DORLAND Industrial Intrinsically Safe 5G Smartphone Extreme_5G PRO

Dorland System Control Tech Co., Ltd. has recently launched the Extreme5G PRO, an intrinsically safe industrial intelligent 5G explosion-proof mobile phone with a powerful appearance and sturdy body, featuring an intrinsically safe circuit design. This phone adopts a 6.6-inch design and is equipped with a rear dual camera 64MP+2MP and a front 16MP camera. Its waterproof and dustproof performance meets the international IP68 standard.

In addition, this phone features fingerprint unlocking on the side and comes standard with NFC, meeting the reading and writing needs of various scenarios. We have also configured various functions such as Beidou+Galileo+Glonass+GPS positioning inside the phone, which are suitable for outdoor construction, pipeline inspection, etc. It can be used in conjunction with OA office systems, inspection positioning systems, data acquisition systems, and other applications. Especially suitable for harsh environments with hazardous explosions, such as petroleum, chemical, pharmaceutical, oil depots, tank farms, and other hazardous areas with flammable and explosive gases, facilitating timely communication between users, production, and scheduling.

IP Grade: IP68
Ex-Marking: Ex ib IIC T4 Gb / Ex ibD 21 T130°C
Certificate No.: CCRI 21.2841

OS: Android 16.0

Screen: 6.6-inch 20:9 HD+720 * 1612 screen

Memory: 6/8GB RAM+256GB ROM

CPU: MediaTek Dimensity 6300 (24E), 8-core, 2 * 2.4GHz+6 * 2.0GHz

Camera: Front camera 16MP, rear camera 64MP+2MP macro

Battery: 8500mAh/3.8V, non removable

Frequency bands: GSM: B2/3/5/8
WCDMA：B1/2/4/5/8/
TDD：B34/38/39/40/41
FDD：1/2/3/4/5/7/8/18/19/20/25/26/28AB/66
NR：N1/N3/N7/N8/N28/N38/N41/N77/N78
EDGE/GPRS：SUPPORT

Bluetooth: Bluetooth 5.2

WIFI： Support, Wi-Fi 2.4/5GHz (IEEE 802.11ac/a/b/g/n)

NFC: Supports

GPS： Support, Beidou,Galileo,Glonass,GPS

Interface： headphone jack, charging port, desktop charger, M6 interface

Dorland System Control Tech Co., Ltd.
Room1107, Tower B, Tsinghua Tongfang Technology Square, No.1 Wangzhuang Road, Haidian District, Beijing, P.R.China
Tel: +86-10-62198496
Tel: +86-10-62164681
www.dorland-tech.com
tian@dorland.com.cn

DORLAND
www.dorland-tech.com















Authentication parameters		
Authentication parameters	**Ex-marking**	Ex ib IIC T4 Gb / Ex ibD 21 T130℃
	Certificate No.	CCRI 21.2841
	IP Grade	IP68
Product overview		
Product overview	**weight**	420g
	Dimensions	176.5*82.5*18.7mm
	OS	Android 16.0
Hardware configuration		
CPU	**Model**	MediaTek Dimensity 6300（24E）
	Feature	8 cores, 2* Arm Cortex-A76 up to 2.4GHz+6* Arm Cortex-A55 up to 2.0GHz
	Framework	ARM Cortex A76/Cortex A55
	Technology	6nm
GPU	**GPU model**	Arm Mali-G57 MC2
network	**Network**	GSM/WCDMA/FDD/TDD/NR
	Frequency	GSM：B2/3/5/8 WCDMA：B1/2/4/5/8/ TDD：B34/38/39/40/41 FDD：1/2/3/4/5/7/8/18/19/20/25/26/28AB/66 NR：N1/N3/N7/N8/N28/N38/N41/N77/N78
	EDGE/GPRS	SUPPORT
Storage	**memory**	6/8GB RAM + 256GB ROM
	SIM card type	Support Nano Sim card+Nano Sim card+T card (choose three from three)
	Memory card type	T-flash card
	Expanded memory	Up to 2TB
	Front Camera 16MP	
Front Camera	**Sensor**	Samsung S5K3P8SP
	Pixel area	16MP (4640*3488)
	Rear Camera 64MP + 2MP	
Rear camera	**sensor chip**	Omnivision OV64B40
	Pixel size	64MP（9248*6944）
	flashlight	Support
Macro lens	**sensor chip**	OV02B10
	Pixel size	2MP (1600*1200)
Display screen	**Size and Technology**	6.6-inch IPS waterdrop screen 90Hz
	resolution	720*1612 HD+
	Screen aspect ratio	20:9

Transmission function	**navigation**	Support, Beidou,Galileo,Glonass,GPS
	WIFI	Support, Wi-Fi 2.4/5GHz (IEEE 802.11ac/a/b/g/n)
	Bluetooth	Support, BT5.2
	FM	Support
	OTG	Support
	NFC	Support
Sensor	**gravity sensor**	Support
	distance sensor	Support
	Environmental light sensor	Support
	Compass (magnetic)	Support
	geomagnetism	Support
Physical button	**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
	SOS key	Support, 1. Click to turn on/off the flash. After the flash is turned on, SOS 2 will be displayed as "three short, three long, and three short". Long press for 5 seconds to activate the default emergency alarm settings of the Google system. To cancel the settings, you need to follow the Google settings
	PTT intercom button	Support
Intercom function	**Bluetooth Intercom**	Built in software intercom app。 1. Up to 100 meters without obstruction 2. 30-40 meters with obstruction 3. Only 1-on-1 Bluetooth intercom available
	POC intercom	Built in intercom app
Virtual button	**Home button**	Support
	Menu key	Support
	back button	Support
Unlocking method	**Front camera**	Support facial unlock
	Fingerprint location	Side fingerprint
Interface	**headphone jack**	Type-C to 3.5mm headphone jack
	charging port	Type-C (fully functional 2.0 Type-C, certified by 62680)
	desktop charger	Support, Supports 10W charging
	M6 interface	Supports audio input, output (microphone, speaker), and intercom headphones

Battery	**capacity**	8500mAh
	voltage	3.8V
Software function		
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, Spanish, Simplified Chinese, Traditional Chinese. （It has updated 48 languages）



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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