DORLAND Intrinsically Safe Industrial Explosion-proof Pad XPad_07 5G

DORLAND System Control Tech Co., Ltd. has recently launched the intrinsically safe intelligent industrial grade explosion-proof tablet computer XPad_07 5G, which adopts advanced technology, intrinsically safe circuit design, powerful appearance, and sturdy body. This PAD adopts an 8.0-inch touch screen design and is equipped with a front 5-megapixel and rear 16 megapixel ultra high definition camera.

Its waterproof and dustproof performance meets the international IP67 standard; In addition, we have also equipped the PAD with various functions suitable for outdoor construction, pipeline inspection, etc., such as Beidou/GPS/Galileo/GLONASS (optional single Beidou satellite positioning module) system, altitude measurement, compass, etc., which can be used in conjunction with OA office system, inspection positioning system, data acquisition system 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: IP67
Ex-marking: Ex ib IIC T4 Gb/ Ex ib IIIC T130℃ Db
Certificate NO.: CCRI 23.2951X

OS: Android 15.0
CPU: Qualcomm ® Snapdragon SM4350 PRO, 8-core 2.2GHz
Screen: 8-inch IPS screen resolution: 1920 * 1200, visible under sunlight at 500nits
Memory: 8GB RAM+128GB ROM
Camera: Rear camera with 16 megapixel autofocus and flash, front camera with 5 megapixel
Battery capacity: 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
GPS: 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)




XPad_07 5G
5G
DORLAND





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



Metal Cradle (RAM/VESA75/VESA100)



High precision positioning:



Explosion Proof Certificate		
Explosion Proof Certificate	Ex-Marking	Ex ib IIC T4 Gb/ Ex ib IIIC T130℃ Db
	Certificate NO.	CCRI 23.2951X
	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	Standard 3.8V/9000mAh, 34.2Wh. User-replacable
	Battery type	Explosion proof lithium-ion polymer 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	**Module**	UMD980

single Beidou module (centimeter level high-precision back clip) optional	**Signal (tracking frequency)**	B1I、B2I、B3I、B1C、B2a、B2b
	Number of channels	one thousand four hundred and eight
	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

CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 23.2951X

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 PC

Type of Product: XPad_07

Marking: Ex ib ⅡC T4 Gb/Ex ib ⅢC T130℃ Db

Technical Documents: Q/DLM 001-2023

Drawing No.: XPad_07 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: IP67.
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: 202355535.

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: 9. 7. 2023

Valid till: 9. 6. 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.ccritc.com.cn/Home