DORLAND Industrial Intrinsically Safe Smart Explosion-proof Tablet PC Ex Tablet10

Beijing DORLAND System Control Technology Co., Ltd. recently launched Ex Tablet10, an intrinsically safe, intelligent industrial-grade explosion-proof tablet computer. Utilizing advanced technology and intrinsically safe circuit design, it boasts an imposing appearance and a sturdy body. This product features a Windows 11 operating system and a 10.1-inch touchscreen design, equipped with a front-facing 2-megapixel camera and a rear-facing 8-megapixel camera. Its waterproof and dustproof performance meets the international IP65 standard.

Furthermore, we have integrated various functions such as GPS, Beidou, and Glonass within the PAD, suitable for outdoor construction, pipeline inspection, and other applications. It can be used in conjunction with OA office systems, inspection positioning systems, data acquisition systems, and other applications. It is particularly suitable for harsh environments prone to dangerous explosions, such as hazardous areas with flammable and explosive gases in the petroleum, chemical, pharmaceutical, oil depot, and tank farm industries, facilitating timely communication between users and production and dispatching personnel.

Ex-marking: Ex ic IIC T5 Gc/Ex ic IIIC T95℃ Dc
Certificate NO.: SYEx25.1295X
IP Grade: IP65

OS: Windows 11 Home/Pro/IOT
Screen: 10.1 inches, 1920*1200 resolution, capacitive touch screen
Memory: 16GB LPDDR4x RAM + 128GB SATA SSD / 256GB / 512GB / 1TB PCIe SSD
CPU: Intel® Core™ 10-core, i5-1235U / i7-1255U
Camera: Rear 8.0MP + Front 2.0MP
Battery capacity: explosion-proof lithium battery, 3.7V, 10000mAh, 4.5 hours
Frequency band: 4G LTE
LTE-FDD: B1/3/5/7/8/20/28
LTE-TDD: B38/40/41
WCDMA: B1/5/8
GSM: /
Optional 5G Redcap
Dimension: 289.9*196.7*21.2mm
Weight: 1230g
Bluetooth: BT5.1
Navigation: GPS/Glonass module, optional GPS/Beidou/Glonass module
WiFi: Intel® Wi-Fi 6 (802.11 ax)
Expansion interface (choose one from four): default 10/100/1000M Ethernet port (RJ45) x1,
Serial port (RS232: D-sub, 9-pin) x1,
USB 2.0 (Type-A) x1,
One-dimensional/two-dimensional dock scanning

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Explosion-proof Certification	
Ex-marking	Ex ic IIC T5 Gc/Ex ic IIIC T95°C Dc
Certificate NO.	SYEx25. 1295X
IP Grade	IP65
Product Appearance	
Dimension	289.9*196.7*21.2mm
Weight	1230g
Specifications	
OS	windows 11 Home/Pro/IOT
CPU	Intel i5-1235U (12MB Cache, up to 4.4 GHz, 10 Cores, 12 Threads, TDP 15W)
	Optional Intel i7-1255U (12MB Cache, up to 4.7 GHz, 10 Cores, 12 Threads, TDP 15W)
Graphic card	Intel® Iris® Xe Graphics eligible
Memory	16GB LPDDR4x
	128GB SATA SSD
	Optional 256GB/512GB/1TB PCIe SSD
Screen	10.1-inch FHD screen (1200x1920), 700 nits
	10-point capacitive screen, supports GP930 active pen
Audio	microphone
	1W loudspeaker
	Class K audio power amplifier
Camera	2.0 MP front-facing camera
	8.0 MP rear camera
Keyboard & Input	Custom button (default scan button) x1
	Windows key x1, volume up key x1, volume down key x1, power key x1
WiFi	Intel® Wi-Fi 6 (802.11 ax)
Bluetooth	Bluetooth 5.1
Frequency band	4G LTE
	LTE-FDD: B1/3/5/7/8/20/28
	LTE-TDD: B38/40/41
	WCDMA: B1/5/8
	GSM: /
	Optional 5G Redcap
Navigation	GPS/Glonass module
	Optional GPS/Beidou/Glonass module
Safety	TPM2.0
	fingerprint module
	Optional HF-RFID (NFC) reader
Data collection	Optional one-dimensional/two-dimensional dock scanning

I/O interface	Micro SD card x1
	SIM card x1
	USB 3.1 (Type-A) x1
	USB 3.0 (Type-C) x1
	3.5mm standard headphone jack x1
	HDMI 2.1a mini x1
	5.5mm DC input connector x1
	12-pin Pogo pin x1 (charging & USB)
One-out-of-four interface	Default 10/100/1000M Ethernet port (RJ45) x1
	Serial port (RS232: D-sub, 9-pin) x1
	USB 2.0 (Type-A) x1
	One-dimensional/two-dimensional dock scanning
Power	Power adapter: 100-240V, 50Hz-60Hz, 64.98W (19V/3.42A)
	Explosion-proof lithium battery, 3.7V, 10000mAh, 4.5 hours
Reliability	
Reliability	Operating temperature: -20°C ~ 60°C
	Storage temperature: -30°C ~ 70°C
	Humidity: 95% with no condensation
Accessories	
Accessories	Standard accessories: adapter, AC cable, strap, handle
	Optional accessories: charging base, car mount, detachable battery, quad-charging base



Adapter



AC cable



Strap



Handle



Charging dock



Car mount



Removable battery



Four-in-one charging base

Explosion-proof electrical apparatus

Conformity certificate of Explosion-proof

Certificate No. SYEx25.1295X

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 smart explosion-proof Tablet PC
Type specification	Ex Tablet10
Ex-marking	Ex ic IIC T5 Gc; Ex ic IIIC T95℃ Dc
Product standards	Q/DLM 016-2025 Drawing No. ZZ01
Note	1. The product is powered by two 4088111 lithium batteries (DC3.7V, 5000mAh) connected in series, the battery and the protection board are encapsulated together. 2. It is strictly prohibited to charge, disassemble, or use sockets in hazardous areas. 3. Shell protection grade: IP65.

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 Explosive atmospheres-Part 1: Equipment - General Requirements
GB/T 3836.4-2021 Explosive atmospheres-Part 4: Equipment protection by intrinsic safety "i"

Approved by

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