Dorland Industrial Intrinsically Safe Smartphone EX_08 PRO

Dorland System Control Tech Co. Ltd. has recently launched the intrinsically safe intelligent industrial grade explosion-proof mobile phone EX_08 PRO, which features an intrinsically safe circuit design, a powerful appearance, and a sturdy body. This phone features a 6.56-inch waterdrop screen and is equipped with 8MP (Front Camera) & 64MP(Rear Camera)+0.3MP*2 cameras. 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.

Protection level: IP68

Explosion proof rating: Ex ib IIC T4 Gb/Ex ibD 21 T130 ℃

Explosion proof certificate number: CCRI 21.2840

Operating System: Android 16.0

Screen: 6.56-inch waterdrop screen 720 * 1612 HD+

Memory: 6GB RAM (+RAM can be expanded by an additional 30GB)+128GB ROM

Processor: UNISOC T7250 (T615) 8-core

2* Arm Cortex-A75 up to 1.8GHz + 6* Arm Cortex-A55 up to 1.6GHz

Front camera: 8MP

Rear camera: 64MP+0.3MP * 2 (Rear)

Battery capacity: 8500mAh, non removable

Supported frequency band: All network frequency band

Simplified configuration of all network frequency bands

GSM:B2/3/5/8

WCDMA：B1/2/4/5/8

TDD:B34/38/39/40/41

FDD:B1/2/3/4/5/7/8/18/19/20/25/26/28AB/66

EDGE/GPRS: Supports

Bluetooth: Bluetooth 5.0

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

NFC: Supports

GPS: Supports, Beidou，Galileo，Glonass，GPS



The appearance of the product is based on inventory.

Certificate parameters		Description
Certificate parameters	Ex-marking	Ex ib IIC T4 Gb / Ex ibD 21 T130℃
	Certificate No.	CCRI 21.2840
	IP Grade	IP68
Product overview		**Description**
Product overview	Unit weight	259g (including battery)
	Dimensions (mm)	172.7*80*10.7mm
	OS	Android 16.0
Hardware configuration		**Description**
CPU	Model	UNISOC T7250 (T615)
	Feature	8-cores 2* Arm Cortex-A75 up to 1.8GHz 6* Arm Cortex-A55 up to 1.6GHz
	Framework	ARM Cortex A75/Cortex A55
	Technology	12nm
GPU	GPU model	Mali-G57 GPU
Network	Network	GSM/WCDMA/FDD/TDD, support CA
	Frequency	Full network frequency band GSM:B2/3/5/8 WCDMA： B1/2/4/5/8 TDD:B34/38/39/40/41 FDD:B1/2/3/4/5/7/8/18/19/20/25/26/28AB/66
	EDGE/GPRS	Support
Storage	memory	6GB RAM (+RAM expansion 30GB) + 128GB
	SIM card type	SUPPORT Nano SIM+Nano SIM+TF card
	Memory card type	T-flash card
	Expanded memory	Up to 2TB
Front Camera	**Front Camera 8MP**	
	Sensor	Hynix Hi-842
	Pixel area	8MP (3264*2448)
	Software features	Support facial unlock
Rear Camera	**Rear Camera 64MP+0.3MP*2**	
	Sensor	Omnivision OV50C40
	Pixel area	64MP (9248*6944)
	Flash led	Support
Display	Size & technology	6.56 inches IPS Water droplet screen 90Hz
	Resolving power	720*1612 HD+
	Screen aspect ratio	20:9
	Brightness	400cd/㎡

Transmission function	**Navigation**	Support, Beidou,Galileo,Glonass,GPS
	WIFI	Support, 2.4G/5G（802.11ac/a/b/g/n）
	Bluetooth	Support, BT5.0
	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	**Face recognition**	Support
	Fingerprint recognition	Support
Physical buttons	**Power button**	Support
	Volume button	Support
	Custom key function	Support (After selecting the corresponding custom function in the settings, click and long press to achieve the function)
Virtual buttons	**Home button home**	Support
	Menu button	Support
	Return button	Support
Port	**Headphone port**	TYPE-C to 3.5mm headphone jack interface
	Charger interface	Type-C
Battery	**Capacity**	8500mAh
	Voltage	3.8V

CMA 170021131268

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CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 21.2840

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 Smartphone
Type of Product:	EX_08
Marking:	Ex ib IIC T4 Gb / Ex ibD 21 T130°C
Technical Documents:	Q/DLM 004-2021
Drawing No.:	EX_08 BZ01
Note(s):	1.The rated voltage is DC 3.8V, Powered by a dual-protected polymer lithium-ion battery,Model: Ex battery054, 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: 23.12.2021

Valid till: 22.12.2026

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