Beijing Dorland System Control Technology Co., Ltd.
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Dorland Industrial Intrinsically Safe Handheld Terminal

iDEN_02

Developed by Beijing Dorland System Control Technology Co., LTD., the industrial intrinsically safe EX handheld terminal iDEN_02 adopted advanced technology with intrinsically safe circuit. The product is equipped with Android 11.0/8.1 intelligent operating system, high-performance processor, quad core CPU, and powerful configuration. It can integrate built-in barcode scanning, NFC reading and writing, high-definition camera, GPS positioning and other modules and functions. It is suitable for outdoor construction, pipeline patrol inspection and other functions, and can cooperate with OA office system, patrol positioning system, data acquisition system and other applications.Especially it is used in dangerous environment of the explosion, such as petroleum, chemical, pharmaceutical, oil depot, tank farm as well as the dangerous sites with combustible and explosive gas. It is convenient for users to dispatch communicate timely.

Marking: Ex ib IIC T4 Gb / Ex ibD 21 T130℃
Certificate NO.: CCRI 22.2216
IP Grade: IP65

Software OS: Android10.0/8.1
CPU Platform: Octanuclear 2.0GHz / Quad-core 1.3GHz
LCD: 4.0' 480*800 capacitance touch HD screen
Frequency: 4G: FDD-LTE\TDD-LTE
3G: WCDMA\TDSCDMA\CDMA2000
2G: GSM/GRPS
Memory: 2GB RAM 16GB ROM / 3GB RAM 32GB ROM
/ 4GB RAM 64GB ROM / 6GB RAM 128GB ROM
Main camera: Rear 8M pixels, support flash lamp, automatic focusing
and videoing 2 mega pixel front-facing autofocus camera
Battery capacity: 4800mAh Use time ≥8 hours standby time > 300 hours
Size: 156*68*20.5mm
Weight: 241g (including standard battery)
NFC(optional): 13.56MHz,support ISO14443 A&B and ISO15693 protocols,etc.
Sensor (optional): Support distance sensing, light sensing and acceleration sensing

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Certificate parameter	Describe
Marking	Ex ib IIC T4 Gb / Ex ibD 21 T130℃
Certificate NO.	CCRI 22.2216
IP Grade	IP65
Performance parameter	**Describe**
OS	Android 10.0 / Android 8.1
CPU	Octanuclear 2.0GHz / Quad-core 1.3GHz
Memory	2GB RAM 16GB ROM /3GB RAM 32GB ROM /4GB RAM 64GB ROM / 6GB RAM 128GB ROM
Physical parameter	**Describe**
LCD	4.0' 480*800 capacitance touch HD screen
Camera(optional)	Rear 8M pixels,support flash lamp,automatic focusing and videoing 2 mega pixel front-facing autofocus camera
Input method	English input,supporting install application program
Battery life	with over 8 hours regular user time, standby time > 300 hours
Battery capacity	Demountable 3.8V 4800mAh polymer lithium battery(supportive RTC battery)
Appearance dimension	156*68*20.5mm
weight	241g (including standard battery)
keyboard	22 regular keys,1 main scanning key,2 side scanning keys,1 PTT key,1 volume± and power key
The power adapter	Input: AC 100 ~ 220V 50/60HZ; Output: DC 5-2.5A
Audio	loudspeaker
Notification	Speaker, indicator light and vibration
External interface (optional)	1 industrial type-C USB2.0 interface charging data interface
	1 micro sd/ TF card slot
	1 SIM card slot (optional), 1 dual charging data base; Support charging the device and one battery at the same time (optional)
Communication data parameter	**Describe**
WIFI	Dual band WiFi, support IEEE 802.11 a/b/g/n/ac, support the coexistence of WiFi and Bluetooth
Bluetooth	BT4.0/5.0

GPS	GPS,BeiDou,GLONASS,Galileo
WWAN	4G: FDD-LTE\TDD-LTE
	3G: WCDMA\TDSCDMA\CDMA2000
	2G: GSM/GRPS
Identification parameter	**Describe**
Barcode	1D Laser/2D image scanning engine
	Scanning precision：1D(≥ 3 mil) / 2D(≥ 5mil)
	Reading distance：3cm-70cm(Depends on barcode density and code system)
	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5,Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS etc;PDF417, MicroPDF417, Composite, RSS, TLC-39, Data matrix, QR code, Micro QR code,Aztec,Postal Codes: US PostNet; US Planet, UK Postal; Japan Postal Dutch Postal (KIX)etc.
NFC(optional)	13.56MHz,support ISO14443 A&B and ISO15693 protocols,etc.
Sensor (optional)	Support distance sensing, light sensing and acceleration sensing
Environmental parameter	**Describe**
Working temperature	-10℃～60℃
Storage temperature	-20℃～70℃
Electrostatic protection	±15kV air discharge, ±8kV direct discharge
Relative humidity	5%～95%RH
Height of anti-dropping	Bear the impact of dropping to smooth cement ground from the height of 1m for many times
Anti-rolling strength	Almost many times for rolling within the scope of 1m(impact force)
Protection grade	IP65 grade
Accessories parameter	**Describe**
Standard accessories	battery, power adapter, data cable, chest strap
Optional accessories	quadruple charger, protective cover and seat charger

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CNAS 中国认可 检测 TESTING CNAS L0738

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CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 22.2216

Company:	Beijing Dorland System Control Tech Co., Ltd.
Address:	Room 1107,Tower B,Tsinghua Tongfang Technology Square,No.1 Wangzhuang Road,Haidian District,Beijing,P.R.China
Name of Product:	Industrial Intrinsically Safe Handheld Terminal
Type of Product:	iDEN_02
Marking:	Ex ib IIC T4 Gb / Ex ibD 21 T130°C
Technical Documents:	Q/DLM 011-2021
Drawing No.:	iDEN_02 BZ01
Note(s):	1.The rated voltage is DC 3.8V, Powered by a dual-protected polymer lithium-ion battery,Battery cell model:975062 , Nominal capacity: 4800mAh; 2.Ambient temperature range:-10°C≤Ta≤+60°C;IP code:IP65; 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: 28.03.2022

Valid till: 27.03.2027

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