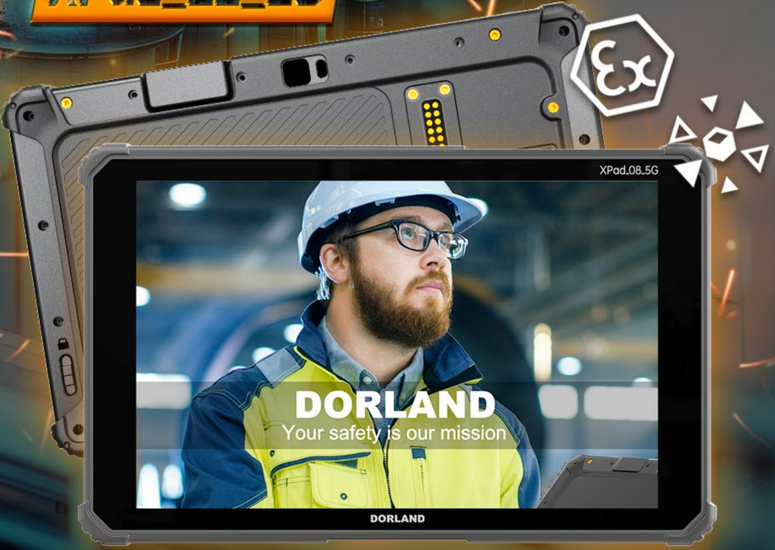
DORLAND®

Industrial Intrinsically Safe 5G Tablet Pad

XPad_08_5G



Ex-mark: Ex ib IIC T4 Gb / Ex ib IIIC T130°C Db

IP Grade: IP67

Product Advantages

Qualcomm processor
QCM6490

Android 13.0
Operating System

8GB+128GB/256GB
Support T card
expansion

7000mAh
explosion-proof battery
(Optional hot swapping)

8.0 inch
1280*800/1920*1200
450nits

Front Camera: 8MP
Rear Camera: 13MP

Bluetooth 5.2
Support
NFC / dual-band WIFI

GPS/GLONASS/BEIDOU
L1+L5 GPS
(Enternal GNSS ANT)

Your safety is our mission

1 Explosion protection range

Suitable for **Zone 1&2** of the explosive hazardous zone

2 Waterproof/Dustproof

Waterproof/Dustproof-IP67

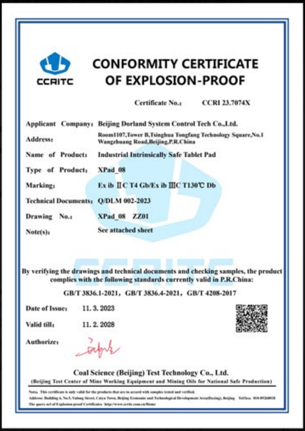
3 Shockproof

Withstand a drop test of 1.2m height to the floor

4 Anti-rolling

Withstand the rolling of 1.5 tons car

Certification authority



CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 23.7074X

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 Pad
Type of Product:	XPad_08
Marking:	Ex ib ⅡC T4 Gb/Ex ib ⅢC T130℃ Db
Technical Documents:	Q/DLM 002-2023
Drawing No.:	XPad_08 ZZ01
Note(s):	See attached sheet

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

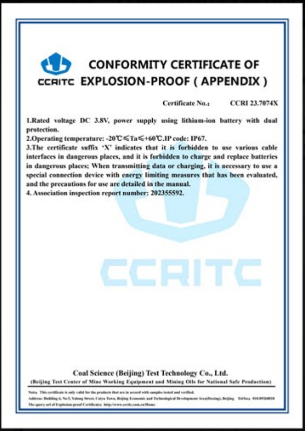
Date of Issue: 11. 3. 2023

Valid till: 11. 2. 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.



CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF (APPENDIX)

Certificate No.: CCRI 23.7074X

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: 202355592.

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.

Powerful processor

Qualcomm snapdragon
QCM6490

- **Processor**
  Qualcomm QCM6490
  1*A78 2.7GHz + 3*A78 2.4GHz + 4*A55 1.9GHz

- **Memory**
  8GB RAM + 128GB/256GB ROM
  Support T card expansion

5G Full Netcom

- **WLAN RADIO:**
  WIFI 802.11 a/b/g/n/ac/ax, 2.4GHz/5GHz 2x2 MIMO

- **WWAN RADIO:**
  EU
  5G-NR: N1/N3/N7/N8/N28/N38/N41/N77/N78/N79
  LTE-FDD: B1/B2/B3/B5/B7/B8/B20/B26/B28
  LTE-TDD: B38/B39/B40/B41
  TD-WCDMA: B34/B39
  WCDMA: B1/B3/B5/B8
  GSM: B2/B3/B5/B8
  US
  5G-NR: N2/N5/N12/N25/N30/N38/N41/N48/N66/N71/N77/N78
  LTE-FDD: B2/B4/B5/B7/B12/B13/B14/B17/B25/B29/B30/B46/B66/B71
  LTE-TDD: B38/B41/B42/B43/B48
  WCDMA: B2/B4/B5
  GSM: B2/B3/B5/B8

- **WPAN RADIO:**
  BT Bluetooth 5.2

High-definition Screen

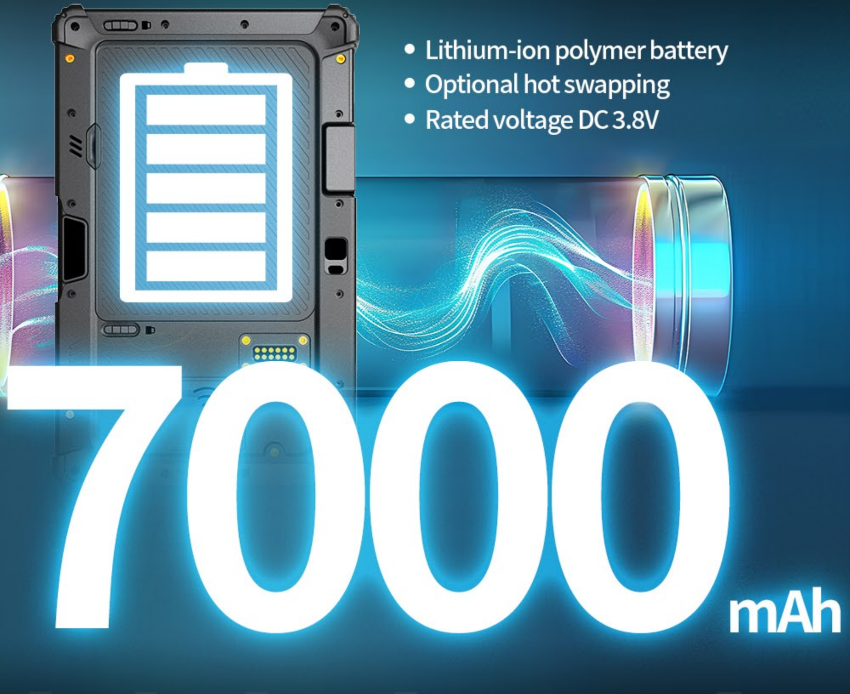
XPad.08.4G
DORLAND

- 8.0-inch touch screen
- 1280*800 / 1920*1200
- 450nits (visible to sunlight)

Front & rear dual camera

- Front camera： 8MP
- Rear camera： 13MP

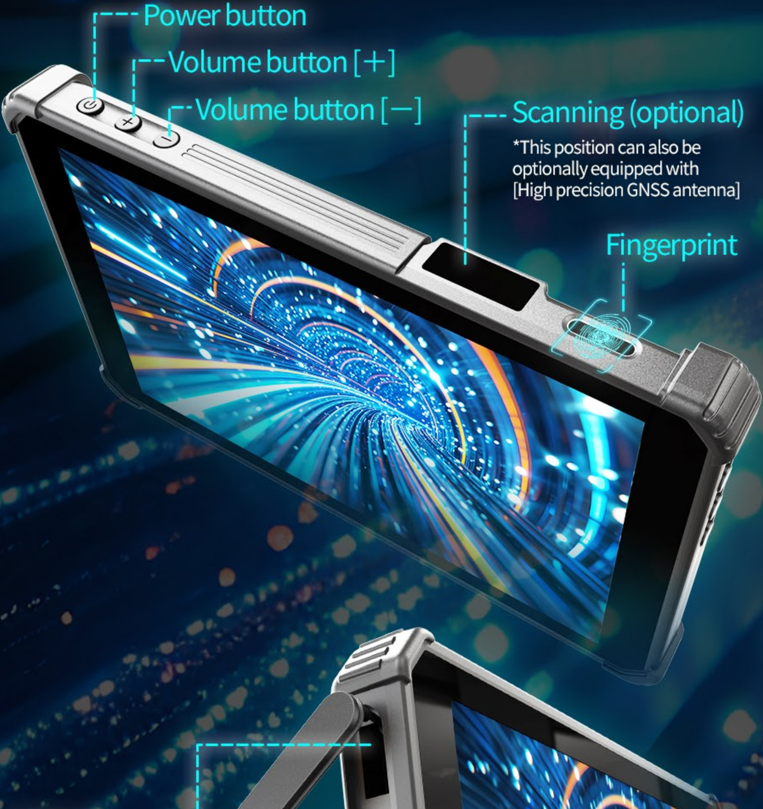
Explosion-proof Battery



- Lithium-ion polymer battery
- Optional hot swapping
- Rated voltage DC 3.8V

7000mAh

Multiple interfaces



Power button

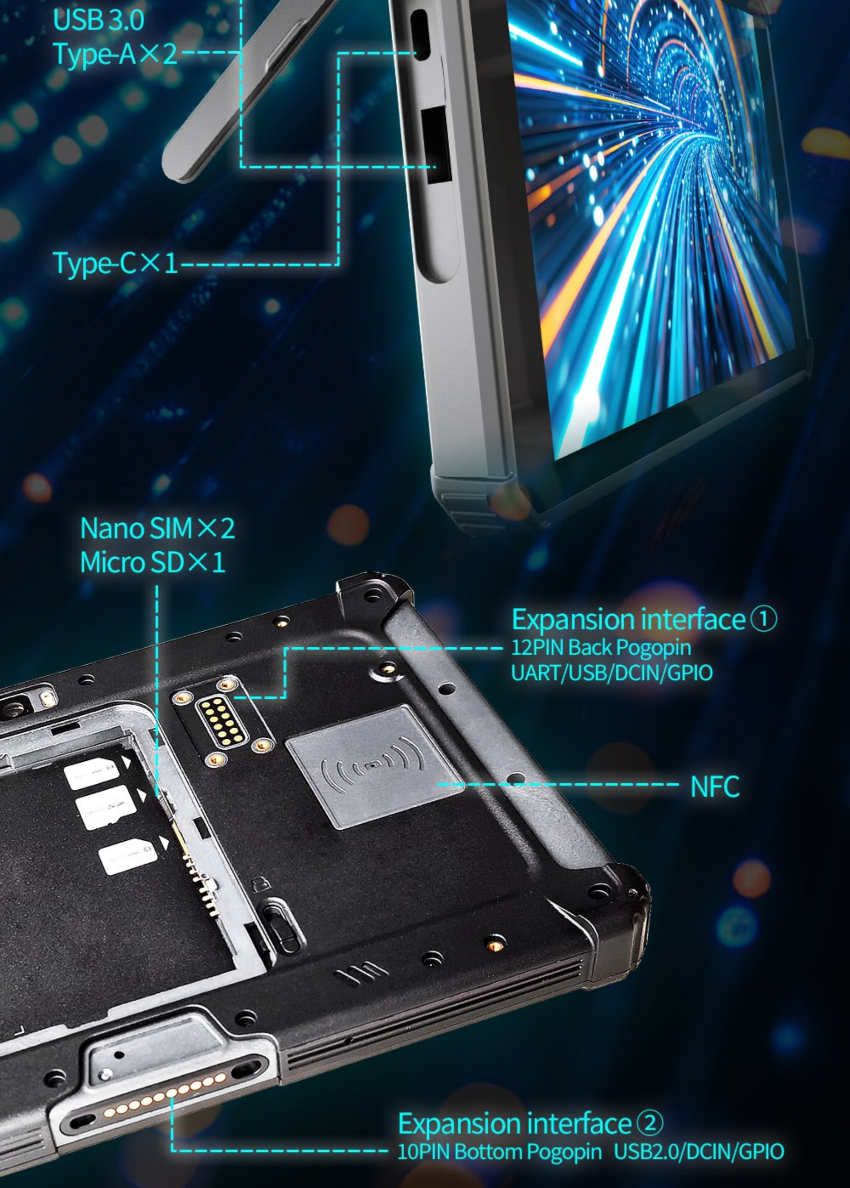
Volume button [+]

Volume button [−]

Scanning (optional)

*This position can also be optionally equipped with [High precision GNSS antenna]

Fingerprint



USB 3.0
Type-A×2

Type-C×1

Nano SIM×2
Micro SD×1

Expansion interface ①
12PIN Back Pogopin
UART/USB/DCIN/GPIO

NFC

Expansion interface ②
10PIN Bottom Pogopin USB2.0/DCIN/GPIO

Multiple position navigation

F1
F2
F3
F4
Hong Kong Island
Google

Optional high precision GNSS antenna (M8P/F9P)

Standard configuration with **Qualcomm GPS** receiver module

Multiple position navigation

- GPS
- GALILEO
- GLONASS
- BEIDOU

Operating System

XPad_08_5G
android 13.0

- Application opening speed
- Application operational efficiency
- Screen switching efficiency

Opening the Era of Digital Office

"Match a variety of intelligent management and control systems

ERP
LOADING

MES
OA
SCADA

suitable for hazardous explosion environment

It is especially suitable for hazardous explosion environment, such as petroleum, chemical, pharmaceutical, military, 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.

PETROLEUM
CHEMICAL
PHARMACEUTICAL
TANK FARM
OIL DEPOT
ETC

This product is widely used in scenarios such as [well monitoring and measurement], [patrol inspection of petroleum and petrochemical equipment],[secure mobility solution], [personnel location & safety management].

Well monitoring and measurement

Patrol inspection of petroleum and petrochemical equipment

VERIFICATION IN PROGRESS
10 DA
PREDI
MAINTENANCE NEEDED

Secure Mobility Solution

Personnel location Safety management

Hex-vision images

Specification Parameter

Product Certificate

Ex-mark:	Ex ib IIC T4 Gb / Ex ib IIIC T130°C Db
Certification No.:	CCRI 23.7074X
IP Grade:	IP67

Physical Parameters

Size: 209*130*13.9mm
Weight: 530g

Environmental Parameters

Drop Height: 1.2m drop
Working temperature: -20°C~60°C
Storage temperature: -30°C~70°C

Performance Parameters

Display screen: 8" 1280*800 / 1920*1200 450nits
Touch screen: Support
Touch pen: Support
Processor: Qualcomm QCM6490 1*A78 2.7GHz+3*A78 2.4GHz+4*A55 1.9GHz
System: Android 13.0
RAM: 8GB LPDDR4x/LPDDR5
ROM: 128GB/256GB UFS
Posterior camera: 13MP
Foresight: 8MP
Battery capacity: 7000mAh

Telecommunications

WIFI: 802.11 a/b/g/n/ac/ax, 2.4GHz/5GHz, 2x2 MIMO
Network:
EU:
5G-NR:N1/N3/N7/N8/N28/N38/N41/N77/N78/N79
LTE-FDD:B1/B2/B3/B5/B7/B8/B20/B26/B28
LTE-TDD:B38/B39/B40/B41
TD-WCDMA:B34/B39
WCDMA:B1/B3/B5/B8
US:
5G-NR:N2/N5/N12/N25/N30/N38/N41/N48/N66/N71/N77/N78
LTE-FDD:B2/B4/B5/B7/B12/B13/B14/B17/B25/B29/B30/B46/B66/B71
LTE-TDD:B38/B41/B42/B43/B48
WCDMA:B2/B4/B5
GSM:B2/B3/B5/B8
SIM card: Nano SIM*2
T card Support
Bluetooth: BT 5.2
USB: Type C*1, support Display Port USB2.0*2 Type A
NFC: Support

Hardware Parameters

RGB: Support
Fingerprint: Support
Gravity sensor: Support
Gyroscope: Support
Light sensor: Support
Compass: Support
Shock: Support
Microphone: Support
Speaker: Support

Key & Interface

GPS: GPS/GLONASS/BEIDOU, L1+L5 GPS (Enternal GNSS ANT)
High-precision antenna: M8P/F9P
Scanning: Support
Expand Interface: 12PIN Back Pogopin, UART/USB/DCIN/GPIO
10PIN Bottom Pogopin, USB2.0/DCIN/GPIO
Physical buttons: Power, Volume up/down, F1/2/3/4

Standard accessories

USB data cable, charger, manual, explosion proof certificate, etc.