Dorland Industrial Intrinsically Safe 5G Smartphone EXTRA_5G Plus

DORLAND System Control Tech Co., Ltd. recently industrial intrinsically safe 5G smartphone EXTRA_5G Plus, using 5g advanced technology, intrinsically safe circuit design, domineering appearance and solid body. The mobile phone adopts 6.67 "high-definition screen, rear four camera 50+50+64+16MP, and supports face recognition and fingerprint one click unlocking. Its waterproof and dustproof performance meets the international IP68 standard.

In addition, it supports standard NFC, Bluetooth, Wi-Fi 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, 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-marking: Ex ib IIC T4 Gb / Ex ib IIIC T130℃ Db

Certificate NO.: CCRI 22.2641X

OS: Android 14.0

Screen: 6.67 inches, AMOLED, 20:9 1080*2400 FHD+

Memory: 12GB+512GB (12GB+Up to 8GB/12GB/20GB Extended RAM)

CPU: MTK D8020, 8 core, 4* Arm Cortex-A78: 2.6GHz + 4* Arm Cortex-A55: 2.0GHz

Camera:

Rear Camera 50MP(main camera) + 50MP(wide-angle+macro) + 64MP(night vision) + 16MP(Long focus)

Front Camera 50 MP

Battery: 6000mAh / 3.85V

Frequency: Global frequency band:

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

WIFI: Support, Wi-Fi6 (ax/ac/a/b/g/n)

GPS: Support, Beidou, Galileo, Glonass, GPS

Bluetooth: BT 5.1

Unlock method: Side fingerprint identification, Support facial unlocking



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Authentication parameters		Description
Ex-marking		Ex ib IIC T4 Gb/ Ex ib IIIC T130℃ Db
Certificate No.		CCRI 22.2641X
IP Grade		IP68
Product overview		**Description**
Product overview	**Weight**	305g(including battery)
	size(mm)	181.7*83.1*12.7mm
	OS	Android 14.0
Hardware configuration		**Description**
CPU	**Model**	MTK D8020
	Feature	8 core 4* Arm Cortex-A78: 2.6GHz 4* Arm Cortex-A55: 2.0GHz
	Framework	ARM Cortex A78/Cortex A55
	Technology	6nm
GPU	**GPU model**	Mali-G77 MC9
network	**Network**	GSM/WCDMA/CDMA/FDD/TDD/NR
	Frequency	Global frequency band: 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
Storage	**memory**	12GB+512GB (12GB+Up to 8GB/12GB/20GB Extended RAM)
	SIM card type	SUPPORT, Nano SIM+Nano SIM OR Nano SIM + TF card
	Memory card type	T-flash card
	Expanded memory	Up to 2TB
Front Camera 50 MP		
Front Camera	**sensor chip**	Hi5022Q
	Sensing area	1/2.8 inch 5P
	pixel size	50MP (8192 * 6144) default 4-in-1 output
	FUNCTION	Video, Picture, Potrait, Water Mark, GIF, Beauty, Anti flicker, Mirror, Film mode
	Unlock	Support facial unlock

Rear Camera 50MP(main camera) + 50MP(wide-angle+macro) + 64MP(night vision) + 16MP(Long focus)		
Rear Main Camera	Sensor	Samsung S5KGN1SP
	Sensing area	1/1.31 inch 7P
	Pixel area	50MP (8160 * 6144) default 4-in-1 output
	Flash led	Support 2 pieces
	Software function	HDR, AI camera, Water Mark, Video, Picture, Pro Mode, Potrait, GIF, Panorama, Beauty, Bokeh, slow motion, Time Lapse, Filter, Intelligent Scanning, Super Night, Film Mode
Ultra Wide Angle & macro camera	sensor chip	Hi5022Q
	Sensing area	1/2.8 inch 6P
	Pixel size	50M (8192 * 6144) default 4-in-1 output
	FUNCTION	Wide Angle, Macro
Night vision camera	Sensor chip	OmniVision OV64B
	Sensing area	1/2 inch 6P
	Pixel size	64MP (9248*6944)
	Flashlight	Support infrared light
	FUNCTION	Video, Picture, Night Vision, Anti flicker, Water Mark camera
Mobile phone display	Sensor chip	6.67 inch AMOLED Notch-less Punch Display 120Hz
	Sensing area	16.7 million colors
	Pixel size	in-cell
	Flashlight	1080*2400 FHD+
	Function	20:09
Transmission function	Navigation	Support, Beidou, Galileo, Glonass, GPS
	WIFI	Support, Wi-Fi6 (ax/ac/a/b/g/n)
	Bluetooth	Support, BT5.1
	FM	Support
	OTG	Support, (USB 3.0), Support reverse charging
	NFC	Support
Sensor	G-sensor	Support
	Proximity sensor	Support
	Ambient light senor	Support
	Compass (magnetic)	Support
	Geomagnetism	Support
	Gyroscope	Support
Unlock method	fingerprint location	Side fingerprint unlocking, 1. Answering incoming calls, 2. Shooting, 3. Phone screenshot, 4. Return to desktop, 5. Return to previous level

Physical buttons	**power button**	Support
	Volume Button	Support
	Custom key function	Support, After selecting the corresponding custom application in the settings, the quick launch function can be achieved by clicking, double clicking, or long pressing
Virtual buttons	**Home button**	Support
	Menu key	Support
	Return key	Support
Port	**Headphone port**	Yes Type-c to 3.5mm headphone jack
	Charger interface	Type-c
Battery	**Capacity**	6000mAh
	Voltage	3.85V
Software function		**Description**
System function	**System navigation mode**	Gesture navigation, "three button" navigation
	Intelligent gestures	Three finger screenshot, screen recording, super screenshot, intelligent call connection
	Supported languages	English, Simplified Chinese, Traditional Chinese（It has updated 48 languages）

CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 22.2641X

Applicant Company:	Beijing Dorland System Control Tech Co.,Ltd
Address:	Room1107,Tower B,Tsinghua Tongfang TechnologySquare,No.1 Wangzhuang Road,Haidian District,Beijing,P.R.China
Name of Product:	Industrial Intrinsically Safe 5G Smartphone
Type of Product:	EXTRA_5G Plus
Marking:	Ex ib ⅡC T4 Gb / Ex ib ⅢC T130℃ Db
Technical Documents:	Q/DLM 001-2022
Drawing No.:	EXTRA_5G BZ01
Note(s):	See attached sheet

By verifying the drawings and 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: 3. 7. 2025

Valid till: 7. 7. 2027

Authorize:

CCRI(Beijing)TestingTechnologyCo.,Ltd.

(Beijing Test 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 Tel/Fax: 010-89268018

The query url of Explosion-proof Certificate: http://jc.ccritc.com.cn

CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF (APPENDIX)

Certificate No.: CCRI 22.2641X

1.The rated voltage is DC 3.85V, and the power supply is lithium-ion battery with dual protection.

2.Ambient temperature:-20 ℃ ⩽ Ta ⩽ +60 ℃ .Enclosure protection grade: IP68 @1.5m, 30min.

3.The suffix "X" indicates that charging and battery replacement in hazardous places are prohibited.When charging and data transmission are carried out in non hazardous places, special connectors with intrinsic safety assessment shall be used. See the product manual for details.

4.For the record of the change of product model, the original certificate numbered CCRI 22.2641X shall be replaced from the date of issuance of this certificate. Associated inspection report number: 202255351-T.

CCRI(Beijing)TestingTechnologyCo.,Ltd.

(Beijing Test 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 Tel/fax: 010-89268018
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