Smartphone (with or without camera) 1 pc. Power Supply 1 pc. 3600 mAh Battery 1 pc. USB Cable 1 pc. Charger 1 pc. Screwdriver 1 pc. Quick Start Guide and Safety Instructions