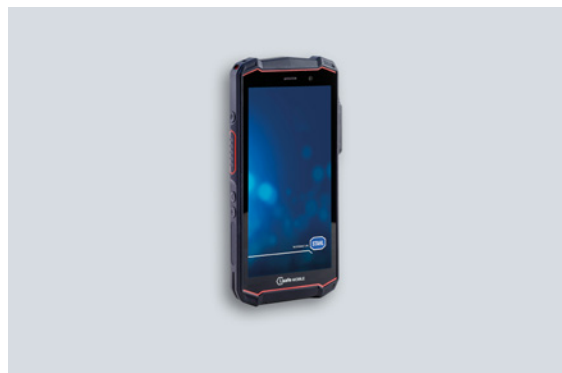


### IS540.M1 Smartphone mining Set Art. No. 319872



- 5G / Wi-Fi 6 explosion-protected phone for mining industry with high-end chip set
- 6" display, 48 MP camera, replaceable 4400 mAh battery
- Android Enterprise Recommended
- Zero touch capable
- MDM compatible
- Programmable red key (e.g. for lone worker protection/SOS)

#### MY R. STAHL MPHONEA



The new 5G smartphone features the latest technology in the explosion protected smartphone segment. With its 6-inch full HD display and a high-end chip set, the smartphone supports a wide range of frequency bands, and its 48 MP main camera produces high-quality images. The high-end processor ensures fast data processing for advanced industrial applications such as predictive maintenance. Since 5G is not the standard everywhere, our portfolio also includes 4G smartphones and other push-button telephones that can be used in many ways with the ISM interface. Other additional modules such as an RSM, PTT headsets, professional barcode scanners and a thermal imaging cameras turn the smartphones into powerful multi-function devices. Our mobile experts will be happy to explain how to best integrate these devices into mobile solutions with other products: [stahl.com">sales.dehm@r-stahl.com](mailto:sales.dehm@r-stahl.com)

### Technical Data

#### General

Technology	Telephone
Version	Smartphone

#### Explosion Protection

Application range (firedamp protection)	M1 M2
Application range	Mining M1, M2
Scope	Mining: EU (CE / ATEX) Mining: Global (IECEX) South Africa (SABS) Australia (RCM)
IECEX certification	EPS 23.0002X
ATEX certification	EPS 23 ATEX 1 012 X
SABS certification	MS/23-0835X
IECEX gas explosion protection	Ex ib IIC T4 Gb
IECEX dust explosion protection	Ex ib IIIC T135°C Db
IECEX Firedamp protection	Ex ia I Ma
ATEX gas explosion protection	Ⓔ II 2G Ex ib IIC T4 Gb
ATEX dust explosion protection	Ⓔ II 2D Ex ib IIIC T135°C Db
ATEX Firedamp protection	I M1 Ex ia I Ma
SABS dust explosion protection	Ex ib IIIC T135°C Db
SABS gas explosion protection	Ex ib IIC T4 Gb
SABS Firedamp protection	Ex ia I Ma

### IS540.M1 Smartphone mining Set Art. No. 319872

---

#### Electrical Data

Processor type	Qualcomm QCM6490
Main memory	8 GB
Data memory	128 GB int. + SD up to 128 GB
Operating system	Android 12
Mobile standard	2G, 3G, 4G, 5G
Interface medium	802.11 a/b/g/n/ac/ax/e/k/r/v
Optional interface 1	Bluetooth 5.2
Optional interface 2	40 MP camera (reverse side)
Addition 3/Option box	5MP front camera
SD card type/size	MicroSD/up to 128 GB
Number of SIM cards	Double SIM
SIM card size	Micro

#### Display

Display size in inches	6.00
Display size in cm	15.24
Display resolution	FHD 1080x2160 pixels
Touch screen	Capacitive
Touchscreen material	Gorilla glass corning 3rd gen.
Backlight	LED technology

#### Ambient Conditions

Ambient temperature	-20 – 60
---------------------	----------

#### Mechanical Data

Degree of protection (IP)	IP68
MIL-standard	810H
Width	85 mm
Height	180 mm
Depth	21 mm
Weight	422 g
Weight	0.93 lb

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.