



IDWIN
TOOLS

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IDWIN SCANNER

RFID HANDHELD SCANNER -
IDWIN-SCR-8-DIGIT

PRODUCTSPECIFICATION

engineered in austria 

IDWIN HANDHELD SCANNER

APPEARANCE AND STRUCTURE OF THE PRODUCT

PRODUCT DESCRIPTION

The IDWIN® handheld scanner is a high performance UHF intelligent handheld terminal. With UHF read/write function. With excellent sensitivity, it can collect data accurately and quickly. The device uses the Android operating system, is equipped with a high processor and has a long battery life. It is widely used in various scenarios such as asset management, material inventory, highway toll collection, product positioning and so on.

PRODUCT FEATURES

- Fast quad-core processor, plenty of memory. The device is powered by Android 10.0, an octa-core processor with four large Cortex-A73 cores and four small Cortex-A73 cores and four small Cortex-A53 cores, as well as 2+16G (standard) and 4+64G (optional) RAM combinations for smoother operation and more stable performance.
- Powerful Fast Charging & Wifi Roaming Capabilities. The device is equipped with a 9000mAh Li-Polymer battery for long battery life. It also supports fast charging for shorter charging time. The powerful WiFi roaming feature enables seamless switching between WiFi hotspots for uninterrupted network connectivity.
- Excellent RFID read/write function, multi-tag long-range reading. The device adopts omnidirectional ceramic antenna with professional scanning handle and shield, supporting UHF single tag and multi-tag reading with longer distance, efficiency, more stable performance and effective reading distance up to 20m.



TECHNICAL PARAMETERS

BASIC PARAMETERS

TOTAL MACHINE SIZE	166×79×31±2mm (excluding shields and handles)
WEIGHT OF COMPLETE MACHINE	650g
DISPLAY SCREEN	5.5-inch IPS HD screen with 720*1440 resolution
TOUCH SCREEN	Corning Gorilla III Industrial Grade Multi-Touch Capacitive Screen
EXPANSION SLOT	1 sim card slot (MUP-C785), 1 TF card slot 1 PSAM card slot (MUP-C785)
COMMUNICATION INTERFACE	1 Type-c connector
INDICATOR LIGHT	Network Indicator, Charging Indicator
KEYS	Scanning keys, function keys
ELECTRIC HAND TORCH	Low power LED light illumination for emergency use
NAVIGATION SYSTEM	GPS, Beidou navigation optional Error range ±5m

TECHNICAL PARAMETERS

PERFORMANCE PARAMETERS	
CPU	MT 6771 octa-core 64-bit processor Quad-core A73 + Quad-core A53 at 2.0GHz
MEMORY CAPACITY	RAM: 2GB ROM: 16GB (standard) RAM: 4GB ROM: 64GB (optional)
EXTENDED MEMORY	256GB T-card support
OPERATING SYSTEM	Android 10.0
DATA COMMUNICATION	4G: TD-LTE Band 38/39/40/41 FDD-LTE Band 1,2,3,4,7,17,20 3G:WCDMA (850/1900/2100MHz) 2G:GSM/GPRS/Edge (850/900/1800/1900MHz)
WIFI	2.4G/5G dual band, compliant with IEEE802.11a/b/g/ n/ ac WiFi roaming support (seamless switching)
BLUETOOTH	Conform Bluetooth 4.2
BATTERY PERFORMANCE	
BATTERY CAPACITY	9000 mAh lithium polymer battery, voltage 3.8 V
STANDBY TIME	360 hours standby with wireless communication switched off
CHARGING TIME	Less than 2 hours (supports 5V2A/PE2.0 16W fast charge)
WORKING HOURS	More than 14 hours (one full charge)
WORKING ENVIRONMENT	
OPERATING TEMPERATURE	-20°C ~ 50°C
STORAGE TEMPERATURE	-20°C ~ 70°C
HUMIDITY LEVEL	Relative humidity: 5-95% non-condensing
PROTECTION LEVEL	IP65
SURVEILLANCE CAMERA	
FRONT CAMERA	5-megapixel camera
REAR CAMERA	Optional 13-megapixel camera with flash, autofocus
NFC FUNCTION (OPTIONAL)	
OPERATING FREQUENCY	13.56MHz
PROTOCOL STANDARD	ISO14443A/B ISO15693, NFC-IP1,NFC-IP2, etc.
LABELING STANDARD	M1 cards (S50, S70), CPU cards, NFC tags, etc.
READ/WRITE DISTANCE	5-10cm

TECHNICAL PARAMETERS

BARCODE CAPTURE (OPTIONAL)	
TWO-DIMENSIONAL BARCODE	
2D SCANNING ENGINE	Zebra SE4710/ ME5600/others
SUPPORT FOR 2D BARCODE TYPES	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. Postal, etc
RFID (OPTIONAL)	
ULTRAHIGH FREQUENCY	
SUPPORT FREQUENCY	915MHz, 865MHz (865-868MHz or 902-928MHz)
SUPPORTED PROTOCOLS	For EPC C1 GEN2 ISO18000-6C protocols
READ DISTANCE	Optional 0-20 meter distance / tag and environment dependent
HIGH FREQUENCY	
SUPPORT FREQUENCY	13.56MHz
SUPPORTED PROTOCOLS	For ISO15693, ISO14443 dual protocols
READ DISTANCE	0-7 cm (related to labeling and environment)
LOW FREQUENCY	125K/134.2K animal ear tags
HF (CPU CARD)	Supports reading and writing of CPU cards Used in conjunction with PSAM
ACTIVE 2.45G (CUSTOMIZED)	Distance 200m 200 tags can be read at once
ACCESSORIES	
Charging head 1pc, Type-c charging cable 1pc	

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identity



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