

DORLAND Industrial Intrinsically Safe 5G Smartphone Aloha_5G PRO (high version)

Beijing DORLAND System Control Tech Co., Ltd. recently industrial intrinsically safe 5G smartphone Aloha_5G PRO, using 5g advanced technology, intrinsically safe circuit design, aggressive appearance, strong body. The mobile phone adopts a 6.78 "high-definition screen, with a rear four shot 200 +8 +20 +8MP, and supports 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, WiFi and other functions to meet the reading and writing requirements of various scenes. We have also configured GPS+ GLONASS+ Beidou+Galileo 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 ib IIIC T130°C Db

Certificate NO.: CCRI 25.7619X

OS: Android 14.0

CPU: MediaTek Dimensity 7300 octa core

4*Arm Cortex-A78 2.5GHz + 4*Arm Cortex-A55 2.0GHz

Screen: 6.78 inch, FHD+, 1080*2460

Secondary screen: 1.47 inch, IPS

Memory: 16GB RAM (+Extended RAM: 8GB/12GB/20GB)+512GB ROM

Cameras: 200MP (main rear)+8MP+20M+8MP

32MP (Front)

Battery: 8000mAh 3.85V

Frequency: GSM: B2/3/5/8

WCDMA: B1/2/4/5/6/8/19

CDMA: BC0/BC1/BC10

FDD: B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28A/28B/66/71

TDD: B34/38/39/40/41

NR: N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N71/N77/N78/N79

EDGE/GPRS: SUPPORT

NFC: yes

Bluetooth: yes

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Unlock method: fingerprint unlocking + face ID

GPS: GLONASS, BEIDOU, Galileo, GPS



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Authentication parameters		Description
Authentication parameters	Ex-marking	Ex ib IIC T4 Gb/ Ex ib IIIC T130°C Db
	Certificate No.	CCRI 25.7619X
	IP Grade	IP68
Product overview		Description
Product overview	Unit weight	382g (including battery)
	Dimensions (mm)	183.7*83.9*16.3mm
	Operating system	Android 14
Hardware configuration		Description
CPU	Model	MediaTek Dimensity 7300
	Feature	octa core, 4*Arm Cortex-A78 2.5GHz+4*Arm Cortex-A55 2.0GHz
	Framework	ARM Cortex A78/Cortex A55
	Technology	4nm
GPU	GPU model	Arm® Mali-G615 GPU
network	Network	GSM/WCDMA/CDMA/FDD/TDD/NR
	Frequency	GSM: B2/3/5/8 WCDMA: B1/2/4/5/6/8/19 CDMA: BC0/BC1/BC10 FDD: B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28A/28B/66/ 71 TDD: B34/38/39/40/41 NR: N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N71/N77/N78/N79
	EDGE/GPRS	SUPPORT
	memory	16GB RAM (+Extended RAM: 8GB/12GB/20GB) +512GB ROM
Storage	SIM card type	SUPPORT Nano SIM card + Nano SIM card + T card
	Memory card type	T-flash card
	Expanded memory	Up to 2TB
Front Camera 32MP		
Front Camera	Sensor	SONY IMX615
	Pixel area	32MP (6560*4928)
	Software function	Video, Picture, Potrait, Water Mark, Gif, Beauty, Anti flicker, mirror, Film
Rear Camera 200MP (main camera)+8MP +20MP +8MP		
Main Camera	sensor chip	Samsung S5KHP3
	Pixel size	200MP (16320*12288)
	flash lamp	Support 2 pieces
	software function	HDR, AI camera, Water Mark, Video, Picture, Pro Mode, Potrait, Gif, Panorama, slow motion, Time Lapse, Filter, Intelligent Scanning, Super night, 200MP, Film
Ultra Wide Angle & macro camera	sensor chip	Samsung S5K4H8
	Pixel size	8MP (3264*2448)
	software function	Wide Angle, Macro

Night vision camera	sensor chip	SONY IMX350
	Pixel size	20MP (5184*3880)
	flash lamp	Support
	software function	Video, Picture, Night Vision
Long focus camera	sensor chip	Hynix Hi847
	Pixel size	8MP (3264*2448)
	Optical zoom	Support
	Flash led	Support
	Software function	Optical zoom 3x / digital zoom 50x
Screen	Size and Technology	6.78 inch FHD+ IPS 120Hz
	resolving power	1080*2460
	Screen aspect ratio	20.5:9
Secondary screen	Size & technology	1.47 inch IPS
	Resolution	172*320
Transmission function	navigation	Support Beidou, Galileo, Glonass, GPS
	WIFI	Support Wi-Fi6(ax/ac/a/b/g/n)
	Bluetooth	Support BT5.2
	FM	Support
	OTG	Support (USB 2.0), Support reverse charging
	NFC	Support
Sensor	G-sensor	Support
	Proximity sensor	Support
	Ambient light senor	Support
	Compass (magnetic)	Support
	Geomagnetism	Support
	Gyroscope	Support
Fringeprint Unlock	Fringeprint location	Side fingerprint 1. Call answering 2. Shoot 3. Mobile screenshot 4. Return to desktop 5. Return to the previous level
Prot	earphone port	Type-C to 3.5mm headphone jack
	charger port	Type-C
Battery	capacity	8000mAh
	Voltage	3.85V
Software function		Description
System function	System navigation mode	Gesture navigation, "three button" navigation, intelligent touch control
	Intelligent gestures	Three finger screenshot, screen recording, super screenshot, intelligent call connection

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	FOTA upgrade OTA	Support
	Supporting languages	Supports 48 languages



CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 25.7619X

Applicant Company: Beijing Dorland System Control Tech Co.,Ltd.

Production: Beijing Dorland System Control Tech Co.,Ltd.

Name of Product: Industrial Intrinsically Safe 5G Smartphone

Type of Product: Aloha_5G

Marking: Ex ib II C T4 Gb/Ex ib III C T130°C Db

Technical Documents: Q/DLM 010-2025

Drawing No.: Aloha_5G ZZ01

Note(s): See attached sheet

By verifying the drawings, technical documents and checking samples, the product complies with the following standards currently valid in P.R.China:

GB/T 3836.1-2021, GB/T 3836.4-2021, GB/T 4208-2017

Date of Issue: 11. 13. 2025



Valid till: 11. 12. 2030

Authorize:

CCRI (Beijing) Testing Technology Co., Ltd.
(Beijing Testing Center of Mine Working Equipment and Mining Oils for National Safe Production)

Note: This certificate is only valid for the products that are in accord with samples tested and verified.
Address: Building 6, No.5, Yulong Street, Caiyu Town, Beijing Economic and Technological Development Area (Daxing), Beijing
The query url of Explosion-proof Certificate: <http://je.cerite.com.cn>



CONFORMITY CERTIFICATE OF CCRTIC EXPLOSION-PROOF (APPENDIX)

Certificate No.: CCRI 25.7619X

1. Rated voltage DC 3.85V, powered by rechargeable lithium-ion battery packs with dual protection.
2. Operating environment temperature: $-20^{\circ}\text{C} \leqslant \text{Ta} \leqslant +60^{\circ}\text{C}$.
3. IP code: IP68@1.5m, 30min.
4. The suffix "X" indicates that the use of various cable interfaces in hazardous areas is prohibited, and charging and replacing batteries in hazardous areas is prohibited; When conducting data transmission or charging, it is necessary to use specialized connection devices with energy limiting measures that have been evaluated. Please refer to the instructions for usage precautions.
5. Association inspection report number: 2025550883.

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Note: This certificate is only valid for the products that are in accord with samples tested and verified.
Address: Building 6, No.5, Yulong Street, Caoyu Town, Beijing Economic and Technological Development Area(Daxing), Beijing Tel/fax: 010-89268018
The query url of Explosion-proof Certificate: <http://je.ccrtic.com.cn>