DORLAND Industrial Intrinsically Safe Tablet PC/Pad Ex Tablet09 Plus

DORLAND System Control Tech Co., Ltd. has recently launched the intrinsically safe intelligent industrial explosion-proof PAD Ex Tablet 09 Plus, which adopts advanced technology, intrinsically safe circuit design, domineering appearance, and sturdy body. This PAD adopts an 11 inch touch screen design and is equipped with a rear triple camera 48MP+20MP+5MP pixel camera. Its waterproof and dustproof performance meets the international IP68 standard.

In addition, we have also equipped various outdoor construction and pipeline inspection functions such as GPS/Beidou/Glonass/Galileo within the PAD, which can be used in conjunction with OA office systems, inspection positioning systems, data acquisition systems, 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.

Ex-marking: Ex ib IIC T4 Gb / Ex ib IIIC T130℃ Db

Certificate No.: CCRI 23.2102X

IP Grade: IP68

OS: Android 13.0

CPU: MTK G99 （MT6789）Octa Cores，2*2.2 GHz﹣Cortex-A76 + 6*2.0 GHz﹣Cortex-A55

Front Camera: 32MP

Rear camera: 48MP (main camera)+20MP (night vision)+5MP (macro lens)

Screen: 11 inches, FHD， Resolution 1200 * 1920

Memory: 6GB RAM (RAM+additional 6GB expansion)+256GB ROM

TF card: Supports up to 2TB expansion

Battery: 20000mAh/3.85V

Frequency band: GSM: B2/B3/B5/B8

CMDA：BC0/BC1/BC10

WCDMA:B1/B2/B4/B5/B6/B8/B19/

FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28A/B28B/B66

TDD:B34/B38/B39/B40/B41

EDGE/GPRS: Support

GPS: GPS+Glonass+Beidou+Galileo

Wi-Fi: 802.11 a/b/g/n/ac（2.4G+5G)， Design compatible with ax (WIFI6)

Bluetooth: BT5.1

NFC: Support

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Certificate parameters		Description
Certificate Parameters	Ex-marking	Ex ib IIC T4 Gb / Ex ib IIIC T130℃ Db
	Certificate No.	CCRI 23.2102X
	IP Grade	IP68
Product overview		**Description**
Product overview	Dimensions (mm)	26.7*17.9*15mm
	Weight (g)	985g
	OS	Android 13.0
Hardware configuration		**Description**
CPU & GPU	CPU model	MTK G99 （MT6789）
	frequency	2.2GHz
	Core Core Core	Octa Cores
	Processor architecture	2*2.2 GHz – Cortex-A76 + 6*2.0 GHz – Cortex-A55
	Processor technology	6nm
	GPU model	Mali-G57 MC2
Memory	memory	6GB RAM (RAM+additional 6GB expansion)+256GB ROM
	T-card expansion	2TB TF card
Screen	Size, technology	11 inch FHD
	resolution	1200*1920
	refresh rate	90Hz、60Hz
	Aspect Ratio	14.4 : 9
Front 32MP		
Front camera	Sensor	SAMSUNG-S5KGD1
	Viewing angle	78°
Rear 48MP+20MP+5MP		
Rear main camera	Pixel	48MP
	Sensor	SONY-IMX582
	Viewing angle	79.4°
	Flashlight	Support
Night vision lens	Pixel	20MP
	Sensor	SONY-IMX350
	Viewing angle	78.5°
	Flashlight	Infrared fill light
Macro lens	Pixel	5MP
	Sensor	SAMSUNG-S5K5E8
	Viewing angle	84°
	Flashlight	N/A
Battery	Capacity	20000mAh
	Voltage	3.85V

	Call duration	112 hours
	Standby time	2000 hours (with SIM card)
	Standby time	2300 hours (without SIM card)
	Reverse charging	Support
Dual SIM & Network	**Dual card insertion mode**	Nano+Nano/Nano+TF
	Network standard	GSM/WCDMA/CDMA/FDD/TDD
	Frequency band	GSM:B2/B3/B5/B8 CMDA：BC0/BC1/BC10 WCDMA:B1/B2/B4/B5/B6/B8/B19/ FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28A/B28B/B66 TDD:B34/B38/B39/B40/B41
	EDGE/GPRS	Support
Function	**GPS**	GPS+Glonass+Beidou+Galileo
	FM	Support
	Wi-Fi	802.11 a/b/g/n/ac（2.4G+5G)， Design compatible with ax (WIFI6)
	Bluetooth	BT5.1
	Gravity sensor	Support
	Light sensing	Support
	compass	Support
	Gyroscope	Support
	NFC	Support
	OTG	Support
	Electricity meter	Support
Button	**Power button**	Support
	Volume button	Support
Interface	**Headphone jack**	Type-C
	Charging port	Type-C
	High definition multimedia interface	N/A, Design compatibility

CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 23.2102X

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/Pad
Type of Product:	Ex Tablet09
Marking:	Ex ib ⅡC T4 Gb/Ex ib ⅢC T130℃ Db
Technical Documents:	Q/DLM 005-2022
Drawing No.:	Ex Tablet09 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: 2. 27. 2023

Valid till: 2. 26. 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

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF (APPENDIX)

CCRITC

Certificate No.: CCRI 23.2102X

1.Rated voltage DC 3.85V, power supply using lithium-ion battery with dual protection.

2.Operating temperature: -20℃≤Ta≤+60℃.IP code: IP68@1m，1h.

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: 202355061.

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