



Intrinsically safe industrial smartphone



Android 12



Dimensity 900



8+256GB



6.0 inch



NFC



DMR Intercom

Product Introduction

data acquisition multi-mode fusion communication intelligent terminal integrates Powerful 5G network and DMR digital cluster intercom technology to achieve high-speed data transmission and stable communication. RTK high-precision centimeter level Positioning function ensures the accuracy of Position information and meets various high-precision Positioning requirements. The 3W speaker Provides clear and loud sound quality, ensuring clear communication in various environments. In addition, its ability to connect multiple devices greatly enhances the scalability and adaptability of the equipment, meeting the diverse needs of different industries. Providing excellent data collection, communication, and location services for enterprises is an essential tool for digital transformation and efficient work.

- 5G+DMR digital to analog intercom
- RTK high-precision centimeter level positioning
- 3W loudspeaker
- External connection of multiple devices

Customizable explosion-proof

Standard version, Ex Explosion proof version (Ex ib IIC T4 Gb), KA Mining Explosion proof version (Ex ib I Mb)



Application | Dangerous work scenarios



Oil scene



Chemical scene



Refining scene



Coal mine scene



Pharmaceutical scene



Natural gas scenario



Standard accessories



Adapter



Cable



Charger



Screwdriver



Quick guide



Certificate of Conformity
Warranty Card



External devices (optional)



Infrared camera



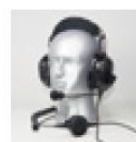
Intercom earphones



Intercom microphone



OTG data transmission



Noise cancellation
headphone



Seat charger



Antenna

Physical parameters	
Three Defense Standards	IP68 (MIL-STD-810G)
IP68 Protection	Waterproof, dustproof, and shockproof
Appearance	Straight board
Colour	Orange Black
Weight	450g
Size (L*W*H)	187*88.7*24.40mm
Performance parameter	
CPU	MT6877 (Dimensity 900) Eight core 2.4GHz
RAM+ROM	8GB+256GB
Expand TF card	Maximum support 512GB
Operating system	Android 12
Screen parameters	
Screen size	FHD+ 6.0 inch
Resolution	1080*2160
Touch Screen	Capacitive screen, multi touch, supports gloves
Main screen material	IPS High definition hard screen
Camera	
Front	13MP
Rear	48MP Main camera+2MP Macro
Flashlight	1High brightness flash
Data network	
Network mode	GSM/WCDMA/CDMA/TD-SCDMA/ LTE-TDD/LTE-FDD/5G NR
Network frequency band	GSM Band: B2/3/5/8 CDMA2000: BC0 WCDMA: B1/2/4/5/8/6/19 TD-SCDMA: B34/39 LTE-TDD: B34/38/39/40/41 LTE-FDD: B1/2/3/4/5/7/8/12/17/20 /26/28AB 5G NR: N1/N3/N5/N8/N20/N28/N38 /N41/N77/N78/N79
Card slot type	Support Micro SIM, Nano SIM, T-Flash block
Bluetooth	BT 5.1
WIFI	802.11 802.11ac/a/b/g/n(Support WiFi 6 function)
NFC	Support
Positioning navigation	GPS+GLONASS+BDS+GALILEO
OTG	Support
Sensor	Gravity sensing, distance sensing, light sensing, compass Gyroscope, barometer, infrared remote control
OTA	Support

Product characteristics	
Hardware intercom	DMR digital analog two in one, supports standard definition of all voice and data services, as well as various encryption methods, high-power 2W, low-power 1W UHF 400-470MHz
	Police 350-400MHz (optional)
	VHF 136-174MHz (optional)
Public network intercom	POC public intercom, specially designed for public intercom with pre-set POC key
Physical buttons	PTT intercom button, POC intercom button, custom button
Speaker	3W sound chamber waterproof speaker
Receiver	Support
Microphone	Support two MIC, anti-interference
Power supply and battery	
Charging interface	Type-C USB 2.0
Charger	Support
Battery capacity	8000mAh Lithium ion polymer built-in battery (4.35V)
Operation temperature	-20°C~+60°C
Additional function (optional)	
16Pin External devices	Intercom earphones, infrared cameras, car/hand microphones, noise cancelling earphones RJ45 interface, RS-232/RS-485 interface, OTG data transmission
Customized options (optional)	
LTE private network module	LTE private network 1.4G, 1.8G, 400M, 600M, 700M, 230M
2D scanning module	Zebra 4710 Infrared Laser Scanning Head
RFID module	902MHz-928MHz, 865MHz-868MHz
ID card module	ID card data reading
Top mounted camera	Support (customizable)
RTK module	RTK Centimeter level high-precision positioning
Explosion proof information	
Certificate No	ECM 20 ATEX-III TD35
Product name	Intrinsically safe industrial smartphone
Product model	M5(EX)
Explosion proof sign	Ex ib IIC T4 Gb IP68
Explosion proof battery	8000mAh
Protection grade	IP68 level
Precautions	1) It is strictly prohibited to charge or copy data in explosive hazardous areas! 2) It is strictly prohibited to charge intrinsically safe lithium batteries in explosive hazardous environments! 3) It is strictly prohibited to use intrinsically safe explosion-proof batteries with non professional accessories in explosive hazardous environments! 4) It is strictly prohibited to disassemble this equipment in explosive hazardous environments! 5) It is strictly prohibited to use any external equipment not provided by our company in explosive hazardous environments!