iDTRONIC

UHF RFID Scanner

ID SCAN H3

PRODUCT DESCRIPTION

The ID SCAN H3 UHF RFID Scanner is a versatile and durable device, designed to combine powerful UHF RFID performance with advanced 1D/2D barcode scanning. With its intelligent dual-function capabilities, it ensures fast and accurate data collection for a wide range of industrial, retail, and public service applications.

The scanner supports multiple communication interfaces - USB, 2.4G wireless, and Bluetooth - providing flexible connectivity and plug-and-play integration without the need for drivers. With a wireless transmission range of up to 30 meters, it adapts seamlessly to various workflows.

Thanks to its multi-mode scanning options (UHF only, barcode only, or combined UHF + barcode), the ID SCAN H3 excels at handling diverse identification tasks. It is equipped with a high-sensitivity CMOS image sensor, adaptive infrared, and LED fill-light technology, ensuring accurate reading of low-quality barcodes and electronic tags. Additionally, its internal memory supports offline data storage for uninterrupted operation.

APPLICATIONS

· **Logistics Applications**
· **Asset Tracking**
· **Healthcare**
· **Retail**

FEATURES

· **UHF RFID + 1D/2D Barcode Scanner**
· **2600 mAh battery for up to 12 h use / 240 h standby**
· **2.5 m drop resistant, IP54 dust & splash protection**
· **ABS + PC Case | Anti-fall**
· **Built-in memory enables offline data storage**
· **Compatible with Windows/ Linux/ Mac**

RFID OPTIONS

· **UHF (EPC C1 GEN2 / ISO18000-63)**

iDTRONIC

TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

Frequency	902 - 928 MHz (US) 865 - 868 MHz (EU)
Read range	1m
Reading speed	0.1s
Scanning Rate	120 frames per second
Operating Time	Scanning Code: 12 hours RFID: 4 hours Standy: up to 240 hours
Internal Storage	16 MB
Extended Memory	0 - 2.5 MB
Resolution	1280 x 800
Battery capacity	2600mAh
Interfaces	USB / 2.4G / Bluetooth
Sensor	1 million global CMOS

MECHANICAL SPECIFICATIONS

Dimension	170 x 103 x 73mm
Material	ABS + PC
Weight	278g (without base wire)
Drop Resistance	Up to 2.5m on concrete

ENVIROMENTAL SPECIFICATIONS

Operating Temperature	0°C ~ +50°C
Storage Temperature	-40°C ~ +60°C
Protection Class	IP54
Working Humidity	5% - 95% (no condensation)

1/2D BARCODE IMAGER

1D Barcode	EAN, UPC, CODE 39, CODE 93, CODE 128, UCC/EAN 128, CODABAR, INTERLEAVED 2 OF 5, ITF-6, ITF-14, ISBN, ISSN, MSI-PLESSEY GSI DATABAR, CODE 11, 1 N DUSTRIAL 25, GSI COMPOSITE STANDARD 25, PLESSEY, MATRIX 2 OF 5
2D Barcode	QR CODE, DATA MATRIX, PDF417, AZTEC, MICRO QR, MICRO PDF417, QR CODE, DATA MATRIX, PDF417, AZTEC, MICRO QR, MICRO PDF417 MAXI CODE, han letter codes

SUPPORTED STANDARDS TAGS

Standard ISO 18000-63 (EPC Class 1 Generation 2)
E.g: Alien Higgs, Impinj Monza, NXP UCODE, etc.

SCOPE OF DELIVERY

1x Scanner
1x USB-Cable
1x Cradle (Optional)

PRODUCT IMAGES
(VERSION WITH CRADLE OPTIONAL)

ORDER CODES

DESCIPTION	ORDER CODE
ID SCAN H3	R-HH-UHF-IDSCAN-H3
ID SCAN H3 + Desktop Cradle	R-HH-UHF-IDSCAN-H3-DC
Only Desktop Cradle	ACC-HH-IDSCAN-H3