

## **DORLAND Industrial Intrinsically Safe Tablet PC/Pad Ex Tablet10**

Beijing DORLAND System Control Technology Co., Ltd. recently launched Ex Tablet 10, intrinsically safe intelligent industrial-grade explosion-proof tablet computer. It adopts advanced technology and intrinsically safe circuit design, with a strong appearance and strong body. This product adopts windows 10 operating system and 10.1 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 / Beidou / GLONASS, 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.

**Marking:** Ex ic IIB T5 Gc

**Certificate NO.:** CCRI 20.2620

**IP Grade:** IP65

**OS:** windows 10(Home / Pro / IOT 64 bit) / Android 9.0

**Screen:** 10.1 inch 16:10 1200\*1920

**Memory:** 8GB DDR4L RAM + 128GB NGFF SSD(Detachable) / 256GB / 512GB

**CPU:** 8th Generation KBL-R Intel® Core™ i5-8250U 4M Cache, 3.40 GHz

**Cameras:** Front:2.0MP + Rear: 8.0MP

**Battery:** Lithium-ion polymer battery,

7.4V/860mAh(Non-removable) + 7.4V/5000mAh(Pluggable, Hot Swap)

**Dimension:** 290\*196\*22mm

**Weight:** Device unit: 1140g 5000mAh battery: 250g

**GPS:** U-blox M8Q ,Support: GPS, Beidou module, Glonass

**Bluetooth:** BT4.2 (BLE) class1 transmitted distance: 10m

**WIFI:** WIFI 802.11(a/b/g/n/ac) dual frequency 2.4G+5.8G WIFI intel 3165D2WG (3.3v)

**Module extension (Choose one from five):** (10/100M) Ethernet interface/(RS232)9-line full function/USB2.0 Big USB/One-dimension barcode/Two-dimension barcode

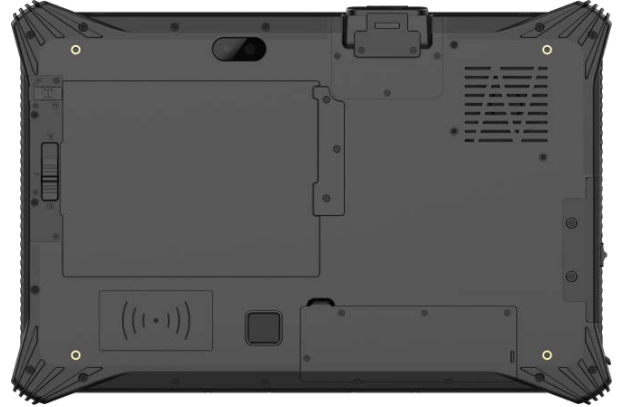
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Product Certificate			
<b>Marking</b>	Ex ic IIB T5 Gc		I
<b>Certificate NO.</b>	CCRI 20.2620		
<b>IP Grade</b>	IP65		
Product Outlook			
Type	Details	Standard Configuration	Optional
Product Form	<b>Dimension</b>	290*196*22mm	NA
	<b>Weight</b>	Device unit: 1140g 5000mAh battery: 250g	NA
	<b>Device Color</b>	Black (Front and Rear Panel: Black, Decorate Board:Black)	NA
LCD	<b>Screen Size</b>	10.1 inch 16:10	Full-fit components
	<b>Resolution</b>	1200x1920	
	<b>Brightness</b>	330 cd/m2	
TP	<b>Touch Panel</b>	10 points Capacitive, G+G, Rigidity: above 7H-Anti-scratch	Optional SLR Sunlight visible film
Camera	<b>Front</b>	Front:2.0MP	NA
	<b>Rear</b>	Rear: 8.0MP USB Camera With flash light	NA
Speaker	<b>Built-in</b>	Embedded 8Ω/0.8W waterproof speaker x 1	NA
Mic		Sensitivity:-42db, Output resistance:2.2kΩ	NA
Small Battery	<b>Type</b>	Build in Lithium-ion polymer battery, Non-removable	NA
	<b>Capacity</b>	7.4V/860mAh	NA
	<b>Endurance</b>	30mins(default 50% volumn, default200nit, play 1080P HD video)	NA
Bigl Battery	<b>Type</b>	Lithium-ion polymer battery , pluggable, Hot Swap	NA
	<b>Capacity</b>	7.4V/5000mAh	NA
	<b>Endurance</b>	8hrs(default 50% volumn, default200nit, play 1080P HD video)	NA
System Hardware Configuration			
Type	Details	Description	Optional
CPU	<b>Type</b>	8th Generation KBL-R Intel® Core™ i5-8250U	NA
	<b>Speed</b>	4M Cache, 3.40 GHz	NA
GPU	<b>Type</b>	Intel® UHD Graphics 620	NA
RAM	<b>DDR4L</b>	8GB	NA
SSD	<b>NGFF SSD</b>	128GB removable	256GB/512GB
TPM	<b>Built-in</b>	TPM2.0 SLB9665T	NA
G_sensor	<b>Built-in</b>	Gravity acceleration sensor	NA

<b>Fingerprint</b>	<b>Built-in</b>	x1 SPI Fingerprint (windows hellow boot login)	NA
<b>Fan</b>	<b>Built-in</b>	x1 IPX5 风扇	NA
<b>NFC</b>	<b>Built-in</b>	NA	NXP100
<b>Network Connections</b>			
<b>Type</b>	<b>Details</b>	<b>Description</b>	<b>Optional</b>
<b>WIFI</b>	<b>WIFI Module</b>	WIFI 802.11(a/b/g/n/ac) dual frequency 2.4G+5.8G WIFI intel 3165D2WG (3.3v)	NA
<b>Bluetooth</b>	<b>Built-in</b>	BT4.2 (BLE) class1 transmited distance: 10m	NA
<b>4G</b>	<b>Built-in</b>	EC25-EC LTE FDD:B1/B3/B7/B8/B20/B28A WCDMA: B1/B8 GSM: B3/B8 China (China Unicom Telecom, mobile support is not good, only B8 supports no TDD band) Europe, Middle East, Africa, Taiwan, Japan	NA
<b>GPS</b>	<b>Built-in</b>	U-blox M8Q ,Support:GPS, Beidou module, glonass	NA
<b>Interface Configuration</b>			
<b>Type</b>	<b>Details</b>	<b>Descriptions</b>	<b>Optional</b>
<b>type A usb</b>	<b>USB3.0</b>	x1 USB 3.0	NA
<b>Type C</b>	<b>Type C</b>	*1 Type C (USB3.0/HDMI/Charging)	NA
<b>Earphone Jack</b>	<b>Audio Output</b>	φ 3.5mm Standard Earphone Jack x1	NA
<b>HDMI Jack</b>	<b>Audio&amp; Video Output</b>	HDMI 1.4a mini x1	NA
<b>TF Slot</b>	<b>Extensive External Memory</b>	Support TF x1 max: 128G	NA
<b>SIM Slot</b>	<b>SIM Slot</b>	SIM x1	NA
<b>DC Jack</b>	<b>Power</b>	DC 19V 3.42A φ4.0mm Power connector x1	NA
<b>pogo pin</b>	<b>pogo pin</b>	x1 12pin(USB&Docking charging)	NA
<b>Keys</b>			
<b>Type</b>	<b>Details</b>	<b>Descriptions</b>	<b>Optional</b>
<b>F KEY</b>	<b>Scanner key</b>	Scanner key x1, No barcode then customizable ((GPIO)	NA
<b>volume+</b>	<b>volume</b>	Volume adjustment key(+) x 1	NA
<b>volume-</b>	<b>volume</b>	Volume adjustment key(-) x 1	NA
<b>windows</b>	<b>windows key</b>	x1	NA
<b>power</b>	<b>power key</b>	x1	NA
<b>Indicator light</b>			
<b>Type</b>	<b>Details</b>	<b>Descriptions</b>	<b>Optional</b>
<b>power</b>	<b>Built-in</b>	Power on is always blue, power	NA

		off light is off x1	
<b>baterry</b>	<b>Built-in</b>	(Red and Green) Charging red, full of green, red light flashing on low power, not discharging x1	NA
<b>Module extension (Note: The following modules are one of five)</b>			
<b>Type</b>	<b>Details</b>	<b>Descriptions</b>	<b>Optional</b>
<b>Ethernet interface</b>	<b>RJ45 board</b>	*1(10/100M) Ethernet interface	
<b>serial port</b>	<b>DB9 board</b>	NA	*1 (RS232)9-line full function
<b>USB2.0</b>	<b>USB2.0</b>	NA	*1 USB2.0 Big USB
<b>One-dimension barcode</b>	<b>optional</b>	NA	Honeywell N6551/Optical resolution: 5mil/ scan speed: 50 times /s serial port
<b>Two-dimension barcode</b>	<b>optional</b>	NA	Honeywell N3680 hardcode
			Optical resolution: 5mil
			scan speed:50 times/ s
			Code system: PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse Maxicode, QR Code, Micro QR, QR Inverse, Aztec, Aztec Inverses, Han Xin, Han Xin Inverse
<b>Standard Accessories</b>			
<b>Type</b>	<b>Details</b>	<b>Descriptions</b>	<b>Optional</b>
<b>Power Adaptor</b>	<b>Standard</b>	AC100V ~ 240V、 19V3.42A/65W Output USA Standard CE approval	UK Standard
			EU Standard
<b>Software Configuration</b>			
<b>Type</b>	<b>Details</b>	<b>Descriptions</b>	<b>Optional</b>
<b>Operation System</b>	<b>OS version</b>	windows 10 Home 64bit Default language: English	windows 10 Home 64bit
			Windows 10 Pro 64bit
			Windows 10 IOT 64bit
<b>Reliability</b>			

Type	Details	Descriptions	Optional
Product Reliability	Drop Height	1.22cm composite wood floors, in operation status	
	Operate Temperature	'-20 °C to 60 °C	
	Store Temperature	'-30 °C to 70 °C	
	Humidity	Humidity: 95% Non-Condensing	
<b>Product feature:</b> <ol style="list-style-type: none"> <li>Support Windows 10.</li> <li>Support USB3.0 type A connector.</li> <li>Support Battery Single Charger Docking.</li> <li>Support GPS navigation.</li> <li>Support 1D/2D barcode scanner.</li> <li>Support Finger Identification.</li> <li>Rugged IP65 protection level.</li> <li>Support 5000mAh pluggable battery, big and small double batteries.</li> <li>Support UART port, RJ45 port and customized port.</li> <li>Support Wrist Strap and back jacket.</li> </ol>			

  <p>中国认可 检测 TESTING CNAS L0738</p>	
 <p>170021131268</p> <h2 style="text-align: center;">CONFORMITY CERTIFICATE OF EXPLOSION-PROOF</h2>	
Certificate No.: CCRI 20.2620	
Company:	Beijing Dorland System Control Tech Co.,Ltd
Address:	Room 807,Yingu Plaza, North 4th Ring West Road,Haidian District, Beijing 100080,P.R.China
Name of Product:	Industrial Intrinsically Safe Tablet PC/Pad
Type of Product:	Ex Tablet10
Marking:	Ex ic IIB T5 Ge
Technical Documents:	Q/DLM 010-2020
Drawing No.:	Ex Tablet10-00
Note(s):	<ol style="list-style-type: none"> <li>Power supply by rechargeable lithiumion battery with rated voltage 7.4VDC, the nominal total capacity of battery compartment 1 is 860mAh, and the nominal total capacity of battery compartment 2 is 5000mAh;</li> <li>Ambient temperature range:-20°C≤Ta≤+60°C;</li> <li>IP code:IP65.</li> </ol>
<p>By verifying the drawings and technical documents and checking samples,the product complies with the following standards currently valid in P.R.China:</p> <p style="text-align: center;">GB 3836.1-2010, GB 3836.4-2010, GB/T 4208-2017</p>	
Date of Issue:	1.6.2021
Valid till:	1.5.2026
Authorize:	
  <p><b>Test Center Of China Coal Research Institute</b> (煤炭科学技术研究院有限公司检测中心)</p> <p>(The test center of the national safety production of mining equipment and mining oil in Beijing)</p>	
<p>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: <a href="http://www.ccritc.com.cn/Home">http://www.ccritc.com.cn/Home</a></p>	