

## RC-4E Quick Start Kit

Part Number RC-QSK-RC4EIOT-US



- ⇒ Pre-configured all-in-one RFID system – power, reader, on-board computer, surge protection
- ⇒ Pre-installed antenna cables and power cord
- ⇒ Steel 12” x 12” x 6” junction box
- ⇒ API support
- ⇒ Available with integrated data management solutions
- ⇒ Requires external RFID antennas
- ⇒ Purchase directly from rfidCollect or through Anixter

The rfidCollect Quick Start Kit is an easily installed, fully functional RFID system that negates complex on-site installation and disruption to end users’ operations. The system incorporates rfidCollect’s fully integrated, FCC approved UHF RFID reader, on-board computer with store-and-forward tag data transfer, and Wi-Fi and/or cellular connectivity. Pre-installed 6-foot antenna cables and a surge protected, grounded 120 VAC power cord make setup easy. A 12VDC 3A converter supplies power to the reader and computer. Longer antennas are available at time of purchase.

### RC-4E Reader

The FCC approved RC-4E reader is a competitively priced USB-connected EPCglobal UHF Gen 2 RFID reader and writer powered by Impinj’s proven Indy RS2000 SiP. The RC-4E incorporates a 16-pin terminal block with four GPIO ports, and 5V and 12V outputs for powering ancillary devices. The reader’s system functions can be monitored through on-board LED status displays. The RC-4E’s GPIO capabilities enable the reader to control a variety of devices such as cameras, locks, light bars and audible alarms. In addition to the device’s primary function of automatic item identification, it provides a platform for related information distribution and alerts. With read rates of up to 500 tags per second depending on tag populations, power settings and data parameters, the RC-4E is an ideal reader for inventory management, asset tracking and industrial automation.



rfidCollect

7230 Lee Deforest Drive, #104, Columbia, MD 21046, USA  
[www.rfidCollect.com](http://www.rfidCollect.com)



## RC-4E Specifications

|                     |  |
|---------------------|--|
| RFID Module         | Impinj RS2000  |
| Connectivity        | USB 2.0 Type B Receptacle; USB serial bridge, with configurable vendor ID  |
| TX Output Power     | Range: +10 to +31.5 dBm; Default: +30 dBm  |
| RX Sensitivity      | -74 dBm (1% packet error rate). Assumes operation in RF mode 1, and a 15 dB antenna return loss at 31.5 dBm output power.  |
| Supported Regions   | FCC approved for USA applications; other regional regulatory approvals pending   |
| Antenna Connections | 4 Reverse-Polarity SMA (RP-SMA)  |
| Expansion Connector | 16 pin removable screw terminal block with 4 isolated GPIO ports <ul style="list-style-type: none"> <li>• 2 opto-isolated inputs</li> <li>• 2 open drain outputs</li> <li>• 1 relay controlled 12V, 1.25A fused output, NO or NC, override switch capable</li> <li>• 1 isolated 5V 200mA, for GPIO pull-up or relay control</li> </ul> |
| DC Power Supply     | 12V 3A power input, polarity protected   |
| Operation Status    | 12 status LEDs   |
| Dimensions          | 124 x 30 x 105 mm (4.88" x 1.18" x 4.13")  |

rfidCollect provides direct systems deployment of its Quick Start Kit, or for larger scale deployments, works with strategic partners such as Anixter for order fulfilment.

rfidCollect offers a powerful data management system to enhance the usefulness of automatic data collection hardware such as RFID readers, barcode scanners, and NFC and Bluetooth devices. Its rfidCollector Edge software is a fully configurable hosted solution for asset, resource and event management and has API's for ease of backend systems integration.

rfidCollector Edge enhances the accuracy and timeliness of actionable data management.