



5G Intelligent Explosion-proof Phone

This explosion-proof rugged smart terminal combines smartphone capabilities with professional two-way radio functions, supporting both DMR digital/analog communication and PoC network intercom. Certified explosion-proof and rated IP68 for water, dust, and shock resistance, it ensures safe and reliable performance in hazardous and challenging environments. Powered by Android 12, with a high-capacity removable battery and versatile expansion options, it is ideal for industries such as emergency response, security, energy, petrochemical, mining, and transportation.

- Certified with IP68, ATEX, IECEX, CE, FCC, and RoHS
- 120dB intercom volume
- HD infrared night vision
- 32MP front camera and 40MP + 2MP rear cameras
- Supports 5G full bands, WiFi 6, Bluetooth 5.1, and facial recognition
- 8800mAh removable battery with long-lasting power
- Memory: 8GB + 256GB (standard), upgradeable to 12GB + 256GB
- Operating temperature: -20°C to +60°C



II 3GD
Ex ic IIC T4 Gc
Ex ic IIIC T135°C Dc
IP65
Ta = -20 °C to +60 °C

IECEX logo

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TECHNICAL SPECIFICATIONS

Item	Description	Remark
Product Features	5G POC phone	
Platform	Dimensity 700	
SW version	Android 12	Google version
Network Mode	5G frequency band	
Band	GMS:850/900/1800/1900 WCDMA:B1/2/5/8 TDD:B34/38/39/40/41 FDD:B1/3/5/7/8/28a/b NR:N1/3/7/8/28/38/41/77/78/79	
Network type	Nano card+standard SIM card,T-Flash card	Support dual SIM dual standby 5G single pass
LCD size/resolution /Screen Type/Size/Pixel	6.583",IPS,FHD(1080*2408)	
Camera	Front 32MP	
	Rear 64MP	
	Rear secondary camera 2MP macro	
Flash Lighting	Support	With flashlight function
Target Internal Memory	8GB+256GB	Upgradeable to 12GB + 256GB
	SD card	UP to 2TB
Target Battery Capacity	9600mAh	Polymer battery,external battery is removable(4.4V high voltage battery)
Size(mm)	183.1*83.2*23MM	
Weight(with battery)	475g	The actual configuration and shipment shall prevail.
Color	Black+black	
Water resistance	IP68	
Touch Lens	Full fit/multi-point +gesture,supports rain and glove	
Vibrator	Support	
Speaker	3040 speakers,support BOX effect	Large speaker design,power 2W,BOX structure design reaches 120db
Receive	1206 shrapnel type	
Microphone	Support dual noise reduction Mic	Support independent intercom MIC
Charger Jack	Type-c USB 2.0/24W fast charging	Support PE2.0 protocol and PD protocol
BT	Support BT5.1	
WIFI	WIFI5(downward compatible),supports WIFI hotspots	Wifi 802.11 a/b/g/n/ac 2.4G/5.8
FM	Support	
GPS navigation	GPS/BEIDOU/GLONASS/GALILEO	
Senso	Gravity sensor	
	Distance sensing	
	Light sensing	
	Compass	
	Gyro	
	Face recognition	
	Air pressure detection	
OTG	Support	
Desk Charger	Support	
Fingerprint recognition	Support	
NFC	Support	
Public network intercom/POC	Support AORO POC walkie talkie APP	
Input	Touchscreen	
External Keys	Power key	Side buttons(physical key +fingerprint)
	Volume +/-keys	Side keys(physical keys)
	PTT key	Side keys(physical keys)
	POC key	Side keys(physical keys)
	Left Custom key	Side keys(physical keys)
	Right custom key	Side keys(physical keys)

APPLICATION SCENARIOS



Chemical industry



Offshore drilling platform



Oil field



Nuclear power plant



Oil refinery



Mining industry



Heavy industry



Metallur

