DORLAND Intrinsically Safe Intelligent Industrial-grade Explosion-proof Mobile Phone Unicorn10 PRO

DORLAND System Control Technology Co., Ltd. recently introduced the intrinsically safe intelligent industrial-grade explosion-proof mobile phone Unicorn10 PRO. It adopts advanced technology, intrinsically safe circuit design, domineering appearance and solid body. The mobile phone adopts 6.6 inch full screen (20:9) design, equipped with 8MP front and 50MP+20MP+0.3MP pixel high-definition camera at the rear. Its waterproof and dustproof performance meets the international IP68 standard.

In addition, the phone supports NFC, fingerprint unlocking and other functions. This is equipped with GPS positioning, compass and other functions suitable for outdoor construction and pipeline inspection. It can cooperate with OA office system, patrol positioning system, data acquisition system and other applications. Especially suitable for hazardous explosion environment, such as petroleum, chemical, pharmaceutical, oil depot, tank farm and other dangerous places with combustible and explosive gas, which is convenient for users to communicate with production and scheduling in time.

IP Grade: IP68
Ex-marking: Ex ib IIC T4 Gb / Ex ib IIIC T130℃ Db
Certificate NO.: CCRI 25.7092X

OS: Android 15.0

CPU: UNISOC T7200 (T606), 8-core, 2* 1.6GHz + 6* 1.6GHz

Screen: 6.6inches (20:9) 720*1612 HD+

Memory: RAM：6GB（+Extended RAM 18GB）
ROM：256GB

Storage Card: support T-flash card, Up to 2TB

Cameras: Rear Camera 50MP+20MP(night vision)+0.3MP(Without function)
Front camera 8MP

Battery capacity: 10300mAh

Battery voltage: 3.85V

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
EDGE/GPRS: Support

GPS: Support, Beidou, Galileo, Glonass, GPS

Bluetooth: BT5.0
NFC: Support

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Certificate		Description
Certificate	Ex-marking	Ex ib IIC T4 Gb / Ex ib IIIC T130℃ Db
	Certificate NO.	CCRI 25.7092X
	IP Grade	IP68
Items		**Description**
Product overview	Dimension (mm)	174*81.2*15.8mm
	Weight (g)	364g
	OS	Android 15.0
Hardware configuration		**Description**
CPU	Feature	UNISOC T7200 (T606), 8-core, 2* Arm Cortex-A75 up to 1.6GHz + 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
	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
	EDGE/GPRS	Support
Storage	memory	RAM: 6GB (+Extended RAM 18GB) ROM: 256GB
	SIM card type	SUPPORT Nano SIM+Nano SIM+TF card
	Memory card type	T-flash card
	Expanded memory	Up to 2TB
Front Camera 8MP		
Front Camera	Sensor	Sony IMX134
	Sensing area	1/3.92 inch 4P
	Pixel area	3280*2464 8MP
	Unlock	Support facial unlock
Rear Camera 50MP+20MP(night vision)+0.3MP(Without function)		
Rear Camera	Sensor	Omnivision OV50C40
	Sensing area	1/2.5 inch 5P
	Pixel area	8192*6144, 50MP
	Aperture	F/1.8±5%
	Field of view angle	77°
	Focus mode	PDAF
	Flash led	Support

Night vision camera	**Sensor**	SONY IMX350
	Sensing area	1/2.78inch 5P
	Pixel area	20M (5184*3880)
	Aperture	F/1.8±5%
	Field of view angle	77°(Diag)
	Focus mode	Monochrome AF
	Infrared night vision light	Support
Display	**Size & technology**	6.56 inches IPS Blind hole screen 90Hz
	Screen color	16.7M
	Type	in-cell
	resolving power	720*1612 HD+
	Pixel density	269
	Screen aspect ratio	20:9
	Screen-to-body ratio	84%
	Brightness	380 cd/m2(Typ)
	Screen contrast	1500:1
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, support reverse charging
Unlock method	**Fingerprint location**	Side fingerprint
	Front camera	facial recognition
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**	10300mAh
	Voltage	3.85V

Software function		Description
System function	System navigation	Gesture navigation, "three-button" navigation
	Smart gesture	Three finger screenshot, intelligent motion sensing
	FOTA upgrade OTA	Support
	Supported languages	English, Spanish, Simplified Chinese, Traditional Chinese. (It has updated 48 languages)



CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 25.7092X

Applicant Company: Beijing Dorland System Control Tech Co.,Ltd.

Production: Beijing Dorland System Control Tech Co.,Ltd.

Name of Product: Intrinsically safe intelligent industrial-grade explosion-proof mobile phone

Type of Product: Unicorn10

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

Technical Documents: Q/DLM 009-2025

Drawing No.: Unicorn10 ZZ01

Note(s): See attached page for details

By verifying the drawings, 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. 28. 2025

Valid till: 7. 27. 2030

Authorize:

CCRI (Beijing) Testing Technology Co., Ltd.

(Beijing Testing Center of Mine Working Equipment and Mining Oils for National Safe Production)

Note: This certificate is only valid for the products that are in accord with samples tested and verified.

Address: Building 6, No.5, Yulong Street, Caiyu Town, Beijing Economic and Technological Development Area(Daxing), Beijing Tel/fax: 010-89268018

The query url of Explosion-proof Certificate: http://jc.ccritc.com.cn

CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF (APPENDIX)

Certificate No.: CCRI 25.7092X

1.Rated voltage DC 3.85V, powered by rechargeable lithium-ion battery packs with dual protection.

2.Operating environment temperature: -20℃≤Ta≤+60℃.IP code:IP68 @1.5m，30min.

3.The suffix "X" indicates that the use of various cable interfaces in hazardous areas is prohibited, and charging and replacing batteries in hazardous areas is prohibited; When conducting data transmission or charging, it is necessary to use specialized connection devices with energy limiting measures that have been evaluated. Please refer to the instructions for usage precautions.

4.Association inspection report number:2025550593.

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