

RFID UHF PORTABLE SCANNER IDT RH160

Designed using Impinj E310 module



Bluetooth 5.0
BLE



Windows /
Linux / Mac



Shock Proof



Impinj
E310 Module



54689501878

Barcode
(1D&2D)

IDT RH160 is a powerful UHF scanner that supports both UHF RFID and 1D/2D barcode scanning. The device is integrated with a self-developed UHF module based on the Impinj E310 chip, supporting Gen2X for strong single-tag reading and fast multi-tag reading, with a maximum reading range of 7–100 cm. The scanner also features a high-performance barcode engine, allowing it to read a wide variety of 1D and 2D barcodes. IDT RH160 is suitable for applications in retail, inventory management, logistics, manufacturing, and more.

PHYSICAL PARAMETER

Dimension	154.0 x 87.8 x 65.0mm
Material	Plastic
Buzzer	Voice Prompt
Button	UHF, 2D, UHF or 2D
Indicator LED	Function: 1 for UHF, 1 for 2D Status: 1 for UHF, 1 for 2D Power: 1 Bluetooth: 1
Comm Interface	BT HID
Keypad	1 power key, 1 scan key
Battery	2600 mAh (Wireless version)

BARCODE SCANNING

Scan Engine	2D Scanner
Min. Resolution	Code 39 – 4mil, UPC – 7.8mil (60%), PDF417 – 5mil, Datamatrix – 5mil

ENVIRONMENTAL SPECIFICATIONS

Drop Test 1.5 m to the concrete

COMMUNICATION

Bluetooth Bluetooth Low Energy (BLE) 5.0 (Wireless Version)

UHF RFID

Engine CM-3N module based on Impinj E310

Frequency 865-868MHz / 920-925MHz / 902-928MHz

Protocol EPC global Gen 2 (ISO18000-6C)

Antenna Circular polarization

Output Power 1-25 dBm

Max Read Range 7-100cm (30cm ideally)

Impinj Gen2X Supported

OPTIONAL ACCESSORIES

Accessories 1 * TYPE-C; Power Supply: 5V 2A

ORDER INFORMATION

Part Number IDT.RH.160

APPLICATION AREA



Retail



Inventory



Warehouse



Manufacturing Unit



Supply Chain



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The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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