DORLAND Intrinsically Safe Industrial Explosion-proof Pad XPad_07 4G

DORLAND System Control Tech Co., Ltd. has recently launched the intrinsically safe industrial explosion-proof Pad XPad_07 4G, which adopts advanced technology, intrinsically safe circuit design, powerful appearance, and sturdy body. The PAD adopts an 8.0-inch touch screen design and is equipped with a front 5-megapixel and rear 32 megapixel ultra high definition Sony 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 SM6225pro, 8-core, 2.8GHz
Screen: 8-inch IPS screen, resolution: 1920 * 1200, 500nits, visible in sunlight
Memory: 8GB RAM/128GB ROM
Camera: Rear camera with 32 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: B38/B39/B40/B41
FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B17/B20/B28A/B28B/B19/B26/B66
Bluetooth: Bluetooth 5.1
Wireless: 802.11 a/b/g/n/ac/ax ready
NFC: Supports
Sensors: accelerometer/light sensor/gyroscope/compass
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)


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XPad_07


XPad_07
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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



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（L*W*H）
	Weight	Approximately 594 grams (excluding battery, weight may vary slightly due to different optional modules)
	OS	Android 15 (GMS)
Parameters		
Performances	**Processor**	Qualcomm ® Snapdragon SM6225pro, 8-core, 2.8GHz
	RAM and Storage	8GB RAM+128GB ROM
	LCD	8-inch IPS screen resolution: 1920 * 1200, visible under sunlight at 500nits
	Touch panel	Supports multi touch
	Camera	Rear camera with 32 megapixel autofocus and flash front camera with 5 megapixel
	I/O Interface	14*Back Serial Port Supports UART/USB/CAN/DCIN/GPIO/USB2.0
	SIM/TF card	Dual SIM Dual Standby Nano SIM
	Buttons	Power Supply, Home, Menu, Return, Volume+/-, Custom Function Keys: F1, F2
	Ports	*2 Nano SIM card, 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, 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: B38/B39/B40/B41 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B17/B20/B28A/B28B/B19/B26/B66
	Wireless LAN	802.11, a/b/g/n/ac/ax ready
	Bluetooth	BT5.1
	NFC	NFC, 13.56 MHz
	Audio	Speaker, 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
	Ambient light	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 modules	**spare battery**	3.8V/9000mAh
	Battery charging base	Input: 9V/3A; Output: 4.35V/1.5A
	Hand wraps	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	**module**	UMD980
	Signal (tracking frequency)	B1I, B2I, B3I, B1C, B2a, B2b
	number of channels	one thousand four hundred and eight

(Centimeter 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

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