

IS440.1 5G Radio Set Art. No. 329475



- Channel selector e.g. for PTT applications
- Programmable red key (e.g. for lone worker protection/SOS) and side key (e.g. for PoC/PTT)
- Additional programmable buttons, M1 & M2, assignable via Button App
- Powerful 4800 mAh battery for extreme runtime as an optional accessory
- Amplified loudspeaker for noisy work environments

MY R. STAHL MPHONEA



The 5G radio ensures secure and failure-free PoC communication via public or campus networks (4G or 5G) or Wi-Fi® in Ex-Zone 1/21. A gateway makes the IS440.1 interoperable with previous radio technologies and enables a seamless integration into existing systems. The 5G radio offers a user-orientated look & feel, a replaceable battery, large buttons for PTT, SOS, talkgroup selection, a powerful front speaker, an ISM interface and a functional fixing clip.

You can download selected apps that are compatible with the device directly from the pre-installed App World and update them regularly. The App World contains product-related, selected push-to-talk and MDM solutions.

Technical Data

General

Technology	Radio
Version	5G radio

Explosion Protection

Application range (zones)	1, 2, 21, 22
Application range	Zone 1, Zone 21 Zone 2, Zone 22
Scope	EU (CE / ATEX) Global (IECEX) South Africa (SANS)
IECEX certification	EPS 23.0069X
ATEX certification	EPS 23 ATEX 1 249 X
SANS certification	MTEEx-S/24.0347 X
IECEX gas explosion protection	Ex ib IIC T4 Gb
IECEX dust explosion protection	Ex ib IIIC T135°C Db IP6X
ATEX gas explosion protection	Ex II 2G Ex ib IIC T4 Gb
ATEX dust explosion protection	Ex II 2D Ex ib IIIC T135°C Db IP6X
SANS gas explosion protection	Ex ib IIC T4 Gb
SANS dust explosion protection	Ex ib IIIC T135°C Db IP6X

Electrical Data

Processor type	Qualcomm QMC6490 Octa core
Main memory	4 GB
Data memory	64 GB
Operating system	ISM-OS
Mobile standard	4G, 5G

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Electrical Data

Interface medium	802.11 a/b/g/n/ac/ax/e/k/r/v
Optional interface 1	Bluetooth 5.2
SIM card number	1x Nano Sim+ eSim
SIM card size	nano + eSim

Display

Display size in inches	2.40
Display size in cm	6.10
Touchscreen material	Gorilla glass corning 3rd gen.
Backlight	LED technology

Ambient Conditions

Ambient temperature	-20 – 55
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Mechanical Data

Degree of protection (IP)	IP68
MIL-standard	810H
Width	71 mm
Height	136.5 mm
Depth	32 mm
Weight	307 g
Weight	0.68 lb

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