

DORLAND Industrial Intrinsically Safe Smartphone Unicorn9

Beijing Dorland System Control Technology Co., Ltd. recently launched the industrial intrinsically Safe Smartphone Unicorn9, which adopts advanced technology and intrinsically safe circuit design, with a strong appearance and strong body. The mobile phone adopts a 5.84 inch (19:9) water drop screen design, equipped with a front 16mp, a rear 48mp + 5MP + 2MP + thermal imaging module, its waterproof and dustproof performance meets the international IP68 standard.

In addition, the mobile phone supports OTG, fingerprint unlocking and other functions. The mobile phone is equipped with GPS + GLONASS + Beidou + Galileo positioning system, which is suitable for outdoor construction, pipeline inspection and other functions, and can cooperate with OA office system, patrol positioning system, data acquisition system and other applications. It is 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.

Protection Grade: IP68

Marking: Ex ib IIC T4 Gb / Ex ibD 21 T130°C

OS: Android 9.0

Screen: 5.84" FHD+ IPS (19:9) 2280*1080

Memory: 8GB RAM+128GB ROM

Storage Card: max up to 128GB

CPU: MT6779 8-core 2.2GHz

Cameras: Rear camera 48M+5M+2M

Front camera 16M

Battery: 4380mAh

Battery voltage: 3.85V

Frequency:

GSM:850/900/1800/1900

3G:WCDMA: B1/2/4/5/6/8/19 TDS:34/39

CDMA:BC0/BC1/BC10

LTE-FDD:B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28A/28B/66

TDD:B34/38/39/40/41



Authentication parameters		Description
Authentication parameters	Marking	Ex ib IIC T4 Gb / Ex ibD 21 T130°C
	Certificate No.	CCRI 21.2044
	IP code	IP68
Hardware configuration		Description
Appearance	Dimensions, mm	156.5X78.3X14.2 mm
	Weight, g	273g
Screen	Size, inch	5.84inch
	Resolution	1080*2280 19:9
	Panel type	IPS
	Display resolution	FHD+ IPS
Touch panel	Multi-touch, points supported	Five points(Multi point + gesture)
	glass	Corning 5th gorilla glass
Connectivity	Wi-Fi version&spec	802.11a/b/g/n/ac
	Bluetooth	BT5.0
	GSM spec	850/900/1800/1900
	3G spec	WCDMA: B1/2/4/5/6/8/19 TDS: 34/39 CDMA: BC0/BC1/BC10
	LTE spec	FDD:B1/2/3/4/5/7/8/12/13/17/18/19/20 /25/26/28A/28B/66 TDD B34/38/39/40/41
	GPS spec	Yes
CPU	CPU name	MT6779V/CE
	Cores qty	8 core
	CPU clock (real clock using cpu-z)	Two ARM® Cortex-A75 cores operating at2.2GHz Six ARM® Cortex-A55 cores operating at 2.0GHz
	RAM	8GB
	ROM	128GB
	TF card slot	Yes
	Max TF card capacity	128GB
	USB type & qty	24pin Type-C
Camera	Front, Mpix	16MP
	Front Flash	No
	Rear, Mpix	48MP+5MP+2MP+Thermal imaging module
	BSI	Yes
	ARRAY SIZE	8000*6000+2592*1944+1600*1200
Sound	Speaker qty	1
Power	Battety type & V/A	4.35v 3.85V
	Battery capacity, mAh	4000mAh
	Battery working	3.4V~4.4V

	voltage range, V	
	Max charging current for the battery, mAh	9v 1.67A
Multi-media	video	mp4,3gp,3gpp,avi,x-flv ,etc.
	audio	ogg ,aac,imy,amr,x-flac,mp3,etc.
	image	jpeg/png/gif/bmp
	Operation system	Android 9.0
	Navigation support	GPS+GLONASS+beidou+Galileo
	Sensors	Yes (Proximity, Light, G-sensor etc)
	Gesture	Yes
	Gyroscope	Yes
	Magnetic	Yes
	Air pressure sensor	Yes
	Compass	Yes
	fingerprint	Yes
	RGB	Yes
	NFC	Yes
	Coulomb Counter	Yes
	Wireless charging	YES
	Hardware intercom	No
	UV/ Thermal imaging module	Yes, optional
	Heart rate test	Yes
	Sim-card quantity	2
Sim-card type	Two nano card, two cards are in it at the same time, one 4G traffic, one 2 / 3 / 4G standby, (dual 4G standby, choose any one to use traffic) one card is receiving and making calls, and the other card cannot answer and make calls	
FM	Yes, using headphones as antennas	
OTG (+USB Host function)	Yes	
Earphones 3,5mm jack type (OMTP or CTIA)	No	
Total standby time, h	528H	
Total talk time, h	26H	
User Manual	Yes	
Accessories	Protective film separately	Yes
	Power adaptor	9V 1.67A, white

Beijing Dorland
System Control
Technology Co., Ltd.

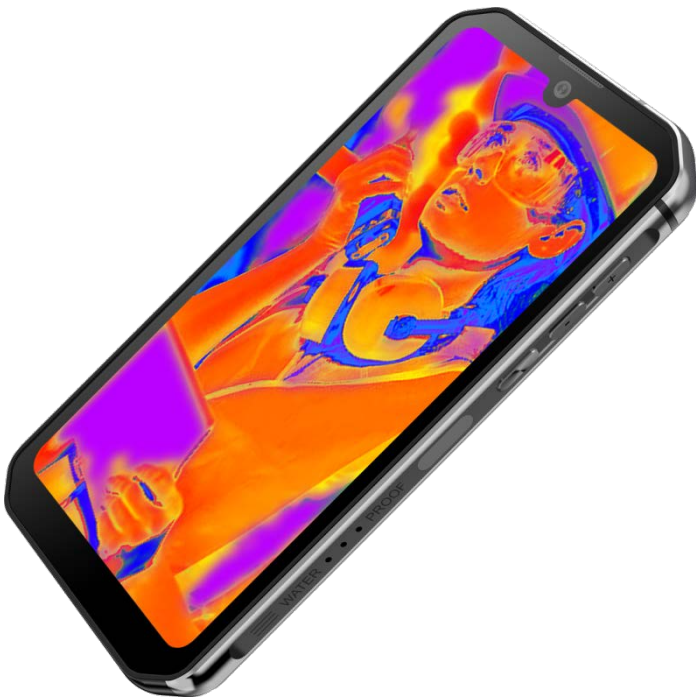
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(spec+color)	
USB charging	Yes
USB connector type	24pin TYPE-C
OTG cable (color)	Yes
Earphones (color)	TYPE-C
USB cable (color)	White



  <p>中国认可 检测 TESTING CNAS L0738</p>	
170021131268	
CONFORMITY CERTIFICATE OF EXPLOSION-PROOF	
Certificate No.: CCRI 21.2044	
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:	Unicorn9
Marking:	Ex ib II C T4 Gb / Ex ibD 21 T130°C
Technical Documents:	Q/DLM 001-2021
Drawing No.:	Unicorn9-00
Note(s):	1.Power supply by dual protection rechargeable lithiumion battery with rated voltage 3.8VDC, nominal capacity:5000mAh; 2.Ambient temperature range:-20°C≤Ta≤+60°C; 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:	1.21.2021
Valid till:	1.20.2026
Authorize:	 
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.ccrirc.com.cn/Home	