Dorland
System Control
Tech Co., Ltd.

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DORLAND Industrial Intrinsically Safe Smartphone
Unicorn10 PRO (low-end)

Beijing DORLAND System Control Tech Co., Ltd. recently introduced the intrinsically safe smartphone Unicorn10 PRO. It adopts advanced technology, intrinsically safe circuit design, domineering appearance and solid body. The mobile phone adopts 6.52 inch full screen (20:9) design, equipped with 5MP front and 13MP pixel 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 ibD 21 T130°C

Certificate No.: CCRI 20.2303

OS: Android 14.0

CPU: T606 1.6 GHz Octa-core (2*Cortex-A75 1.6GHz + 6*Cortex-A55 1.6GHz)

Screen: 6.52" HD, 576(RGB)x1280, 20:9

Memory: 4GB+128GB, RAM expansion: 16GB(4+12)

Storage Card: Up to 1TB

Cameras: Rear camera 13MP, Front camera 5MP

Battery: 8000mAh, 3.8V

Frequency:

Full network frequency band:

GSM：B2/3/5/8

WCDMA：B1/B2/B4/B5/B8

FDD：B1/B2/B3/B4/B5/B7/B8/B12/B17/B18/B19/B20/B25/B26/B28A/B28B/B66

TDD：B38/B40/B41"

Eurasian frequency band:

GSM：B2/3/5/8

WCDMA：B1/8

FDD：B1/3/7/8/19/20

GPS: Beidou,Galileo,Glonass,GPS

Bluetooth: BT5.0

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Certificate		Description
Certificate	Ex-marking	Ex ib IIC T4 Gb / Ex ibD 21 T130℃
	Certificate NO.	CCRI 20.2303
	IP Grade	IP68
Items		**Description**
Product Overview	Dimension	174.2*82.3*17.4mm
	Weight	Single phone: 373g, package: 690g
Configuration		**Description**
System Function	OS	Android 14.0
	OTA	Support
	Languages	200+ languages
CPU & GPU	CPU	T606
	Frequency	1.6 GHz
	Core	Octa-core
	Framework	2*Cortex-A75 1.6GHz + 6*Cortex-A55 1.6GHz
	Technology	12nm
	GPU	Arm Mali G57
Memory & Storage	Memory	4GB(RAM)+128GB(ROM)
	Memory system expansion	16GB (4+12)
	Storage expansion	Up to 1TB
Display	Size & Technology	6.52" HD
	Resolution	576(RGB)x1280
	Screen Brightness	400nit (cd/m²)
	Screen-to-Body ratio	85%
	Aspect Ratio	20:09
	Contrast	1000:1
Front Camera	Pixel	5MP
	Sensor	Samsung S5K5E8
Main Camera	Pixel	13MP
	Sensor	OV13853
	LED Flash	Support
Battery &charger	Capacity	8000mAh
	Voltage	3.8V
	Standby time	1000hrs
	Standby time (SIM)	950hrs
	Music time	50hrs
	Video time	18hrs
	Talk time	60hrs
	Game time	10hrs
	Web time	15hrs

	Charging time	3.5hrs
	Reverse Charging	Support
Dual SIM Cards & Network	**SIM Cards Inserting Mode**	Nano+Nano/Nano+TF
	Network Type	GSM+WCDMA+FDD+TDD
	Frequency	Full network frequency band GSM: B2/3/5/8 WCDMA: B1/B2/B4/B5/B8 FDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B18/B19/B20/B25/B26/ B28A/B28B/B66 TDD: B38/B40/B41
		Eurasian frequency band GSM: B2/3/5/8 WCDMA: B1/8 FDD: B1/3/7/8/19/20
	EDGE/GPRS	Support
Other function	**Fingerprint**	Support
	GPS	GPS+GLONASS+Beidou+Galileo
	FM	Support
	Wi-Fi	802.11 a/b/g/n/ac(2.4G+5G)
	Bluetooth	BT5.0
	G-sensor	Support
	Proximity Sensor	Support
	Ambient Light Senor	Support
	Compass	Support
	NFC	Support
	OTG	Support
Port	**Headphone Port**	Type-C
	Charger Interface	Type-C
Buttons	**Power Button**	Support
	Volume Button	Support
Protective Performance	**Anti drop height**	1.5m
	Waterproof performance	1.5m, 30minutes
	Operating temperature	(-20 ℃~55℃
	Storage temperature	(-40 ℃~70℃
	Extreme state temperature	45 ℃
	Speaker loudness value	95dB

CNAS 中国认可 检测 TESTING CNAS L0738

170021131268

CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 20.2303

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:	Unicorn10
Marking:	Ex ib ⅡC T4 Gb / Ex ibD 21 T130℃
Technical Documents:	Q/DLM 006-2020
Drawing No.:	Unicorn10-00
Note(s):	1.Power supply by dual protection rechargeable lithiumion battery with rated voltage 3.8VDC, nominal napacity:8000mAh; 2.Ambient temperature range:-20℃≤Ta≤+60℃; 3. IP code:IP68 @1.5m,30min.

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: 8.3.2020

Valid till: 8.2.2025

Authorize:

煤炭科学技术研究院有限公司检测中心 检测检验专用章

Test Center Of China Coal Research Institute（煤炭科学技术研究院有限公司检测中心）

（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