Dorland System Control Tech Co., Ltd.
Room1107, Tower B, Tsinghua Tongfang Technology Square, No.1 Wangzhuang Road, Haidian District, Beijing, P.R.China
Tel: +86-10-62198496
Tel: +86-10-62164681
www.dorland-tech.com
tian@dorland.com.cn

DORLAND Intrinsically Safe Intelligent Industrial Grade Explosion-proof Smart Watch

Watch@ EX02 Plus

Dorland System Control Tech Co., Ltd. recently introduced the intrinsically safe intelligent industrial grade explosion-proof smart watch _Watch@ EX02 Plus, intrinsically safe circuit design, domineering appearance, and solid body. This watch is the display is 1.508", with touch function, with dual camera, front camera 0.3M pixels, side camera 2M pixels (maximum support 5M pixels), magnetic charging, heart rate detection, battery is 1260 mAh , Android 10. The waterproof and dustproof performance of this watch meets the international IP67 standard. The explosion-proof certificate is Ex ib IIC T4 Gb / Ex ib IIIC T130 ℃ Db dust and gas double explosion-proof certification.

In addition, the rear sensor of this watch can accurately recognize and analyze multiple exercise modes, including heart rate detection, step counting, and blood oxygen; We have also equipped the watch with various functions suitable for outdoor construction, pipeline inspection, etc., such as GPS positioning, which can be used in conjunction with OA office systems, inspection positioning systems, data collection 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.



Dorland System Control Tech Co., Ltd.
Room1107, Tower B, Tsinghua Tongfang Technology Square, No.1 Wangzhuang Road, Haidian District, Beijing, P.R.China
Tel: +86-10-62198496
Tel: +86-10-62164681
www.dorland-tech.com
tian@dorland.com.cn

DORLAND
www.dorland-tech.com













Conformity Certificate of Explosion-proof	
Ex-marking	Ex ib IIC T4 Gb / Ex ib IIIC T130℃ Db
Certificate No.	CCRI 24.7755X
IP Grade	IP67
Hardware Parameter	
CPU	MTK6762 TSMC 12nm FinFET production process eight core ARM Cortex-A53 CPU 2.0GHz
GPU	IMG PowerVR GE8320 650MHz
DDR+storage	LPDDR4x, 4+64, 4+128, 6+128
SIM Card	Nano SIM
Cellular network	GSM: B2/B3/B5/B8
	WCDMA: B1/B2/B5/B8
	LTE: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28/B34/B38/B39/B40/B41
Screen	1.508 inch 466 * 466 resolution high-definition AMOLED screen
Camera	Front camera 0.3M pixels, side camera 2M pixels (maximum support 5M pixels)
Bluetooth	BT5.0
WIFI	Wi-Fi 5 (a/b/g/n/ac)
GPS	Beidou, Galileo, GLONASS, GPS, QZSS
heart rate	PAH8009
Step counting	support
data interface	POGO PIN + Magnetic suction line
battery	1260mAh, 3.85V
Standby time	150H(Laboratory data, idle standby mode without card insertion)
Software function	
Operating system	Android 10
Menu bar	Address book, phone, information, settings, browser, downloads, calendar, clock, camera, gallery, music, recorder, file management, heart rate monitoring, exercise, weather, voice search, Play store, maps, APP market, system optimization, etc
Settings	Sound, Display, Main Menu Style, Connection, Gestures, Power saving Mode, Language Input Method, Date and Time, Reset Device, Uninstall App, About Watch
Health	Heart rate, step count, blood oxygen
Connection	Bluetooth, WLAN, WLAN hotspot, airplane mode, GPS, mobile network
Supported languages	Indonesia, German, English, Spain, French, Italy, Poland, Portugal (Brazil), Portugal, Vietnam, Türkiye, Russian, Hebrew, Arab, Persian, Hindi, Bengal, Thai, Myanmar, Korean, Chinese (Simplified), Chinese (Traditional), Japanese, etc
Fota	Support FOTA online upgrade
Dial	Built in multiple dials, supports downloading
AOD breath screen display	Supports

CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 24.7755X

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:	Intrinsically safe intelligent industrial grade explosion-proof smart watch
Type of Product:	Watch@ EX02
Marking:	Ex ib ⅡC T4 Gb/Ex ib ⅢC T130℃ Db
Technical Documents:	Q/DLM 002-2024
Drawing No.:	Watch@ EX02 ZZ01、Watch@ EX02 BZ01
Note(s):	See attached page for details

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. 12. 2024

Valid till: 11. 11. 2029

Authorize:

CCRI(Beijing)TestingTechnologyCo.,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

CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF (APPENDIX)

Certificate No.: CCRI 24.7755X

1.Rated voltage DC 3.85V, powered by rechargeable lithium-ion battery packs with dual protection.

2.Operating environment temperature: -20℃≤Ta≤+60℃.IP code:IP67.

3.The suffix "X" indicates that the use of various cable interfaces in hazardous areas is prohibited, and charging and replacing batteries in hazardous areas is prohibited; When conducting data transmission or charging, it is necessary to use specialized connection devices with energy limiting measures that have been evaluated. Please refer to the instructions for usage precautions.

4.Correlation test report number: 2024551005.

CCRITC

CCRI(Beijing)TestingTechnologyCo.,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