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Dorland Industrial Intrinsically Safe Handheld Terminal

Ex PDA 500i

Developed by Beijing Dorland System Control Technology Co., LTD., the industrial intrinsically safe EX handheld terminal Ex PDA500i adopted advanced technology with intrinsically safe circuit. It can be flexible matching 1D / 2D bar code scanning, RFID, fingerprint identification, ID card identification and other functions, the full realization of the handheld terminal highly integrated and freely optional features. In addition, bar code, UHF and HF can be configured at the same time. Especially Ex PDA500i is used in dangerous environment of the explosion, such as petroleum, chemical, pharmaceutical, oil depot, tank farm as well as the dangerous sites with combustible and explosive gas. It is convenient for users to dispatch communicate timely.

Explosive-proof grade：Ex ib IIC T4 Gb
Certification No: CCRI 17.2076
Protection grade: IP65



Software OS: android7.0
Touch Lens: 5.0” Capacitive Touch screen
Frequency: TD-LTE B38/39/40
FDD-LTE B1/2/3/4/7
WCDMA 850/1900/2100MHZ
GSM 850/900/1800/1900MHz
SIM card:Dual SIM
LCD: 5.0" QHD TFT IPS
Memory: 16G ROM+2GB RAM
Synchronization with Outlook:support Micro-SD card, up to 32G
CPU Platform: (Eight-Core, Freq. 1.3GHZ)
Main camera:8MP
Battery capacity：6000mAh
Talking time:10 hours
Standby time: Turn off wireless communication and other functions about 2 weeks standby
Size: 173*85*28mm
Weight:380g

Barcode collection (optional):

One-dimensional laser scanning module: Honeywell N431X

Type: Code39、Code93、Code128、Code bar、EAN-13、EAN-8、UPC-A、UPC-E、ITF14、UCC/ENA-128、ITF25、Matrix25、ENA-128、ISBN etc.

Two-dimensional laser scanning module: NLS — EM2096/NLS — EM3296/NLS — EM3396/Honeywell-3601/Honeywell-6603

Type: PDF417、MicroPDF417、Composite、RSS、TLC-39、Datamatrix、QR code、Micro QR code、Aztec、MaxiCode、Postal Codes、US PostNet、US Planet、UK Postal、Australian Postal、Japan Postal、Dutch Postal etc.

RFID(optional):

UHF

Frequency: 915MHz、865MHz（865～868MHZ 或 902～928MHz）

Agreement: EPC C1 GEN2/ISO18000-6C

Identify distance: 1.5-3 m distance (related to tag and antenna) / 3-4 m distance (related to tag and antenna)

HF:

Frequency: 13.56MHz

Agreement: ISO1443A、ISO15693

Identify distance: 0-7 cm distance (related to tag and antenna)

LF:125/134.2K

PSAM: Support two PSAM cards

High frequency (CPU card): support CPU card read and write, need to use with the PSAM

Battery 2.45G (custom): distance 200m, 200 labels can be read all at once

Fingerprint recognition (optional)

Module functions: fingerprint input, image processing, fingerprint comparison, fingerprint removal and so on.

Sensor: TCS1 biological fingerprint

Sensor Type: Capacitance Inductive

Image size: 256 * 360pixel

Respectively: 500DPI

Storage capacity: 1000 fingerprints

ID card identification (optional)

Built-in module: the Ministry of Public Security second-generation security security module

Related features: acquisition and identification of second-generation ID card, for identification

Other optional modules

433M (custom): reading distance of more than 200m, adjustable distance

ZIGBEE (custom): for wireless networking data collection

Power Infrared (Custom): Supports power infrared function

Bluetooth: support BT4.0LE

WiFi: 2.4G/5G，EEE 802.11a/b/g/n/ac

Standard accessories: USB data cable, charging head, DC charging cable

ExPDA500i--Power Socket



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CNAS 中国认可 检测 TESTING CNAS L0738

CCRITC

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 17.2076

Company:	Beijing Dorland System Control Tech Co.,Ltd.
Address:	Room 11B5,Huajie Plaza Dazhongsi Street,Haidian District, Beijing 100098,P.R.China
Name of Product:	Industrial Intrinsically Safe Handheld Terminal
Type of Product:	ExPDA500i
Marking:	Ex ib IIC T4 Gb
Technical Documents:	Q/DLM 003-2017
Drawing No.:	ExPDA500i-bz-01
Note(s):	1.Power supply by dual protection rechargeable lithium ion battery with rated voltage 3.7VDC, battery type: Ex Battery 010，6000mAh; 2.IP code: IP65.

By verifying the drawings and technical documents and checking samples,the product complies with the following standars currently valid in P.R.China:

GB 3836.1-2010 , GB 3836.4-2010 , GB 4208-2008

Date of Issue: 7.14.2017

Valid till: 7.13.2022

Authorize:

China Coal Research Institute Testing Center

(The test center of the national safety production of mining equipment and mining oil in Beijing)

Note: This certificate is only valid for the products that are in accord with samples tested and verified.
Center Add: No.5 Qingniangou Road, Hepingli, Beijing, 100013 Tel/fax: 010-84262992
The query url of Explosion-proof Certificate: http://www.ccrite.com.cn/Home