Dorland
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DORLAND Industrial Intrinsically Safe 5G Smartphone Extreme_5G PRO

DORLAND System Control Tech Co., Ltd. recently industrial intrinsically safe 5G smartphone Extreme_5G PRO, using 5g advanced technology, intrinsically safe circuit design, aggressive appearance, strong body. The mobile phone adopts a 6.72" main screen + 1.32” secondary screen, with a rear three shot 100 +20 +2MP, 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, Wi-Fi 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 ibD 21 T130°C
Certificate No.: CCRI 21.2841

OS: Android 14.0
CPU: Dimensity 7050 Octa Core 2.6GHz, 2 * Cortex A78 2.6GHz + 6 * Cortex A55 2.0GHz
Screen: 6.72 inch, FHD+, 1080*2400
Secondary screen: 1.32 inch, AMOLED, 466*466
Memory: 12GB RAM (+Extended RAM: 20GB) + 256GB ROM
Cameras: 100MP (main rear) +20M+2MP
20MP (Front)
Battery: 8500mAh 3.8V
Frequency: GSM: B2/3/5/8
WCDMA: B1/2/4/5/8
TDD: B34/38/39/40/41
FDD: 1/2/3/4/5/7/8/12/17/18/19/20/25/26/28AB/66
NR: N1/N3/N7/N8/N28/N38/N41/N77/N78/N79
EDGE/GPRS: SUPPORT
NFC: Support
Bluetooth: Support, BT5.2
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 ibD 21 T130℃
	Certificate No.	CCRI 21.2841
	IP Grade	IP68
Product overview		**Description**
Product overview	Unit weight	364g(including battery)
	Dimensions (mm)	179.5*82.5*16mm
	Operating system	Android 14.0
Hardware configuration		**Description**
CPU	Model	Dimensity 7050 Octa Core 2.6GHz
	Feature	Octa core 2 * Cortex A78 2.6GHz + 6 * Cortex A55 2.0GHz
	Framework	ARM Cortex A78/Cortex A55
	Technology	6nm
GPU	GPU model	Arm Mali-G68 MC4
network	Network	GSM/WCDMA/CDMA/FDD/TDD/NR
	Frequency	GSM:B2/3/5/8 WCDMA：B1/2/4/5/8 TDD:B34/38/39/40/41 FDD:1/2/3/4/5/7/8/12/17/18/19/20/25/26/28AB/66 NR:N1/N3/N7/N8/N28/N38/N41/N77/N78/N79
	EDGE/GPRS	Support
Storage	memory	12GB RAM (+Extended RAM: 20GB) + 256GB ROM DDR5
	SIM card type	SUPPORT Nano Sim card+Nano Sim card+T card （two out of three）
	Memory card type	T-flash card
	Expanded memory	Up to 2TB
	Front Camera 20MP	
Front Camera	Sensor	SONY IMX376
	Pixel area	20M (5184*3880)
	Rear Camera 100MP + 20MP + 2MP	
Rear Camera	Sensor	OmniVision OVA0B40
	Pixel area	100MP（11584*8688）
	Flash led	Support 2*led
Macro camera	Sensor	OmniVision OV02A10
	Pixel area	2M(1600*1200)
Night vision camera	Sensor	SONY IMX350
	Pixel area	20M (5184*3880)
Mobile phone display	Size & technology	6.72inch, IPS 120Hz Waterdrop screen, BOE

	resolving power	1080*2400 FHD+
	Screen aspect ratio	20:9
Secondary display	**Size & technology**	1.32”AMOLED
	Resolution	466*466
	Aspect Ratio	Circular secondary screen
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
	NFC	Support
Sensor	**G-sensor**	Support
	Proximity sensor	Support
	Ambient light senor	Support
	Compass (magnetic)	Support
	Geomagnetism	Support
	Gyroscope	Support
Unlock method fingerprint	**fingerprint location**	Side fingerprint
	shortcuts	1. Answering incoming calls 2. Shooting and recording 3. Recent tasks 4. Return to the main interface 5. Return to the previous level
Port	**Headphone port**	Type-C to 3.5mm headphone jack
	Charger interface	Type-c
Battery	**Capacity**	8500mAh
	Voltage	3.8V
Software function		**Description**
System function	**System navigation**	Gesture navigation, "three button" navigation
	Smart gesture	Three finger screenshot, three finger camera entry
	FOTA upgrade OTA	Support
	Supported languages	English, Simplified Chinese, Traditional Chinese.（It has updated 48 languages）



CMA 170021131268

CNAS 中国认可 检测 TESTING CNAS L0738

CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 21.2841

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:	Extreme_5G
Marking:	Ex ib IIC T4 Gb / Ex ibD 21 T130°C
Technical Documents:	Q/DLM 003-2021
Drawing No.:	Extreme_5G BZ01
Note(s):	1.The rated voltage is DC 3.8V, Powered by a dual-protected polymer lithium-ion battery,Model: Ex battery053, Nominal capacity: 8500mAh; 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: 05.01.2022

Valid till: 04.01.2027

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