

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

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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	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
Interface medium	802.11 a/b/g/n/ac/ax/e/k/r/v

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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
Display resolution	240x320
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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