DORLAND Industrial Intrinsically Safe Tablet PC/PAD
EX Pad 07 5G (ATEX)

Developed by Dorland System Control Tech Co., LTD., Industrial Intrinsically Safe Tablet PC/PAD EX Pad 07 5G (ATEX) adopted advanced technology of Germany with intrinsically safe circuit, 8.0" touch screen and 5Megapixel (Front Camera)+16Megapixel (Rear Camera with Auto Focus) camera. Its waterproof and dustproof performance can meet the IP67 standards.

In addition, built-in GPS+Beidou+Glonass+Galileo+AGPS+SBAS, elevation measurement, compass, and other functions suitable for outdoor construction and pipeline inspection. It can also cooperate with OA office system, checking positioning system and data acquisition system etc.. 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.

ATEX marking: II 3G Ex ic IIC T4 Gc/II 3D Ex ic IIIC T135℃ Dc/IP67
Certificate NO.: ECM 25 ATEX-B WU27
IP Grade: IP67

OS: Android 15 (GMS)
CPU: Qualcomm ® Snapdragon SM4350 PRO, 8-core 2.2GHz
Screen: 8-inch IPS screen, resolution: 1920 * 1200, 500nits, visible in sunlight
Memory: 8GB RAM/128GB ROM
Camera: Rear camera with 16 megapixel autofocus and flash, front camera with 5 megapixel
Battery: 3.8V/9000mAh, detachable, supports tool free replacement
Frequency bands: GSM: 850/900/1800/1900
EVDO: BC0
WCDMA: B1/B2/B5/B8
TD-SCDMA: B34/B39
TDD-LTE: B34/B38/B39/B40/B41
FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B20/B28
5G NR: N1/N3/N28/N41/N78/N79
Bluetooth: Bluetooth 5.1
Wi-Fi: 802.11, a/b/g/n/ac/ax ready
NFC: Supports
Positioning:

Standard configuration: Four star positioning: Ublox M10N, Beidou/GPS/Galileo/GLONASS;

Optional: Single Beidou satellite positioning module, UMD220 (meter level single Beidou), UM980 (centimeter level full satellite), UMD980 (centimeter level single Beidou), F9P (centimeter level full satellite)


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EX Pad07-ATEX
5G
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Other accessories: optional

2D Scanner

Image Sensor	640X480 CMOS
illumination	Red light LED 625 ± 10n
Reading system	2D 1D



UHF RFID

FCC (USA) 902MHz ~ 928MHz
Europe 865MHZ~867MHZ
Reading label No. per second >50
Reading distance 1.5-2 Meter



Hand strap:



LAN

USB 2.0 to 10/100M Fast Ethernet Controller
USB2.0 to RMII, support HOmePNA and HomePlug PHY
USB2.0 to reverse-RMII,supports glueless MAC-to-MAC connections



Battery Charger

Support A5502/A5505/A8001 /A8002/A1001/A1002



Metal Cradle (RAM/VESA75/VESA100)



High precision positioning:



Explosion Proof Certificate		
Certificate	**ATEX marking**	II 3G Ex ic IIC T4 Gc/II 3D Ex ic IIIC T135°C Dc/IP67
	Certificate NO.	ECM 25 ATEX-B WU27
	IP Grade	IP67
Appearance		
Appearance	**Dimension**	235*146*13mm (9.3'' * 5.7'' * 0.5'')
	Weight	Approximately 594 grams (excluding battery, weight may vary slightly due to different optional modules)
	OS	Android 15 (GMS)
Parameters		
Performances	**CPU**	Qualcomm ® Snapdragon SM4350 PRO, 8-core 2.2GHz
	RAM+ROM	8GB RAM + 128GB ROM
	Display screen	8-inch IPS screen resolution: 1920 * 1200, visible under sunlight at 500nits
	Touch screen	Support multi touch
	Camera	Rear camera with 16 megapixel autofocus and flash front camera with 5 megapixel
	I/O interface	14 x Back Serial Port Supports UART/USB/CAN/DCIN/GPIO/USB2.0
	Physical button	Power supply Home， Menu, Return, Volume+/-, Custom Function Keys: F1, F2
	Port	*2 Nano SIM cards, Micro SD card (supporting 1T) Qualcomm® Quick Charge™ Type-C
Battery parameters		
Battery parameters	**Battery capacity**	3.8V/9000mAh, User-replacable
	Battery type	Explosion proof lithium-ion battery
	Battery life	12 hours of operation and 168 hours of standby.
Communications		
Communications	**Cellular (WWAN)**	GSM: 850/900/1800/1900 EVDO: BC0 WCDMA: B1/B2/B5/B8 TD-SCDMA: B34/B39 TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B20/B28 5G NR: N1/N3/N28/N41/N78/N79
	Wi-Fi	802.11, a/b/g/n/ac/ax ready
	Bluetooth	BT5.1
	NFC	NFC, 13.56 MHz
	Message	Speaker (2.0W), microphone

	Positioning	Standard configuration: Four star positioning: Ublox M10N, Beidou/GPS/Galileo/GLONASS; Optional: Single Beidou satellite positioning module, UMD220 (meter level single Beidou), UM980 (centimeter level full satellite), UMD980 (centimeter level single Beidou), F9P (centimeter level full satellite)
	Differential tool	Location Tool only supports GNSS version
Sensor		
Sensor	**Gravity**	Yes
	Gyroscope	Yes
	Accelerometer	Yes
	Light Sensing	Yes
Environmental parameters		
Environmental parameters	**Operating temperature**	-20 °C to 60 °C (-4 °F to 140 °F)
	Storage Temperature	-30 °C to 70 °C (-22 °F to 158 °F)
	RH Humidity	0% ～ 95% (non-condensing)
Optional Modules		
Optional module	**Spare battery**	3.8V/9000mAh
	Battery charging base	Input: 9V/3A; Output: 4.35V/1.5A
	Hand strap	80.50 * 96.00mm (inner diameter); 115 * 132mm (outer diameter); 4 * Screw hole: Ø 2.1 ± 0.05mm
	Strap	80.50 * 96.00mm (inner diameter); 140 * 230mm (outer diameter); 4 * Screw hole: Ø 2.1 ± 0.05mm; Shoulder strap length: 3m (adjustable)
	Pen	Active pen/passive pen
	Screen protector	128.44*204.53mm
	Car Mount	Metal bracket/plastic bracket
	Mid pole bracket	all-metal
	High precision differential (centimeter level)	UMD980 differential accuracy 0.01 m+1 ppm CEP
	Ultra high frequency radio frequency identification	902-928MHz/865-867MHz/840-845920-925MHz European/Standard/American UHF RFID Card
	2D scanning	Honeywell 6703 Zebra 4710
High precision single Beidou module (centimeter	**Module**	UMD980
	Signal (tracking frequency)	B1I、B2I、B3I、B1C、B2a、B2b
	Number of channels	one thousand four hundred and eight

level high-precision back clip) optional	**Single point positioning accuracy**	60-80cm
	NEMA message update rate	5 Hz/10Hz/20Hz/50Hz can be set
	Cold start	25 s
	Warm start	2 s
	Differential positioning accuracy	≤2.5cm+1ppm
	Data format	NMEA 4.10, UBX binary, RTCM 3.3
	INS	not supported
	GNSS antenna	Dual frequency external spiral antenna
	Built-in antenna	ublox M10

Certificato di esame UE del tipo

EU-type examination certificate

n. ECM 25 ATEX-B WU27

Rilasciato ai sensi della direttiva 2014/34/UE – Allegato III - Modulo B

Issued according to 2014/34/EU Directive – Annex III - Module B

Richiedente
Applicant

Ragione Sociale *Company Name*	BEIJING DORLAND SYSTEM CONTROL TECH CO., LTD.
Indirizzo *Address*	Room1107, Tower B, Tsinghua Tongfang Technology Square, No.1 Wangzhuang Road, Haidian District, Beijing, P.R.China.
Apparecchiatura *Equipment*	Industrial Intrinsically Safe Tablet PC/PAD
Modello(i) *Model(s)*	EX Pad07

Questa apparecchiatura o sistema di protezione e le sue eventuali varianti accettate sono descritte nel presente Certificato e nell'allegato dello stesso.

This equipment or protective system and any acceptable variation thereto are described in this Certificate and its Annex.

L'**ECM, Organismo Notificato n° 1282** in conformità all'art. 17 della Direttiva 2014/34/UE del Parlamento europeo e del Consiglio del 26 febbraio 2014, certifica che questa apparecchiatura o sistema di protezione verificata secondo la procedura di cui all'allegato III, Modulo B, è conforme ai requisiti essenziali di sicurezza e salute per il progetto e la costruzione di apparecchiature e sistemi di protezione destinati ad essere utilizzati in atmosfere potenzialmente esplosive, definiti nell'allegato II della Direttiva.
Le verifiche ed i risultati di prova sono registrati nel rapporto a carattere riservato n° PRD-2025-WU27.

ECM, Notified Body No. 1282 in accordance with Article. 17 of Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment or protective system was tested according to the procedure set out in Annex III, Module B, complies with the essential health and safety requirements for the project and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II of the Directive.
The examination and test results are recorded in confidential report no. PRD-2025-WU27.

I requisiti essenziali di sicurezza e salute sono assicurati dalla rispondenza alle **Norme applicate:** EN IEC 60079-0:2018+A11:2024, EN IEC 60079-11:2024.

The essential health and safety requirements are assured by compliance with applied **Standard**: EN IEC 60079-0:2018+A11:2024, EN IEC 60079-11:2024.

Questo **Certificato di esame UE del tipo** è relativo soltanto al progetto, all'esame ed alle prove dell'apparecchiatura o sistema di protezione specificato in accordo con la Direttiva 2014/34/UE. Ulteriori requisiti di questa Direttiva si applicano al processo di produzione e fornitura dell'apparecchiatura o sistema di protezione: questi requisiti non sono oggetto del presente certificato.

This **EU-type examination certificate** relates only to the design, examination and tests specified equipment in accordance with Directive 2014/34/EU. Further requirements of the Directive shall be applied to the manufacturing process and supply condition: these requirements are not covered by this certificate.

L'apparecchiatura o il sistema di protezione deve riportare i seguenti contrassegni:
The equipment shall be marked with the following symbols:

II 3G Ex ic IIC T4 Gc/II 3D Ex ic IIIC T135°C Dc/IP67

Valsamoggia (BO)
Data - *Date* 19/12/2025

Timbro

Scadenza - *Expiry date* 18/12/2030

Firma autorizzata
Authorized signature

Amanda Payne
(Deputy Manager)

Test Report / Technical Construction File no. **202355535**

Questo certificato, incluso l'allegato, può essere riprodotto solo integralmente e senza alcuna variazione.
This certificate, annex included, can only be reproduced in its entirety and without any change.

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