

IS540.1 Smartphone Set NA Art. No. 319871



- 5G / Wi-Fi 6 explosion-protected smartphone 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)

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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 (zones)	1, 2, 21, 22
Application range (divisions)	Class I, Division 1 Class II, Division 1 Class III
Application range	Zone 1, Zone 21 Zone 2, Zone 22
Scope	Global (IECEX) USA (NEC®) Canada (CE Code)
IECEX certification	EPS 22.0076X
NEC certification	LR3081
CE-Code certification	LR3081
IECEX gas explosion protection	Ex ib IIC T4 Gb
IECEX dust explosion protection	Ex ib IIIC T135°C Db
NEC gas explosion protection	Class I, Div 1, Groups A, B, C, D, T4
NEC dust explosion protection	Class II, Div 1, Groups E, F, G, T4 Class III, Div 1, T4
CE-Code gas explosion protection	Class I, Div 1, Groups A, B, C, D, T4
CE-Code dust explosion protection	Class II, Div 1, Groups E, F, G, T4 Class III, Div 1, T4

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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	5 MP front camera
SD card type/size	MicroSD/up to 128 GB
SIM card number	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
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Mechanical Data

Degree of protection (IP)	IP68
MIL-standard	810H
Width	85 mm
Height	180 mm
Depth	21 mm
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.