



## AORO M5-5G Intrinsically safe industrial smartphone



### Product Introduction

AORO M5-5G 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. AOROM5-5G, Providing excellent data collection, communication, and location services for enterprises is an essential tool for digital transformation and efficient work.

### Product Features

- 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



## Nine Layers of explosion-proof · safe and reliable

Physical parameters		Product characteristics	
Three Defense Standards	IP68 (MIL-STD-810G)	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
IP68 Protection	Waterproof, dustproof, and shockproof		Police 350-400MHz (optional)
Appearance	Straight board		VHF 136-174MHz (optional)
Colour	Orange Black		POC public intercom, specially designed for public intercom with pre-set POC key
Weight	450g	Public network intercom	Support
Size (L*W*H)	187*88.7*24.40mm	Physical buttons	PTT intercom button, POC intercom button, custom button
Performance parameter		Speaker	3W sound chamber waterproof speaker
CPU	MT6877 (Dimensity 900) Eight core 2.4GHz	Receiver	Support
RAM+ROM	8GB+256GB	Microphone	Support two MIC. anti-interference
Expand TF card	Maximum support 512GB	Power supply and battery	
Operating system	Android 12	Charging interface	Type-C USB 2.0
Screen parameters		Charger	Support
Screen size	FHD+ 6.0 inch	Battery capacity	8000mAh Lithium ion polymer built-in battery (4.35V)
Resolution	1080*2160	Operation temperature	-20°C~+60°C
Touch Screen	Capacitive screen, multi touch, supports gloves	Additional function	
Main screen material	IPS High definition hard screen	16Pin External devices	Intercom earphones, infrared cameras, car/hand microphones, noise cancelling earphones RJ45 interface, RS-232/RS-485 interface, OTG data transmission
Camera		Customized options	
Front	13MP Pixel	LTE private network module	LTE private network 1.4G, 1.8G, 400M, 600M, 700M, 230M
Postposition	48MP Main camera+2MP Macro pixel	2D scanning module	Zebra 4710 Infrared Laser Scanning Head
Flashlight	1High brightness flash	RFID module	902MHz-928MHz, 865MHz-868MHz
Data network		ID card module	ID card data reading
Network mode	GSM/WCDMA/CDMA/TD-SCDMA/LTE-TDD/LTE-FDD/5G NR	Top mounted camera	Support (customizable)
Network frequency band	GSM Band: B2/3/5/8 CDMA2000: BCO WCDMA: B1/2/4/5/8/6/19 TD-SCDMA: B34/39 LTE-TDD: B34/38/39/40/41 LTE-FDD: B1/2/3/4/5/7/8/12/17/20/26/28A 5G NR: N1/N3/N5/N8/N20/N28/N38 /N41/N77/N78/N79	RTK module	RTK Centimeter level high-precision positioning
Card slot type	Support Micro SIM, Nano SIM, T-Flash block	<b>Explosion proof information</b>	
Bluetooth	BT 5.1	Certificate No	6G250605-SACT093
WiFi	802.11 802.11ac/a/b/g/n(Support WiFi 6 function)	Product name	Intrinsically safe industrial smartphone
NFC	Support	Product model	M5(EX)_A2360
Positioning navigation	GPS+GLONASS+BDS+GALILEO	Explosion proof sign	Ex ib IIC T4 Gb IP68
OTG	Support	Explosion proof battery	8000mAh
Sensor	Gravity sensing, distance sensing, light sensing, compass Gyroscope, barometer, infrared remote control	Protection grade	IP68 level
OTA	Support	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!	

### Standard accessories



### External devices (optional)

