

DORLAND Industrial Intrinsically Safe 5G Smartphone Aloha_5G Max

DORLAND System Control Tech Co., Ltd. recently industrial intrinsically safe 5G smartphone ALoha_5G Max, using 5g advanced technology, intrinsically safe circuit design, aggressive appearance, strong body. The mobile phone adopts a 6.78" FHD+ screen, with a rear dual shot 50MP + 40MP, and supports infrared thermal imaging module, face recognition and standard NFC. Its waterproof and dust-proof performance reaches the international IP68 standard.

In addition, it supports fingerprint one key unlocking, Bluetooth, Wi-Fi and other functions to meet the reading and writing requirements of various scenes. We have also configured GPS positioning and other functions suitable for outdoor construction and pipeline inspection, which can cooperate with OA office system, patrol positioning system, data acquisition system and other applications. It is especially suitable for hazardous explosion environment, such as petroleum, chemical, pharmaceutical, oil depot, tank farm and other dangerous places with combustible and explosive gas, which is convenient for users to communicate with production and scheduling in time.

IP Grade: IP68

Ex-marking: Ex ib IIC T4 Gb / Ex ibD 21 T130°C

Certificate No.: CCRI 20.2573

OS: Android 14.0

Screen: 6.78 inch, FHD+, 2436*1080 FHD+, AMOLED screen

Memory: 16GB RAM + 512GB ROM, extend memory: 1TB

CPU: MT6877TT, 8-core, 4*ARM 2.6GHz Cortex-A78 + 4*ARM 2GHz Cortex-A55

Cameras: 50MP (rear)+40MP (night vision), 32MP(Front), support infrared thermal imaging module

Battery: 8000mAh, rated voltage: 3.8V

Frequency:

2G: B2/B3/B5/B8

3G: B1/B2/B4/B5/B8

3G: BCO

4GTDD: B38/B40/B41

4GFDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28(A+B)/B66

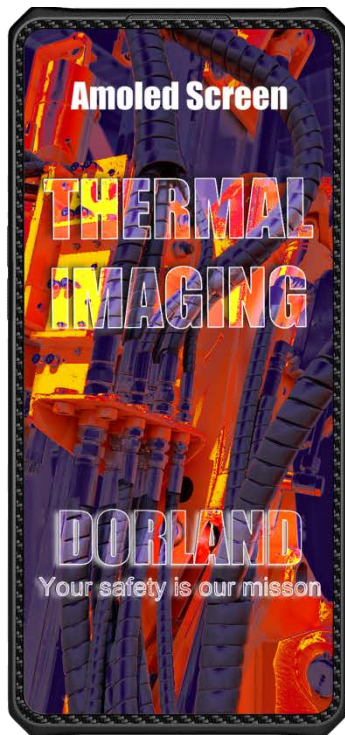
5G: N1,2,3,5,7,8,20,25,38,28,40,41,66,77,78

Bluetooth: Ver5.0

NFC: yes

Unlocking method: under-display fingerprint recognition + Face recognition

GPS: GPS + GLONASS + Beidou + AGPS / E-Compass



Explosion proof certificate parameters		
Ex-marking	Ex ib IIC T4 Gb / Ex ibD 21 T130℃	
Certificate No.	CCRI 20.2573	
IP Grade	IP68	
Product overview		
Product overview	Weight	310g
	Dimensions	168.8*79.6*15.85mm
	Operating System	Android 14
Hardware configuration		
CPU	CPU	MT6877TT
	CPU	4*ARM 2.6GHz Cortex-A78 + 4*ARM 2GHz Cortex-A55
	GPU	Mail-G68 GPU, Pixel/sec@800MHZ
Memory	RAM	16GB LPDDR5
	ROM	512GB
	TF Card	support to 1TB
	USB	Type-C
Connectivity	WIFI	802.11a/b/g/n/ac
	Bluetooth	BT5.0
	Frequency band	2G: B2/B3/B5/B8
		3G: B1/B2/B4/B5/B8
		3G: BC0
		4GTDD: B38/B40/B41
		4GFDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/ B20/B25/B26/B28(A+B)/B66
		5G: N1,2,3,5,7,8,20,25,38,28,40,41,66,77,78
Display	Display size	6.78 inch
	Display type	FHD+ 120Hz AMOLED HAA
	Display resolution	2436*1080
	Aspect ratio	20.5:9
	PPI	393
	Glass	Panda-1681
Camera	Front camera	32MP
	Rear camera	50MP（Main）+40MP（Night-vision）
	Flash	3 LED flash + 2IR
Thermal imaging	Infrared sensor	
	Resolution	256*192
	Pixel size	12μm
	NETD	≤50mK@25℃， F#1.0
	Working band	8~14μm
	Lens	
	Focal length	3.2mm
	Aperture	F1.1

	Field of view	56.0° (H)*42.2° (V), 71.3° (D)
	Temperature measurement characteristics	
	Measuring range	-10℃~150℃ / 100℃~550℃
	Temperature measurement error	± 2 °C/± 2% (typical value)
	Temperature correction	Distance, ambient temperature, emissivity
Battery	Battery capacity	8000mAh
	Standard voltage	3.8V
Fingerprint ID	under-display fingerprint recognition	
	· 360° identification angle	
	· Capacitance touch sensor	
	· 508DPI scanning resolution	
Features	Operating Temperature	‘-20℃~60℃
	Navigation	GPS+GLONASS+Beidou+ AGPS / E-Compass
	Sensor	P+L sensor / G-Sensor/ Gyro Sensor
	NFC	Support
	FM	Support
	SIM	Nano+Nano/TF
	OTG	Support
	Earphone type	Type-C



170021131268



中国认可
检测
TESTING
CNAS L0738

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 20.2573

Company: Beijing Dorland System Control Tech Co.,Ltd

Address: Room 807,Yingu Plaza, North 4th Ring West Road,Haidian District, Beijing 100080,P.R.China

Name of Product: Industrial Intrinsically Safe 5G Smartphone

Type of Product: Aloha_5G

Marking: Ex ib II C T4 Gb / Ex ibD 21 T130°C

Technical Documents: Q/DLM 008-2020

Drawing No.: Aloha_5G-00

Note(s):
1.Power supply by dual protection rechargeable lithiumion battery with rated voltage 3.8VDC, nominal napacity:8000mAh;
2.Ambient temperature range:-20°C≤Ta≤+60°C;
3. IP code:IP68 @1.5m,30min.

By verifying the drawings and technical documents and checking samples,the product complies with the following standards currently valid in P.R.China:
GB 3836.1-2010, GB 3836.4-2010, GB/T 4208-2017
GB 12476.1-2013, GB 12476.4-2010

Date of Issue: 12.17.2020

Valid till: 12.16.2025

Authorize:



Test Center Of China Coal Research Institute (煤炭科学技术研究院有限公司检测中心)

(The test center of the national safety production of mining equipment and mining oil in Beijing)

Note: This certificate is only valid for the products that are in accord with samples tested and verified.
Center Add: No.5 Qingniangou Road,Hepingli,Beijing,100013 Tel/fax: 010-89268018
The query url of Explosion-proof Certificate: <http://www.ccrirc.com.cn/Home>