



# AORO A18

Industrial intelligent explosion-proof handheld terminal

Ex ib IIC T4 Gb



- 6.58 " FHD large-screen panoramic vision**  
 Explore the unknown 6.58-inch water drop screen and present the big screen visual feast to your eyes. 16:9 The aspect ratio allows miracles to flow into your hands.
- Android 12**  
 Light white, dark star black and simple UI interface, new interactive design of Android 12 system, simple UI interface design makes operation simple, simpler, more intelligent and better experience of using Android.
- Superior performance at 5G speed**  
 MT6877 MT900 5G high-performance processor chip, Octa Core 2.0GHz independent chip, RAM 12GB , ROM 256GB storage memory. Fast running processing, all of which can not be separated from more "core" processors.
- Strong and comprehensive protection**  
 Through the strict MIL-STD-810G military protection standard test, IP68 protection SGS certification, it can withstand the test in any harsh environment. It is not only a splash-proof mobile phone, but also a real waterproof device.
- Customizable explosion-proof.**  
 Intrinsically safe explosion proof (Ex ib IIC T4 Gb), coal safety explosion-proof, mining explosion-proof. Use environment: combustible gas, dust environment, pharmaceutical, oil refining, petrochemical plant, gas station, filling station, etc.



## Explosion-proof applications



(1) Petroleum and petrochemical industry (2) Chemical plant (3) Pharmaceutical (4) Natural gas (5) Mining industry (6) Gas station

## AORO A18 Products Specifications



Physical parameters	
Standards	IP68 (MIL-STD-810G)
IP68/IP69K Protection	waterproof, shockproof, dust-proof
Appearance	bar
Color	Black+vermilion color
Weight	405.5g
Size (L*W*H)	177.6*83.4*18.8mm
Performance Parameters	
CPU	MT6877 MT900 Octa Core 2.0GHz
RAM+ROM	12GB+256GB
Extended TF card	Maximum support is 2TB
Operate System	Android 12
Screen Parameters	
Screen size	FHD+ 6.58 inch
Resolution	1080*2408
Touch Screen	Capacitive screen, 10-point touch, supporting gloves
Screen material	IPS high-definition hard screen
Camera	
Rear camera	FLIR thermal imaging+5M thermal imaging secondary camera+108M main camera+5M high power micro camera
Front camera	32M
Flashlight	6 high-definition flash lamps
Date network	
Network mode	GSM, WCDMA, CDMA, TDD-LTE, FDD-LTE, 5G NR
Network frequency band	GSM : B2/3/5/8 WCDMA: B1/2/4/5/6/8/19 CDMA: 1X(BC0/BC1) FDD-LTE : B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28A/28B/66/71 TDD-LTE : B34/38/39/40/41 5G NR: N1/2/3/5/7/8/20/25/28/38/41/66/77/78/79
Card slot type	Nano SIM, Nano SIM, T-Flash
Bluetooth	Support 5.2
WIFI	WIFI(2.4G/5G)/WIFI 6
NFC	13.56MHZ, ISO15693, ISO1443A/B
GPS	Dual frequency (L1+L5) GPS/北斗/Glonass/Galileo/QZSS
OTG	OTG+5W Reverse charging
Sensor	Fingerprint recognition, distance sensor, light sensor, acceleration sensor, gravity sensor, compass (geomagnetic), gyroscope, air pressure sensor, coulometer (electricity meter), pedometer

Specification	
Public network intercom	Global POC public network intercom, no distance intercom, can be fast and convenient communication (single call, group call, group call, broadcast, one call)
Entity keys	Left custom key
Loudspeaker	1325 horn BOX
Headphone	0809 earphone
Microphone	Main silicon microphone+noise reduction microphone

Battery	
USB	Type-c USB
Wireless charging	Support (optional)
Battery	4.45V 9600mAh
Work Temperature	-20°C~+60°C

Equipment function (optional)	
External endoscope	Three-in-one waterproof endoscope With LTD lamp Functional small parts (protective shell, reflector, hook, magnet)

## Explosion proof Information

Certificate No.	CCRI 22.7197X
product name	5G Industrial intelligent explosion-proof handheld terminal
product model	A18
ex-proof sign	Ex ib IIC T4 Gb/Ex ib IIC T130C Db
battery	9600mAh
Protection grade	IP68
Notes	1) forbidden to charge and copy data in explosive dangerous places! 2) It is strictly prohibited to charge the original safety type lithium battery in the explosion dangerous environment! 3) It is strictly prohibited to use the basic safety type explosion-proof batteries with non-professional accessories in the explosion dangerous environment! 4) Do not remove the equipment in the explosion dangerous environment! 5) It is strictly prohibited to use any external equipment not provided by the company in the explosion dangerous environment!

ShenZhen AORO Communication Equipment Co., Ltd.



AORO: "Dangerous, Urgent, Special" scenario smart device and solution service provider  
 Vision: "Intelligence" in AORO  
 Mission: Making world-changing action safe, efficient, and easy  
 Values: to stand by true heart, to cooperation by modesty, to win by diligence  
 Website: www.aoro.com.cn



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