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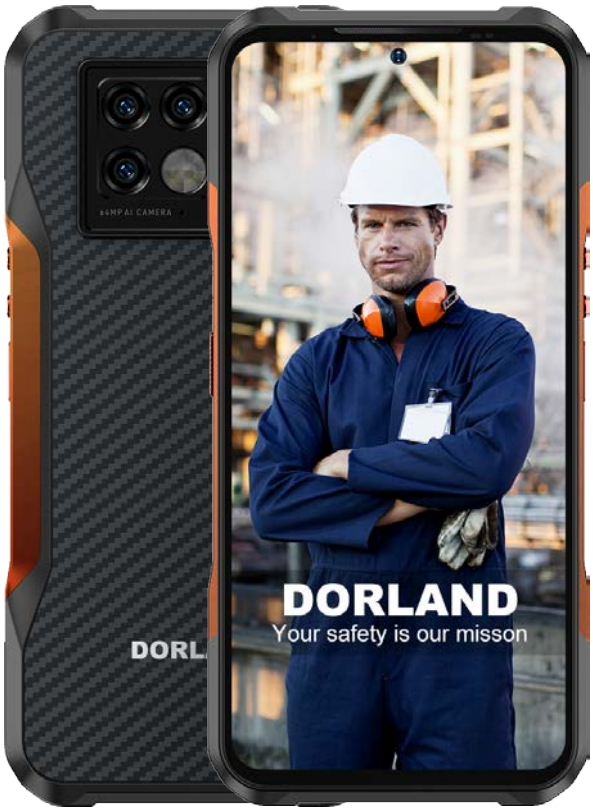
Dorland Industrial Intrinsically Safe 5G Smartphone EXTRA_5G

Beijing DORLAND System Control Technology Co., Ltd. recently industrial intrinsically safe 5G smartphone EXTRA_5G, using 5g advanced technology, intrinsically safe circuit design, domineering appearance and solid body. The mobile phone adopts 6.43 "high-definition screen, rear three camera 64 + 2 + 0.8mp, and supports face recognition and standard 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 22.2641X



OS: Android R（11.0）

Screen: 6.43 inches, 20:9 1080*2400 FHD

Memory: 8GB+256GB

Expanded memory: Up to 256G

CPU: MT6833(5G-C) 8core

2x ARM Cortex-A76 2.2GHz 256KB L2

6x ARM Cortex-A55 2.0GHz 128KB L2 1MB L3

Camera: 64MP + 8MP + 2MP + 20MP (REAR)

16MP (FRONT)

Battery: 6000mAh 3.8V

Frequency: GSM：B2/3/5/8

CDMA：BC0/BC1/BC10

WCDMA：B1/2/4/5/6/8/19

TDD：B34/38/39/40/41

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

SA：n1/3/5/8/20/28/38/41/77/78/79

NSA：B1+n78、B3+n78、B5+n78、B8+n78、B1+n79、B3+n79、B8+n79、B3+n41、B8+n41、B39+n41、B1+n38、B40+n77Size: 169.3*81.2*16.1mm

WIFI: Support, 2.4G / 5G(802.11ac/a/b/g/n)

GPS：Support, Beidou, Galileo, Glonass, GPS, Three out of four

Bluetooth: Ver 5.1　　Side fingerprint identification: Support



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Authentication parameters		Description
Authentication parameters	Marking	Ex ib IIC T4 Gb / Ex ibD 21 T130℃
	Certificate No.	CCRI 22.2641X
	IP code	IP68
Product overview		**Description**
Product overview	Unit weight	296g(including battery)
	Dimensions (mm)	170.5*81.2*14MM
	Operating system	Android R（11.0）
Hardware configuration		**Description**
CPU	Model	MT6833（5G-C）
	Feature	8core：2x ARM Cortex-A76 2.2GHz 256KB L2 6x ARM Cortex-A55 2.0GHz 128KB L2 1MB L3
	Framework	ARM Cortex A76/Cortex A55
	Technology	7nm
GPU	GPU model	ARM NATT MC2
Video	Video encode	2K 30fps H.264/265
	Video decode	2K 30fps H.264/265/VP9
network	Network	GSM/WCDMA/CDMA/FDD/TDD/SA/NSA
	Frequency	GSM：B2/3/5/8 CDMA：BC0/BC1/BC10 WCDMA：B1/2/4/5/6/8/19 TDD：B34/38/39/40/41 FDD：B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28A/28B/66 SA：n1/3/5/8/20/28/38/41/77/78/79 NSA：B1+n78、B3+n78、B5+n78、B8+n78、B1+n79、B3+n79、B8+n79、B3+n41、B8+n41、B39+n41、B1+n38、B40+n77
	EDGE/GPRS	Support
Storage	memory	8GB+256GB
	SIM card type	Support Nano SIM+Nano SIM+TF card
	Memory card type	T-flash card
	Expanded memory	Up to 256G
Front Camera 16 MP		
Front Camera	Sensor	Samsung S5K3P9sp 1600W
	Sensing area	1/3.inch
	Pixel area	4656*3504
	Aperture	F/2.0±5%
	Optical Image Stabilization	N/A
	Sensor type	76.6°
	Phase focusing	FF

	Flash led	N/A
	Software function	Video，Picture，Gif，Potrait
Rear Camera 64MP + 20MP+ 8MP		
Rear Main Camera	Sensor	OV64B40　6400W
	Sensing area	1/3.08inch
	Pixel area	9248*6944
	Aperture	F/1.79±5%
	Optical Image Stabilization	N/A
	Sensor type	80.7°
	Phase focusing	PDAF
	Flash led	Support
	Software function	HDR，Water Mark，Night Vision，Video，Picture，UHD，Night Mode，Pro Mode，Potrait，Gif，Panorama，Slow Motion，Time Lapse，Intelligent Scanning
Wide-angle camera	Sensor	Samsung　S5K4H7 800W
	Sensing area	1/4 inch
	Pixel area	2448*3264
	Aperture	2.2±5%
	Optical Image Stabilization	N/A
	Sensor type	118.8°
	Phase focusing	AF
	Flash led	N/A
	Software function	Picture，Water Mark
Night vision camera	Sensor	SNOY IMX350　2000W
	Sensing area	1/2.8inch
	Pixel area	3880*5184
	Aperture	1.8±5%
	Optical Image Stabilization	N/A
	Sensor type	78.1°
	Phase focusing	FF
	Flash led	Support 2 infrared night vision lamps
	Software function	Video, Picture
Display	Size & Technology	6.43　LTPS
	Screen color	16.7 million colors
	Type	OLED
	Resolution	1080*2400 FHD
	Pixel density	409ppi
	Aspect Ratio	20:9
	Screen-to-body ratio	85%
	Brightness	500cd/m2
	Screen contrast	80000:1

Auxiliary screen	Size & Technology	1.05" IPS
	Screen color	262K
	Type	LCD
	Resolution	120x240
	Pixel density	256ppi
	Aspect Ratio	2:01
	Screen-to-body ratio	72%
	Brightness	500cd/m2
	Screen contrast	1900/2/10 16:01
Transmission function	navigation	Support Beidou,Galileo,Glonass,GPS,Three out of four
	WIFI	Support 2.4G/5G（802.11ac/a/b/g/n）
	Bluetooth	Support BT5.1
	FM	Support / Plug in headphones to support external playback
	OTG	Support
	NFC	Support
Sensor	Hall switch	N/A
	Infrared remote control	N/A
	HotKnot	N/A
	G-sensor	Support triaxial
	Proximity sensor	Support
	Ambient light senor	Support
	Compass (magnetic)	Support
	Geomagnetism	Support
	Gyroscope	Support
Unlock method	Side fingerprint recognition	FT9391EC
		Coating
		Metal Ring
		0.18s response speed
		360° identification angle
		Capacitance touch sensor
		Spatial resolution 564 DPI
Hardware features	Wireless charge	Support
	Hard coulometer	Support
	Rapid Charge	Support
	Sound Amplifier	Intelligent power amplifier，AW88194
Touch panel	IC	GT9885
	Sensor technology	Capacitive touch screen
	Material	Corning GG3
	Fitting method with Display	Full fit
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	1217BOX AAC
	Motor	0827，Flat wire motor
	Receiver	0809 Shrapnel type，AAC
	Mic	AAC，Silicon wheat
	Notify light	Support
	Buttun LED	N/A
Port	Headphone port	Yes Type-c
	Charger interface	Type-c
Battery	Capacity	6000mAh
	Fully charge and discharge frequency	400 times
	Material	Lithium cobalt oxide
	Voltage	4.4V
	Battery capacity factor	1.5
	Discharge coefficient	MAX 1.2C
	Battery density ratio	639Wh/L
Software function		**Description**
System function	System navigation	Gesture navigation，3-button navigation
	Smart gesture	Support supports gestures based on the actual situation. This function is turned off by default
	Air gesture	N/A
	Communication somatosensory	Support, intelligent answer and wake up when picking up the device. This function is off by default
	System somatosensory	Support three finger screen capture, three finger entering the camera, three finger sliding up to start split screen and anti touch mode. This function is off by default
	FOTA upgrade OTA	Support
	Supported languages	English, Spanish, Portuguese (Brazil), Portuguese (Portugal), Italian, German, French, Russian, Arabic, Malay, Thai, Greek, Ukrainian, Croatian, Czech, Simplified Chinese, Traditional Chinese.（It has updated 48 languages）
Entertainment features	Video playback	Support AVI, MP4, WMV, RMVB, MKV, MOV, ASF, RM, FLV and other video formats, up to / 30fps
	Video produce	Highest support 1080P@30fps video shooting
	Audioplayer	Support MP3, M4A, AAC, MKA, AMRAnd other video formats / supports lossless format：ALAC(Apple Lossless),

		FLAC, APE, WAV
	Graphic format	Support JPEG, BMP, GIF,PNG etc.
	Game	Support
	Applications	Support
Other software	Market	Support
	Share	Support
	Software Toolbox	Compass，Noise test，Pic Hanging，Gradienter，HeightMeasure，Magnifier，Protractor，Plumb Bob，Alarm bell，Flashlight，Pedometer
Accessories		**Description**
Package Contents (Standard)	Cellphone	x1
	Type-C USB Cable	x1
	Charger	x1
	Anti-explosion film	X1 Posted on the screen



210016344553

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

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

Technical Documents: Q/DLM 001-2022

Drawing No.: EXTRA_5G BZ01

Note(s):
1. The rated voltage is DC 3.85V, and the power supply is lithium-ion battery with dual protection,Nominal total capacity 6000mAh;
2. Ambient temperature: -20 ℃ ≤ TA ≤ +60 ℃;
3. Enclosure protection grade: IP68 @1.5m, 30min;
4. 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.

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: 7. 8. 2022

Valid till: 7. 7. 2027

Authorize:

China Coal Research Institute
China Coal Research Institute Testing Center

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.ccrite.com.cn/Home