Dorland Industrial Intrinsically Safe Smartphone EX_08 PRO (High)

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. The device features a 6.6-inch main screen and a 1.45-inch secondary screen, equipped with a 32MP (front)+108MP (rear)+24MP (rear night vision) camera, and its waterproof and dustproof performance meets the international IP68 standard.

In addition, the device 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℃

Certificate NO.: CCRI 21.2840

OS: Android 15.0

Screen: 6.6-inch main screen 1080 * 2408 IPS FHD+, 1.45-inch secondary screen, 240 * 240

Memory: 8GB RAM (+RAM expansion of 16GB)+512GB ROM

Processor: Helio G100 (MT6789) 8-core, 2 * A76 2.2GHz+6 * A55 2.0GHz

Front camera: 32MP

Rear camera: 108MP (main camera)+24MP (night vision)

Battery capacity: 8500mAh, 3.8V

Frequency band:

2G: B2/B3/B5/B8

3G: B1/B2/B4/B5/B8/BC0/BC1/BC10/B19

4G: B34/B38/B39/B40/B41/B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28A/B28B/B66/B71

Bluetooth: Bluetooth 5.1

WIFI: Supports

NFC: Supports

GPS: Supports, Beidou，Galileo，Glonass，GPS



Certificate parameters		Description
Certificate	Ex-marking	Ex ib IIC T4 Gb / Ex ibD 21 T130℃
	Certificate No.	CCRI 21.2840
	IP Grade	IP68
Product overview		**Description**
Product overview	Dimensions	174.6*82.3*12.8mm
	Unit weight	290g
	OS	Android 15.0
Hardware configuration		**Description**
Platform	CPU	Helio G100 (MT6789)
		2* A76 2.2GHz + 6* A55 2.0GHz
	GPU	Arm Mali-G57 MC2
	Processor technology	6nm
Memory	RAM/ROM	8GB RAM （+RAM expansion 16GB） + 512GB ROM
	Card Type	Support Nano SIM+Nano SIM/TF card
	T-flash Card	Maximum support for 2TB
Frequency band	2G	B2/B3/B5/B8
	3G	B1/B2/B4/B5/B8/BC0/BC1/BC10/B19
	4G	B34/B38/B39/B40/B41/B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28A/B28B/B66/B71
Display screen	size	6.6 inch
	type	1080*2408 IPS
	resolution	FHD+
	screen refresh rate	120Hz
	Aspect Ratio	20:09
Secondary screen	size	1.45 inch
	resolution	240*240
	Aspect Ratio	18:09
Front camera	**Front 32MP**	
	Sensor	S5KGD1
	Pixel size	6560*4928
Rear camera	**Rear 108MP**	
	Sensor	S5KHM2SP03

	Pixel size	12000*9000
	Flashlight	Support
Secondary camera	**Rear night vision 24MP**	
	Sensor	IMX550
	Flashlight	Support
Battery	**capacity**	8500 mAh
	voltage	3.8V
	standby time	1500H
	call duration	45H
	Music playback time	100H
Function	**Fingerprint recognition**	Support
	face unlock	Support
	NFC	Support
	GPS	GPS+BEIDOU+GLONASS+Galileo
	Wi-Fi	Support
	WLAN	2.4+5G
	Bluetooth	5.1
	FM	Support
	OTG	Support
	Gravity sensor	Support
	Distance sensing	Support
	light sensing	Support
	compass	Support
	geomagnetism	Support
	gyroscope	Support
	electricity meter	Support
	fast charging	Support
	Sound amplifier	Support
	Intelligent gestures	Support
	mid-air gesture	Support
	FOTA Upgrade OTA	Support
	Supported languages	Simplified Chinese, English and other languages

CMA 170021131268

CNAS 中国认可 检测 TESTING CNAS L0738

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