DORLAND Industrial Intrinsically Safe Tablet Pad Ex Tablet09

DORLAND System Control Tech Co., Ltd. recently launched Ex Tablet 09, intrinsically safe intelligent industrial-grade explosion-proof tablet PAD. It adopts advanced technology and intrinsically safe circuit design, with a strong appearance and strong body. This product adopts 10.36 inch touch screen design, 10000mAh super big battery, equipped with front 16 MP + rear 20 MP cameras, its waterproof and dust-proof performance reaches the international IP68 standard.

In addition, we also configured GPS / Beidou / Galileo / GLONASS, altitude measurement, compass and other functions suitable for outdoor construction and pipeline inspection, which can cooperate with OA office system, patrol positioning system and data acquisition system And other applications. It is especially suitable for hazardous explosion environment, such as petroleum, chemical, pharmaceutical, 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.

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

Certificate NO.: CCRI 23.2102X

IP Grade: IP68

OS: Android 13.0

Screen: 10.36 inch IPS screen 1200*1920

Memory: 8GB RAM+128GB ROM, uMCP（RAM expanded 8+3,8+5,8+7 Three speed over clocking）

CPU: MT8781 (MT6789 (NEXT-G)--G99) 8 core 2x 2.2Ghz Cortex A76&6x 2.0Ghz Cortex A55

Cameras: Front 16 MP + Rear 20 MP, with flash function

Battery: 9000mAh Lithium-ion polymer battery

Frequency band: GSM：B2/B3/B5/B8

WCDMA:B1/2/4/5/8

FDD：B1/2/3/4/5/7/8/12/17/18/19/20/25/26/28AB/66/71

TDD：B34/38/39/40/41

EDGE/GPRS: SUPPORT

GPS: Support（Beidou,Galileo,Glonass,GPS） Four out of four

Bluetooth: BT 5.2

WIFI: Support WiFi6

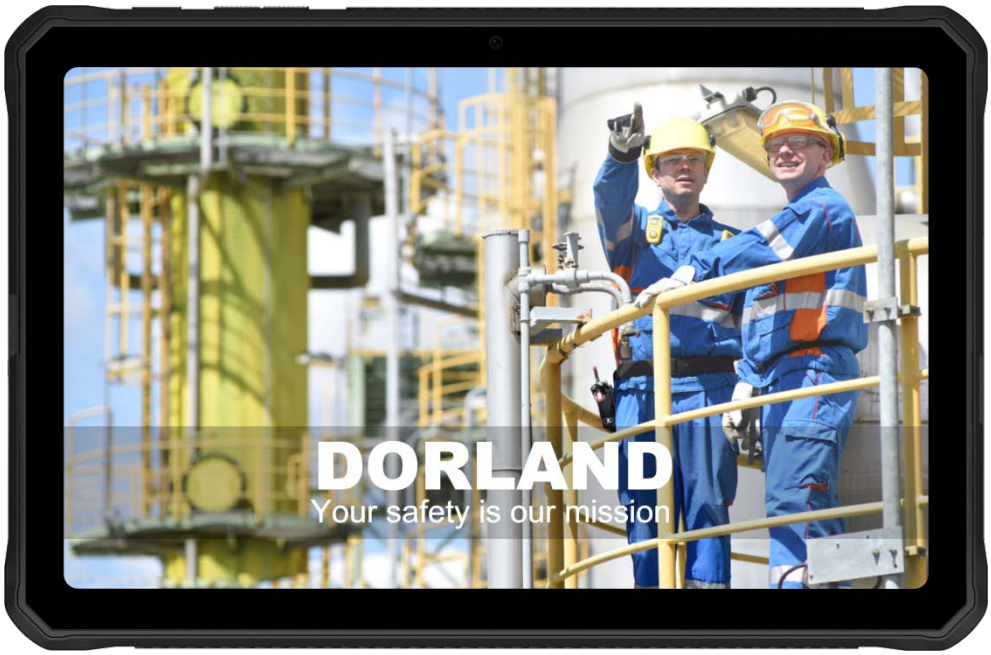
Dimension: 258*169*13.5mm

Weight: Single head 1030g / total weight of finished product 1826g

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Certificate parameters		Description
Ex-marking		Ex ib IIC T4 Gb / Ex ibD 21 T130℃
Certificate No.		CCRI 23.2102X
IP Grade		IP68
Items		**Description**
Product Overview	Dimension (mm)	258*169*13.5mm
	Weight (g)	Single head 1030g / total weight of finished product 1826g
	OS	Android 13
Configuration		**Description**
CPU	CPU	MT8781 (MT6789（NEXT-G）--G99)
	Feature	8 core, 2* 2.2Ghz Cortex A76 + 6* 2.0Ghz Cortex A55
	Framework	ARM Cortex A76/Cortex A55
GPU	Technology	6nm
	GPU model	ARM Mali G57 MC2 2M Pixels per MHz
Video	Video encode	FHD+(21:9)@120fps MPEG-4 : 720 x 480@30 fps H.263 : 640 x 480@30 fps H.264/265 : 2K 30fps
	Video decode	MPEG-4 : 1080p@60 fps/60 Mbps H.263 : 1080p@60 fps/60 Mbps H.264/265/VP9 : 2K@30 fps/60Mbps
Network	Network	GSM/WCDMA/CDMA/FDD/TDD
	Frequency	GSM：B2/B3/B5/B8 WCDMA:B1/2/4/5/8 FDD：B1/2/3/4/5/7/8/12/17/18/19/20/25/26/28AB/66/71 TDD：B34/38/39/40/41
	EDGE/GPRS	SUPPORT
Storage	memory	8GB RAM+128GB ROM, uMCP（RAM expanded 8 +3,8+5,8+7 Three speed overclocking）
	SIM card type	SUPPORT, Nano Sim card+Nano Sim card+T card (three choose two)
	Memory card type	T-flash card
	Expanded memory	Up to 2TB
Battery	Capacity	10000mAh
	Voltage	3.85V
Camera	Front Camera 16MP	
	Sensor	Sumsung S5K3P3sp
	Sensing area	1/3.1inch 5P
	Pixel area	4632*3480 16MP
	Aperture	F/2.0±5%
	Optical zoom	N/A
	Field of view angle	75.5°(Diag)

	Focus mode	FF
	Flash led	N/A
	Software function	Video, Picture, EIS, face beauty, Potrait, water mark, mirror, Anti flicker
	Rear Camera 20MP	
	Sensor	SONY IMX350
	Sensing area	1/2.7 inch 5P
	Pixel area	20M 5184*3880
	Aperture	*F/2.0±5%*
	Optical zoom	N/A
	Field of view angle	78.5°(Diag)
	Focus mode	AF
	Flash led	Support
	Software function	HDR, document, Video, Picture, EIS, face beauty, Potrait, water mark, Anti flicker
Display	**Size & technology**	10.36inch IPS
	Screen color	16.7 million colors
	Type	in-cell
	resolving power	1200*2000 2K
	Pixel density	231PPI
	Screen aspect ratio	3:5
	Screen-to-body ratio	84.00%
	Brightness	300cd/m2/(TYP)
	Screen contrast	1000:1(TYP)
Touch Panel	**Panel technology**	Multi touch
	IC	FT8201
	Sensor technology	Capacitive touch, Incell architecture
	Material	Corning 4th Generation
	Fitting method	Full fit
Transmission function	**navigation**	Support （Beidou,Galileo,Glonass,GPS） Four out of four
	WIFI	Support WiFi6
	Bluetooth	Support BT5.2
	FM	Support
	OTG	Support (Supports reverse charging)
	NFC	N/A
Sensor	**Hall switch**	Support
	Infrared remote control	N/A
	HotKnot	N/A
	G-sensor	Support
	Proximity sensor	Support
	Ambient light senor	Support
	Compass (magnetic)	Support

	Geomagnetism	Support
	Gyroscope	Support
Hardware features	**Wireless charge**	N/A
	Hard coulometer	N/A
	Rapid Charge	Support 18W
	Sound Amplifier	Smart PA AW87359
Physical buttons	**Power button**	Support
	Volume button	Support
	Custom key function	N/A
Virtual buttons	**Home button home**	Support
	Menu button	Support
	Return button	Support
Electric Acoustic Devices	**Speaker**	1217 BOX AAC, four speaker, stereo
	Motor	1027 flat motor
	Receiver	Horn 2-in-1
	Mic	Soldering microphone, dual mic noise reduction
	Notify light	Support
	Buttun LED LED	N/A
Port	**Headphone port**	3.5mm earphones
	Charger interface	Type-c
	Plug in interface	N/A
Housing	**Housing structure**	Two shot injection mold injection
	Housing material	PC+10% fiber+TUP90 °+aluminum alloy (hot melt)
	Housing color	Silver, black
Software Function		**Description**
System Function	**System navigation**	Gesture navigation, "three button" navigation
	Smart gesture	Three finger screenshot, double-click to wake up, unlock
	Air gesture	N/A
	Communication somatosensory	N/A
	System somatosensory	N/A
	FOTA upgrade OTA	Support
	Supported languages	English, Spanish, Portuguese (Brazil), Portuguese (Portugal), Italian, German, French, Russian, Arabic, Malay, Thai, Greek, Ukrainian, Croatian, Czech, Simplified Chinese, Traditional Chinese.（It has updated 48 languages）
Entertainment Features	**Video playback**	.avi.mp4, .3gp, .3g2, .3gpp, .3gpp2, .m4v.flv, .f4v.webm.wmv, .asf.mov, .qt .ts, .m2ts, .mts.mkv
	Video produce	Highest support @30fps video shooting
	Audioplayer	Support MP3, M4A, AAC, MKA, AMR, WMA/RA
	Graphic format	Support JPEG, BMP, GIF,PNG etc.

	Game	Support
	Applications	Support
Other Software	**Market**	Support
	Share	Support
	Software Toolbox	Compass, SoundMeter, Pic Hanging, Gradienter, HeightMeasure, Magnifier, Protractor, Plumb Bob
	Privacy protection, visitor mode	N/A

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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The query url of Explosion-proof Certificate：http://www.ccritc.com.cn/Home