

DORLAND Industrial Intrinsically Safe Mobile Phone DL_01

DORLAND System Control Technology Co., Ltd. recently introduced the intrinsically safe smartphone DL_01. It adopts advanced technology, intrinsically safe circuit design, domineering appearance and solid body. The mobile phone adopts 2.4 inch screen, equipped with 200M pixel camera at the rear. Its waterproof and dustproof performance meets the international IP68 standard.

In addition, the phone supports Bluetooth, suitable for outdoor construction and pipeline inspection. It can cooperate with office, data acquisition and other applications. Especially suitable for hazardous explosion environment, such as petroleum, chemical, pharmaceutical, military, 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

Certificate No.: CE21.0302

Screen: 2.4 inch QVGA touch screen, 320*240px

Processor: Mediatek MT6739 Cortex A53 quad core, 1.5GHz; GPU: PowerVR GE8100, 570MHz

RAM: 1GB RAM

ROM: 8GB ROM, support Micro SD card up to 64GB maximally

Camera: Single camera: 2.0MP rear camera with flashlight

Battery: Removable 2100/3500mAh li-polymer battery

Positioning: Support GPS/Beidou/GLONASS

NFC: Optional, support ISO18092, ISO14443 A/B, ISO15693 protocols

Network Bands: 2G: GSM 850/900/1800/1900MHz

3G: WCDMA B1/B2/B5/B8; TDS(B34/39)+CDMA: BC0 1X EVDO

4G: FDD-LTE B1/B3/B5/B7/B8/B20, TDD-LTE: B34/B38/B39/B40/B41

Wi-Fi: IEEE 802.11 b/g/n, support wifi hotspot

BT: V4.2 (BLE)

PoC function: Support Zello, real PTT, Pocstar etc.

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Authentication	Description
Marking	Ex ib IIC T4 Gb
Certificate No.	CE21.0302
IP code	IP68
Product appearance	Description
weight	208g (include battery)
size	134.5*59.5*21mm
OS	Android 8.0 Go
Hardware configuration	Description
Screen	2.4 inch QVGA touch screen, 320*240px
Processor	Mediatek MT6739 Cortex A53 quad core, 1.5GHz; GPU: PowerVR GE8100, 570MHz
RAM	1GB RAM
ROM	8GB ROM, support Micro SD card up to 64GB maximally
Camera	Single camera: 2.0MP rear camera with flashlight
Battery	Removable 2100/3500mAh li-polymer battery
Speaker	Φ36/1.5W waterproof speaker
Sensor	Gravity sensor, proximity sensor, light sensor
Buttons	PTT*1, volume +/-, SOS button*1, custom buttons*1, T9 keypad
LED Indicator	Red/green
Flashlight	Support
Network & Connectivity	Description
Network Bands	2G: GSM 850/900/1800/1900MHz
	3G: WCDMA B1/B2/B5/B8; TDS(B34/39)+CDMA: BC0 1X EVDO
	4G: FDD-LTE B1/B3/B5/B7/B8/B20, TDD-LTE: B34/B38/B39/B40/B41
Wi-Fi	IEEE 802.11 b/g/n, support wifi hotspot
BT	V4.2 (BLE)
Positioning	Support GPS/Beidou/GLONASS
NFC	Optional, support ISO18092, ISO14443 A/B, ISO15693 protocols
I/ O interfaces	Description
Micro SIM Slot	*1
TF card slot	*1

Micro USB Port	*1
Other features	Description
PoC function	Support Zello, real PTT, Pocstar etc.
Reliability	Description
Working Temperature	-20℃~+60℃
Storage Temperature	-30℃~+60℃



CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CE21.0302

Name of Product: Industrial Intrinsically Safe Mobilephone
Type of Product: DL_01
Marking: **Ex Ib II C T4 Gb**
Technical Documents: Q/DLM 001-2016
Drawing No.: DL_01
Note (s):

1. The equipment is powered by Ex Battery 101 3.7V 2100mAh.
2. Ambient temperature: 0℃ ≤ Ta ≤ +40℃..
3. IP code: IP68 (Depth of water is 2 meters and duration is 30 minutes).

By verifying the drawings and technical documents and checking samples, the product complies with the following standards:

GB 3836.1-2010 GB 3836.2-2010

Issued to: Beijing Dorland System Control Tech Co.,Ltd.
Date of Expire: 2026-09-24
Date of Issue: 2021-09-24

Center seal  **Director** 
Liu Hongguang

National Ex Products Quality Inspection and Testing Center (TianJin)
(Supervision & Test Center of Ex- products of China Petroleum & Chemical Industry)

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