DORLAND Industrial Intrinsically Safe Tablet PC/Pad Ex Tablet12

DORLAND System Control Tech Co., Ltd. recently launched Ex Tablet 12, industrial intrinsically safe tablet PC/Pad. It adopts advanced technology and intrinsically safe circuit design, with a strong appearance and strong body. This product adopts windows 11/10 operating system and 12.2 inch touch screen design, equipped with front 2 MP + rear 8 MP cameras, its waterproof and dust-proof performance reaches the international IP65 standard.

In addition, we also configured GPS/GLONASS/Beidou, altitude measurement, compass and other functions suitable for outdoor construction and pipeline inspection, which can cooperate with OA office system, patrol positioning system and 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.

Ex-marking: Ex ic IIB T5 Gc
Certificate NO.: SYEx23.06208X
IP Grade: IP65

OS: Windows 11, optional: Windows 10
Screen: 12.2 inch 16:10 1920*1200
Memory: RAM 16GB, optional: maximum support up to 64GB
ROM 128GB, optional: maximum support up to 2TB
CPU: Intel Core i5-1235U, optional: Intel Core i7-1255U
Cameras: Front:2.0MP + Rear: 8.0MP
Battery: Removable Li-polyment Battery 7.4V/6300mAh
4.5hrs (50% volume sounds, 50% screen brightness, 1080P HD video display by default)
Dimension: 339.3*230.3*26 mm
Weight: Device unit 1500g
GPS: Supports GPS, Glonass, with Beidou as an option
Bluetooth: BT5.1, transmission distance: 10m
WIFI: Wi-Fi 6 802.11a, b, d, e, g, h, i, k, n, r, u, v, w, ac, ax, operating on frequencies of 2.4G and 5.8G
Module extension(Choose one from four)**:** Ethernet port, Serial port, Large mouth USD2.0, QR code

Dorland System
Control Tech Co., Ltd.

Room1107, Tower B, Tsinghua Tongfang Technology Square,
No.1 Wangzhuang Road, Haidian District, Beijing, P.R.China

Tel: +86-10-62198496
Tel: +86-10-62164681

www.dorland-tech.com
tian@dorland.com.cn

DORLAND

www.dorland-tech.com



Product Certificate	
Ex-marking	Ex ic IIB T5 Gc
Certificate NO.	SYEx23.06208X
IP Grade	IP65
Tech Spec	
Dimension	339.3*230.3*26 mm
Weight	1500g
Display screen	12.2-inch IPS screen with a 16:10 aspect ratio, resolution of 1920x1200, and 650 nits
Touch screen	10-point G+G capacitive screen
Camera	**Front** 2.0MP + **Rear** 8.0MP
I/O Interface	USB 3.1 Type-Ax 1, USB Type-Cx 1, SIM card x1, TF card x1, supporting up to 128G,,
	HDMI 2.1a Mini x 1, 12PIN Pogo Pin x 1, Φ3.5mm standard headphone jack x1, Φ5.5mm DC power jack x1
Power adapter	AC100V~240V, 50Hz/60Hz, outputting DC 19V/3.42A
NFC	Optional, 13.56MHz, reading distance: 4cm
Fingerprint	standard configuration
Battery performance	
Battery	Removable Li-polyment Battery 7.4V/6300mAh 4.5hrs (50% volume sounds, 50% screen brightness, 1080P HD video display by default)
Performance parameters	
CPU	Intel Core i5-1235U, optional: Intel Core i7-1255U
OS	Windows 11, optional: Windows 10
Memory	**RAM** 16GB, optional: maximum support up to 64GB **ROM** 128GB, optional: maximum support up to 2TB
Product appearance configuration	
WIFI	Wi-Fi 6 802.11a, b, d, e, g, h, i, k, n, r, u, v, w, ac,ax, operating on frequencies of 2.4G and 5.8G
Bluetooth	BT5.1, transmission distance: 10m
5G (optional)	5G SA&NSA: LTE FDD: B1/B3/B5/B7/B8/B20 LTE-TDD: B40 WCDMA: B1/B5/B8 GSM: B3/B8 N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N71/N77/N78/N79
GPS	Supports GPS, Glonass, with Beidou as an option
Reliability	
Operating Temperature	Operating temperature: -20 °C to 60 °C
Storage temperature	Storage temperature: -30°C to 70°C
humidity	95% non-condensing
drop height	1.22 meters drop-resistant, composite wood flooring
Electrostatic Discharge	Electrostatic discharge: ±8kV contact discharge, ±15kV air discharge

Expansion module (choose one from the following four modules)	
Ethernet port	Network port RJ45 (standard configuration, 10/100/1000M) *1
serial port	Serial port DB9 (RS232) *1
Large mouth USD2.0	Large port USD2.0 USB2.0 *1
QR code	QR code (optional) Optical resolution: 5mil, scanning speed: 50 scans/s
Extension Module	
Ethernet port	**RJ45** (standard, 10/100/1000M) *1
serial port	**DB9**(RS232) *1
Large mouth USD2.0	**USB2.0** *1
QR code	**Optional:** Optical resolution: 5mil, scanning speed: 50 times/s
Accessory	
Accessories	**Hand-strap (Standard configuration)** 
	Carry Handle (Standard configuration) 
	19V 3.42A Adapter (Standard configuration) 
	Docking Charger (Optional) **Battery and tablet can be charged simultaneously** 

	Vehicle Mount (Optional) 
	Stylus (Optional)  
	Removable Battery (Optional) 





CMA 210008349143

Explosion-proof electrical apparatus

CNAS 中国认可 检测 TESTING CNAS L1016

Conformity certificate of Explosion-proof

Certificate No. SYEx23.06208X

Manufacturer	Beijing Dorland System Control Technology Co., Ltd
Address	11-A1, 10th Floor, Building 2, Yard 1, Wangzhuang Road, Haidian District, Beijing
Factory	Beijing Dorland System Control Technology Co., Ltd
Address	11-A1, 10th Floor, Building 2, Yard 1, Wangzhuang Road, Haidian District, Beijing
Name of product	Industrial intrinsically safe tablet PC/Pad
Type specification	Ex Tablet12
Ex-marking	Ex ic IIB T5 Gc
Product standards	Q/DLM 003-2023 Drawing No. Ex Tablet12 BZ01
Note	1. The product is powered by two 4472139 lithium batteries (DC3.7V, 6300mAh) in series, with a maximum open circuit voltage of DC8.4V and a maximum short circuit current of 3.3A. The battery is sealed with a protective plate. 2. It is strictly prohibited to charge, disassemble, use interfaces and external plug-in devices in hazardous areas. 3. The nominal voltage is DC7.4V.

According to the above examination of product designs drawings and technical documents, and sample inspection, it has been confirmed that the following standards are met:

GB/T 3836.1-2021	GB/T 3836.1-2021 Explosive Atmospheres Part 1: General Requirements for Equipment
GB/T 3836.4-2021	GB/T 3836.4-2021 Explosive Atmospheres - Part 4: Equipment Protected by Intrinsically Safe "i"

Approved by

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Machinery industry Product Quality Supervisory and Test Center of Low-voltage Explosion-proof Electrical Product

SEDRI

Address: №10 Chaohu Street, Yuhong District, Shenyang, P.R.China
Postcode: 110141
Tel: 024-25833213、25833649-8033, 85831461
Fax: 024-25316883
Query URL: www.fbdqhy.com
E-mail: sy_ex@sina.com

Note: This certificate is valid only for products which are in agreement with the review and approval documents and samples.