

# Aoro M5

## Datasheet

Aoro M5 intrinsically safe smart device is build to meet industry's roughest testing standard, fully submit waterproof/drop proof IP68 & Military MIL-STD-810G certification.

This design is for protecting people who use in hazardous environments, including oil & gas, mining, munitions ,chemical, pharmaceutical ect.it provide the explosion protection.

Also this device is support DMR digital model walkie-talkie (2W Power),compatibility with the 3<sup>rd</sup> Push to Talk solution, support RFID & 2D scanner, it is build for industry solution.



### Key Features

#### Intrinsically safe smartphone

build in hazardous environments in oil and gas,chemical industry and mining.explosion protection

#### Push to Talk(POC)

Connect instantly, reliably, every single time with the 3rd POC solutions

#### DMR walkie-talkie

2W Power support more than 5km walkie-talkies

#### Long Battery Life

multiMulti-shift Battery with8000mAh Li-Polymer

#### Industry solution

Solutions including B-code/2D scanner, 900M/2.4G FRID,more places with Industrial-grade accessories connected through Xpand Interface

#### Powerful Audio

Size 13\*65 box waterproof,dual front-facing loud speakers with Extremely Loud & Clear Audio

#### Protection rate

SGS IP68 & Military MIL-STD-810G with 1.5waterproof and 1.5M drop test

#### Camera

21MP Rear camera with flash auto-focusing 1.8f and 13MP front camera

# Aoro M5

## Technical Specifications



### Core Platform

<b>Operating System</b>	Android 8.1
<b>Chipset</b>	MT6763T Octa Core @2.3GHz64bit
<b>Network Band</b>	LTE FDD B1/2/3/4/5/7/8/12/13/17//20 (28A/28B) LTE TDD B34/B38/B39/B40/B41 WCDMA B1/B2/B4/B5/B8 CDMA BC0/BC1 TD-SCDMA B34/B39 GSM: 850/900/1800/1900MHz
<b>LTE service</b>	LTE CAT4/HSPA/TD-SCDMA/1xEV-DO/EDGE/GPRS
<b>LTE Private network</b>	support 400M/600M/1.4G/1.8G
<b>Memory</b>	6GB RAM/128GB ROM(Optional 4G+64G) Supports up to 128GB with SD card
<b>WiFi</b>	IEEE802.11 a/b/g/n/2.4/5.8GHz

### Display

<b>Size</b>	5.65" Gorilla Glass 5
<b>Resolution</b>	FHD+ 2160*1080
<b>Touch</b>	IPS/G+FF/Multi touch.support Gloved hand/Wet finger operation

### Connectivity

<b>Bluetooth</b>	BT4.0 with BLE
<b>SIM Card</b>	Dual SIM Nano/Micro card,Dual standby
<b>GPS</b>	GPS, GLONASS, BeiDou
<b>Sensor</b>	G-sensor,Proximity Sensor,Gyro/E-compass, Pressure sensor,height sensor.
<b>FM Radio</b>	Support
<b>NFC</b>	Support 13.56mhz

### Multimedia

<b>Rear camera</b>	21MP with flash auto-focusing CMOS
<b>Front camera</b>	13MP PDAF auto-focusing
<b>FM Radio</b>	Support
<b>Video</b>	21MP @ 30fps
<b>Speaker</b>	Size 13*65 box waterproof,dual front-facing loud speakers, output 100dB+(power 2W)
<b>Mic</b>	2 Mic solution with noise cancellation
<b>Audio jack</b>	3.5mm audio jack adaptor

### Physical Characteristics

<b>Size</b>	182*85.8*21.2mm
<b>Weight</b>	376g
<b>Color</b>	Orange color
<b>Dedicated Keys</b>	PTT Key, Scan key Programmable Key, Volume Keys, SOS Red Alert, Power On/Off;Home, Back, & Recent.
<b>Ports</b>	Side and rear 16pins ports support RXD/TXD/GPIO ect.

### Battery

<b>Capacity</b>	8100mAh Li-Polymer
<b>Charging</b>	Quick Charge 4.0 via USB-C (9V/2A)
<b>calling time</b>	23-30hrs
<b>Standby time</b>	800-1000hrs

### Functions

<b>B-code /2DScanner</b>	Support Honeywell N6703 (Optional)
<b>900MHz RFID</b>	Support 902Mhz – 928Mhz;865MHz – 868MHz(Optional)
<b>2.4G RFID</b>	Support 2.4Ghz – 2.525Ghz(Optional)
<b>infrared scanner</b>	support (Optional)
<b>Fingerprint</b>	Waterproof fingerprint
<b>DMR</b>	2W Power
<b>PTT</b>	support POC solution
<b>OTG</b>	Support

### Environment

<b>Working Temperature</b>	-20 °C ≤ Ta ≤ +60 °C
<b>Storage Temperature</b>	-40 °C ≤ Ta ≤ +70 °C
<b>Protection Rating</b>	SGS IP68 & Military MIL-STD-810G

### Inbox Accessories

Wall Charger, USB-C Cable,Quick Start Guide  
Desktop charger(Optional)