

## RC-4E Passive UHF RFID Reader



Part Number RC-4E

- ⇒ Requires 12 VDC 1-5A power supply
- ⇒ Supports up to 4 antennas
- ⇒ SMA female antenna cable connectors
- ⇒ Requires SMA male antenna cables
- ⇒ Purchase directly from rfidCollect or Anixter
- ⇒ Stand-alone device with API support
- ⇒ Available with integrated data management solutions

Available at



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 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 compact 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 small form factor reader for inventory management, asset tracking and industrial automation.

### 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")