Beijing Dorland System Control Technology Co., Ltd.
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Dorland Industrial Intrinsically Safe 5G Smartphone Mahalo_5G

Beijing DORLAND System Control Technology Co., Ltd. recently industrial intrinsically safe 5G smartphone Mahalo_ 5G, using 5g advanced technology, intrinsically safe circuit design, domineering appearance and solid body. This mobile phone adopts a 6.517 "water drop screen, with a rear three camera 48 + 2 + 0.3mp, and supports NFC. Its waterproof and dustproof performance meets the international IP68 standard. In addition, it supports fingerprint one click unlocking, Bluetooth, WiFi and other functions to meet the reading and writing needs of various scenes. We also configure GPS positioning and other functions suitable for outdoor construction and pipeline inspection in the mobile phone, which can cooperate with OA office system, inspection and positioning system, data acquisition system and other applications. It is especially suitable for the harsh environment of dangerous explosion, such as petroleum, chemical industry, pharmacy, military industry, oil depot, tank farm and other dangerous places with combustible and explosive gases, so as to facilitate the timely communication between users and production and dispatching.

IP Grade: IP68

Ex-mark: Ex ib IIC T4 Gb / Ex ibD 21 T130℃

Certificate no.: CCRI 21.2842



OS: Android 11.0

Screen: 6.517 inches, 720*1600 HD+

Memory: 8GB+128GB

Platform: MT6833_5G-C(Dimensity 400)

Camera: 48M AF+ 2M(Macro) +0.3M(Virtual) 8MP (Front)

Battery: 5000mAh 3.87V

Frequency: 2G：B2/3/5/8 BC0/BC1 BC10

3G：WCDMA：B1/2/4/5/6/8/19

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

TDD：B34/B38/B39/B40/B41

5G:N1/3/38/41/77/78

Size: 175.*84*15mm

WIFI: Support, 2.4G/5G

USB interface: Type C

Bluetooth: 5.0

GPS：Support Beidou, Galileo, Glonass, GPS

Fingerprint identification: Support

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Certificate parameters		Description	Remarks
Marking		Ex ib IIC T4 Gb / Ex ibD 21 T130°C	
Certificate No.		CCRI 21.2842	
IP Code		IP68	
Product overview		**Description**	**Remarks**
OS	OS	Android 11.0	
Dimensions	Size（L×W×Tmm）	175.*84*15mm	
BBIC	Chipset	MT6833_5G-C(Dimensity 400)	
Memory	Physical size	8GB（RAM）+ 128GB（ROM）	
	Type	UMCP (UFS+LPDDR4X)	
LCD	Size/Type/Light	6.517,INCELL HD+720(RGB)×1600.350nit typictal，300nit min	BOE
TP	CTP	Glass cover	Corning gorilla
Camera	Front camera	8M FF	
	Rear camera	48M AF+ 2M(Macro) +0.3M(virtual)	IMX582 O2M2 032A
Speaker	speaker	1	
	box	YES	
	Size	1217	
Battery Capacity	Capacity	5000mAh	
	Talk time	TBD	
	Standby time	TBD	
Bands	2G	B2/3/5/8 BC0/BC1 BC10	
	3G	WCDMA：B1/2/4/5/6/8/19	
	4G	FDD:B1/2/3/4/5/7/8/12/17/19/20/25/26/28A /28B/66 TDD：B34/B38/B39/B40/B41	
	5G	5G:N1/3/38/41/77/78	
Functions	SIM	DUAL	
	Card slot	YES	
	GPRS	YES	
	EDGE	YES	
	Wifi	2.4G/5.0G	
	Bluetooth	5.0	
	GPS	GPS+GLONASS+Beidou+Galileo	

	FM	YES	
	G-SENSOR	YES	
	L-SENSOR	YES	
	P-SENSOR	YES	
	M-SENSOR	YES	
	Gyroscope sensor	YES	
	RGB light	YES	
	NFC	YES	
	Fingerprint identification	YES	SW9022A
	Camera flash	YES	
	USB port	YES	Type_c
	Headphone Port	YES	Type_ C transfer
	OTG	YES	
	Fast charger	YES	9V2A Standard
	Temperature measurement	YES	Compatible
	Function extension	YES	Compatible with magnetic suction charging (small board interface)

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CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 21.2842

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:	Mahalo_5G
Marking:	Ex ib IIC T4 Gb / Ex ibD 21 T130°C
Technical Documents:	Q/DLM 002-2021
Drawing No.:	Mahalo_5G BZ01
Note(s):	1.The rated voltage is DC 3.8V, Powered by a dual-protected polymer lithium-ion battery,Model: Ex battery051, Nominal capacity: 5000mAh; 2.Ambient temperature range:-20°C≤Ta≤+60°C;IP code:IP68@1.5m，30min; 3. Do not charge in hazardous locations;

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: 18.01.2022

Valid till: 17.01.2027

Authorize:

China Coal Research Institute Testing Center

（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.ccritc.com.cn/Home