



Beijing Dorland System Control Technology Co., Ltd.

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Model	Dorland Industrial Intrinsicly Safe 5G Smartphone Extreme_5G	2022. 1. 13
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Certificate parameters		Description	Remarks
Certificate parameters	Ex-mark	Ex ib IIC T4 Gb / Ex ibD 21 T130°C	
	Certification No.	CCRI 21.2841	
	IP Grade	IP68	
Product overview		Description	Remarks
Product overview	Unit weight (including battery)	340g	
	Dimensions (mm)	169.3*81.2*16.1mm	
	Operating system	Android 11.0	
Hardware configuration		Description	Remarks
CPU	Model	MT6833 天玑700	
	Feature	8 core	
	Framework	6*2.0GHZ A552*2.2GHZ A76	
	Technology	7nm	
GPU	GPU model	Manhattan 3.0 40fpsARM Mali-Natt MC2	
Video	Video encode	MPEG4/H.263/264/HEVC/HEIF	
	Video decode	/MPEG4/HEIF (2K) 2560*1440 30fps	
Network	Network	GSM/WCDMA/CDMA/LTE_FDD/LTE_TDD/NR	
	Frequency	NR (N1/3/5/7/8/20/28/38/40/41/77/78/79) GSM: B2/3/5/8 WCDMA: B1/2/4/5/6/8/19	
		CDMA: BC0/BC1/BC10	
		LTE_FDD (B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28A/28B/66) LTE_TDD (B34/38/39/40/41)	
EDGE/GPRS	Support		
Storage	RAM	8GB /DDR4	umcp
	ROM	128GB /DDR4	
	SIM card type	Support Nano SIM+Nano SIM	
	Expanded memory	N/A	

Front Camera	Front Camera 16MP	
	Sensor	SONY IMX351-OAPHS-C 16MP
	Sensing area	1/3inch
	Pixel area	4688*3512
	Aperture	F/2.0±5%
	Sensor type	77°
	Software function	Video, Picture, Beauty, Bokeh, Mono, Water Mark, Mirror, Fill light
Rear Camera	Rear Camera 48MP+8MP+2MP+30W	
	Sensor	Samsung S5KGM1ST03-FGX9 48MP
	Sensing area	1/2.25inch
	Pixel area	6000*8000
	Aperture	F/1.8±5%
	Sensor type	79±3°
	PDAF	Support
	Flash led	Support
	Software function	Panorama, Video, Picture, Beauty, Bokeh, Pro, Mono, HDR, Water Mark
Macro	Sensor	GC02M2 2MP
	Sensing area	1/5inch
	Pixel area	1616*1224
	Aperture	F/ 2.8± 5%
	Sensor type	75°
	Software function	Video, Picture
Infrared Forehead Thermometer	size	4.2*4.2*2.0 mm
	Interface	I2C
	FOV (double-sided)	90°
	Factory calibration and programming	Support
	Accuracy (object temperature)	0.2° C to 0.3° C
	Accuracy (body temperature)	0.2°C
	Customer calibration	Support
	Ambient temperature range	-20°C to 80°C
	Hole method	Round hole (diameter 2.0)
Wide-angle	Sensor	Samsung, s5k4h7 8MP
	Sensing area	1/4inch
	Pixel area	2448*3264
	Aperture	2.2±5%
	Sensor type	118.8°
	PDAF	AF
Display	Size & technology	6.39" IPS
	Screen color	16.7M
	Type	LCD
	Resolution	720*1560 HD+
	Pixel density	270ppi
	Aspect Ratio	19:09
	Brightness	430cd/m2 (MIN)
	Screen contrast	1000/1
Transmission function	navigation	Support, Beidou, Galileo, Glonass, GPS
	WIFI	Support, 2.4G/5G (802.11ac/a/b/g/n)
	Bluetooth	Support, BT5.2
	FM	Support / plug in headphones support external playback
	OTG	Support
	NFC	Support, Google pay
Sensor	G-sensor	Support, triaxial
	Proximity sensor	Support
	Ambient light sensor	Support

Sensor	Compass (magnetic)	Support	
	Geomagnetism	Support	
	Gyroscope	Support	
Unlock method	Side fingerprint identification	ICNF723A2L	
		Coating surface material	
		No stainless steel metal ring	
		0.19s response speed	
		360° identification angle	
		Capacitance touch sensor	
Hardware features	Wireless charge	Support	
	Rapid Charge	Support, maximum charge 11V/3A	
	Sound Amplifier	Intelligent power amplifier, FS1894SU	
Touch panel	Panel technology	Double layer multipoint	
	IC	FT8615-AB	
	Sensor technology	Capacitive touch screen	
	Material	Panda tempered glass	
	Fitting method with Display	Full paste	
Physical buttons	Power button	Support	
	Volume button	Support	
	Custom key function	Support	
Virtual buttons	Home button	Support	
	Menu button	Support	
	Return button	Support	
Electric acoustic devices	Speaker	1813 box single box horn rated 1.0W, maximum 1.2W	
	Motor	827	
	Receiver	1008 Shrapnel type	
	Mic	Silicon wheat	
Port	Headphone port	N/A	
	Charger interface	Type-c	
Battery	Capacity	8500mAh	
	Voltage	4.4V	
Software function		Description	Remarks
System function	System navigation	Gesture navigation, 3-button navigation	
	Smart gesture	Gesture support is subject to the actual situation, and this function is turned off by default	
	Communication somatosensory	Support, Flip mute and intelligent answer are turned off by default, and wake up when picking up the device is turned on by default	
	System somatosensory	Support, Three finger screen capture, three finger access to the camera, two finger volume adjustment, alarm clock flip pause. This function is off by default	
	FOTA upgrade OTA	Support	
	Supported languages	English, Simplified Chinese, Traditional Chinese, etc. (It has updated 48 languages)	
Entertainment features	Video playback	Support AVI, MP4, MKV, MOV, ASF, FLV and other video formats, up to 1080P/30fps	
	Video produce	Highest support 1080P@30fps video shooting	
	Audioplayer	Support MP3, AAC, AMR and other video formats / supports lossless format: ALAC (Apple Lossless), FLAC, APE, WAV	
	Graphic format	Support JPEG, BMP, GIF, PNG etc.	
	Applications	Support	
Other software	Market	Support	
	Share	Support	
	Software Toolbox	Compass, Gradiometer, pedometer, Pic Hanging, HeightMeasure, Magnifier, Alarm bell, Plumb Bob, Protractor, SoundMeter	
Accessories		Description	Remarks
	Cellphone	x1	
	Type-C USB	x1 2A	

Package Contents	Charger	x1	12V/2A	
	Explosion-proof film	x1		
	Explosion-proof film	x1		
	Card Slot Opener	x1		
	Sling	x1		
	Packing box	x1		
	manual	x1		
	Frosted PE bag	x1		
	warranty card	x1		



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检测
TESTING
CNAS L0738

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.ccrirc.com.cn/Home>



中国认可
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CNAS L0738

防爆合格证

证号: CCRI 21.2

单位: 北京德兰系统控制技术有限公司
地址: 北京市海淀区北四环西路九号银谷大厦 807
产品名称: 本安型工业智能 5G 防爆手机
型号规格: Extreme_5G
防爆标志: Ex ib IIC T4 Gb / Ex ibD 21 T130°C
技术文件: Q/DLM 003-2021
图号: Extreme_5G BZ01

备注:
1. 额定电压 DC 3.8V, 供电为双重化保护的聚合物锂离子电池, 型号为: Ex battery053, 标称总容量: 8500mAh;
2. 使用环境温度: -20°C ≤ Ta ≤ +60°C; 外壳防护等级: IP68@1.5m;
3. 严禁在危险场所充电。

经过上述产品图样及技术文件的审查和样品的检验, 其符合以下现行日

GB 3836.1-2010, GB 3836.4-2010, GB/T 4208-2017
GB 12476.1-2013, GB 12476.4-2010

发证日期: 2022年01月05日

有效期至: 2027年01月04日

批

准:



煤炭科学技术研究院有限公司检测中心

(国家安全生产北京矿山井巷设备与矿用油品检测检验

注: 本证仅对与送检样品一致的产品有效。
中心地址: 北京市和平里青年沟路5号 电话: 010-89268018
防爆合格证查询网址: <http://www.ccrirc.com.cn/Home>

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爆 合 格 证

证 号： CCRI 21.2841

系统控制技术有限公司
定区北四环西路九号银谷大厦 807
业智能 5G 防爆手机

G

T4 Gb / Ex ibD 21 T130°C

-2021

G BZ01

C 3.8V, 供电为双重化保护的聚合物锂离子电池,
battery053, 标称总容量: 8500mAh;
度: -20°C ≤ Ta ≤ +60°C; 外壳防护等级: IP68@1.5m, 30min;
场所充电。

件的审查和样品的检验, 其符合以下现行国家标准:
GB 3836.4-2010, GB/T 4208-2017
1-2013, GB 12476.4-2010

01 月 05 日

01 月 04 日



技术研究院有限公司检测中心
(山西井巷设备与矿用油品检测检验中心)

电话: 010-89268018

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