Dorland System Control Tech Co., Ltd.
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DORLAND Industrial Intrinsically Safe Tablet Pad Ex screen K10

DORLAND System Control Tech Co., Ltd. has recently launched the Industrial Intrinsically Safe Tablet Pad Ex screen K10, which adopts advanced technology, intrinsically safe circuit design, powerful appearance, and sturdy body. This product adopts a 10.1-inch touch screen design and is equipped with a front 5-megapixel camera and a rear 13 megapixel camera. Its waterproof and dustproof performance meets the international IP65 standard.

In addition, we have also equipped it with various functions suitable for outdoor construction, pipeline inspection, etc., such as domestic dual frequency single Beidou, which can be used in conjunction with OA office systems, inspection positioning systems, data acquisition systems, and other applications. Especially suitable for harsh environments with hazardous explosions, such as petroleum, chemical, pharmaceutical, oil depots, tank farms, and other hazardous areas with flammable and explosive gases, facilitating timely communication between users, production, and scheduling.

IP Grade: IP65

Ex-Marking: Ex ib IIC T4 Gb / Ex ib IIIC T130℃ Db

Certificate NO.: CCRI 23.7389X

CPU: RK3588 4xArm Cortex-A76 2.4GHz 6xArm Cortex-A55 1.8GHz
Storage: RAM 8/16GB+ROM 128/256/512GB/1TB
OS: Galaxy Kirin (V10) Defense Edition/Desktop Edition, Android 14 System, Ubuntu 22.04 System
Screen: 10.1-inch IPS 16:10 Resolution: 1200 * 1920
Camera: Front camera 5MP fixed focus camera
Rear camera 13MP autofocus camera, flash
Battery: replaceable polymer lithium battery 10000 mAh/3.8V
with a battery life of ≥ 6h (1080P+50% brightness)
Dimensions: 277.48 * 182.74 * 21.5mm
Weight: Approximately 1018g
Bluetooth: BT5.3 (BLE) class1 Transmission distance: 10m
WIFI: 802.11 (a/b/g/n/ac) frequency 2.4G+5.8G dual band WIFI
Frequency band: 5G/4G optional
LTE:B1/2/3/4/5/7/8/12/13/20/25/26/28/34/38/39/40/41/66
NR:N1/2/3/5/7/8/12/20/25/28/38/40/41/66/77/78/79
Satellite positioning: Domestic dual frequency single Beidou L1+L5
Optional modules:
NFC, fingerprint, ultra-high frequency, ID card, high-frequency RFID&low-frequency, 2D scanner

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Product Certificate	
Ex-Marking	Ex ib IIC T4 Gb/ Ex ib IIIC T130℃ Db
Certificate NO.	CCRI 23.7389X
IP Grade	IP65
Appearance parameters	
Dimension	277.48*182.74*21.5mm
Weight	≈1018g
System parameters	
CPU	RK3588 4xArm Cortex-A76 2.4GHz 6xArm Cortex-A55 1.8GHz
RAM	8/16GB
ROM	128/256/512GB/1TB
OS	Galaxy Kirin (V10) Defense Edition/Desktop Edition, Android 14 System, Ubuntu 22.04 System
Hardware parameters	
Battery	Interchangeable polymer lithium battery 10000 mAh/3.8V, with a battery life of ≥ 6h (1080P+50% brightness)
Charging indicator light	1. When the battery level is ≤ 10%, the red light flashes, and when the adapter is plugged in, the red light stays on for charging 2. 10% battery level ≤ 90%, plug in adapter with red light constantly on for charging 3. Battery level>90%, plug in adapter with green light constantly on for charging
Power supply	100-240VAC0.5A 50/60Hz DC 19V/2A Optional aviation plug interface
Camera	Front camera 5MP fixed focus camera Rear camera 13MP autofocus camera, flash
WIFI	WIFI 802.11 (a/b/g/n/ac) frequency 2.4G+5.8G dual band WIFI
Bluetooth	BT5.3 (BLE) class1 transmission distance: 10m
5G/4G (Optional)	Optional selection: LTE: B1/2/3/4/5/7/8/12/13/20/25/26/28/34/38/39/40/41/66 NR: N1/2/3/5/7/8/12/20/25/28/38/40/41/66/77/78/79
Satellite positioning	Domestic dual frequency single Beidou L1+L5
Display screen	10.1-inch IPS LCD, 1200 * 1920, 16:10, 800cd/㎡
	Multi point capacitive touch screen (G+G), Corning Gorilla third-generation cover, hardness 7H/scratch resistant, optional wet hand touch, glove touch
Button	Power on/off button * 1 Volume keys * 2, Vol+， Vol- Function keys * 2, P key, F key
Horn	*2 1.2W/8 Ω aluminum film
Microphone	*2. Simulate MIC
Sensor	Gravity Acceleration/Distance/Compass/Gyroscope/Light Sensing

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Interface	
I/O Interface	USB1 * 1, Type-C USB2.0 (OTG cable/Ethernet port)
	USB2 *1， USB 2.0
	RJ45 *1， 1000Mbps
	RS-232 * 1, 3pin (data receiving/sending/GND)
	Reserved aviation plug * 2, customizable aviation plug interface (RS serial port/USB/DC5V/RJ45 network port)
	DC *1， DC 19V/2A
	Earphones * 1, 3.5mm standard headphone jack
	Pogo PIN * 1, 12PIN USB+charging
	SIM card * 1, standard Micro SIM card slot
	TF card * 1, supports up to 256GB expansion
Optional module	
NFC	13.56MHz supports protocols such as 14443A/14443B/15693
fingerprint	/Industrial fingerprint/Ministry of Public Security fingerprint/FBI fingerprint
ultra-high frequency	/ PR9200, Distance: 3M-5M R2000, Distance: 10M-12M
ID card	/ Ministry of Public Security authentication offline ID card module
RFID&Low Frequency	/13.56MHZ/125K protocol
2D scanning head	/Honeywell 4680/Newland N1
Three prevention parameters	
Rugged Features	Anti drop 1.2m, cement floor
	Working temperature: -20 °C to 60 °C
	Storage temperature: -30 °C to 70 °C

CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 23.7389X

Applicant Company:	**Beijing Dorland System Control Tech Co.,Ltd.**
Address:	**Room1107,Tower B,Tsinghua Tongfang Technology Square,No.1 Wangzhuang Road,Beijing,P.R.China**
Name of Product:	**Industrial Intrinsically Safe Tablet Pad**
Type of Product:	**Ex screen K10**
Marking:	**Ex ib ⅡC T4 Gb/Ex ib ⅢC T130℃ Db**
Technical Documents:	**Q/DLM 006-2023**
Drawing No.:	**Ex screen K10.ZZ01**
Note(s):	**1.Rated voltage DC 3.8V, power supply using lithium-ion battery with dual protection. 2.Operating temperature: -20℃≤Ta≤+60℃.IP code: IP65. 3.The certificate suffix 'X' indicates that it is forbidden to use various cable interfaces in dangerous places, and it is forbidden to charge and replace batteries in dangerous places; When transmitting data or charging, it is necessary to use a special connection device with energy limiting measures that has been evaluated, and the precautions for use are detailed in the manual. 4. Association inspection report number: 202355768.**

By verifying the drawings and 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: 12. 19. 2023

Valid till: 12. 18. 2028

Authorize:

Coal Science (Beijing) Test Technology Co., Ltd.
(Beijing Test 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://www.ccrite.com.cn/Home