

## Touch Mobile Credential Reader

Touch io offers unparalleled convenience and security. By using a mobile device as a credential, touch io allows users to keep their phone in their pocket for hassle-free entry. Simply tap the reader, and touch io will automatically authenticate or deny access\*. Unlike other Bluetooth readers, touch io uses inside-out technology to prevent accidental openings. Using advanced hardware, the reader detects which side of the door a user is standing, distinguishing between credentials inside or outside a room before granting access.





\*This reader requires a PDK system with an annual subscription to operate. Visit [prodatakey.com](http://prodatakey.com) to learn about pdk io and our complete lineup of access control products.



## Model

PN: RDRBT

## Touch io Features

-  **Unlimited Mobile Credentials**  
With touch io, you can issue an unlimited number of mobile credentials per reader. There's no need to buy redeemable scratch cards, and system owners will experience significant cost savings over traditional access control cards.
-  **Mobile Credential Management**  
Unlike traditional prox cards, mobile credentials are nearly impossible to copy or clone, and a lot less likely to become lost or stolen. Plus, system administrators can easily add or delete employee mobile credentials in just a few clicks within pdk io.
-  **Inside-Out Technology**  
Unlike other Bluetooth readers, touch io uses inside-out technology to prevent accidental openings. Using advanced hardware, the reader detects which side of the door a user is standing, distinguishing between credentials inside or outside of a room before granting access.
-  **Touch Access**  
Keep your phone in your pocket for hassle-free entry. Simply tap or nudge the reader and touch io will automatically unlock the door using a mobile credential. No more fumbling with keys, looking for an ID badge, or struggling to get your phone out of your pocket.
-  **Bluetooth Low Energy (BLE)**  
Bluetooth LE provides the secure transmission of the credential to the reader using patented technology to transmit your data when in range for access control.
-  **Standard Prox Card Compatible**  
Touch io leverages both 125 kHz prox cards and Bluetooth credentials, allowing for a smooth transition from legacy access control.

## Specifications:

### Input

Badge Frequency: 125 KHz

Bluetooth Frequency: 2.4-2.486 GHz

Reader Bluetooth Range: adjustable from 30' to 1"

### Output

26- to 37-bit Wiegand protocol

Cable: 24 AWG (maximum length 400')

### Environmental

Temperature: -40° F to 149° F (-40° C to +65° C)

Humidity: 0-95% relative humidity, non-condensing

Protection Rating: IP65

### Enclosure

Dimensions: 1.7" x 6" x 1.3" (W x H x D)

Weight: 0.49 lbs / 7.8 oz / 222 g (w/backplate)

### Power

Voltage: +5.5 to 16 VDC at the reader. Regulated power supply and 12 VDC at the reader is recommended for best operation.

Current Draw: 100mA - 200mA typical, 225mA max peak at 12 VDC low-power mode. Bright light power mode available.

### Compliance

Conforms to UL Standard 294, FCC



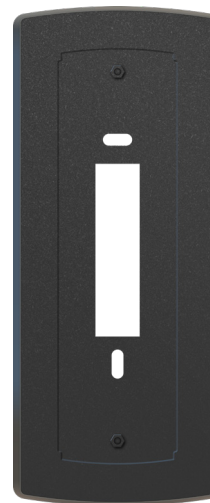
### Manufacturer's Limited Warranty

One to three-year warranty against defects in materials and workmanship. For full details visit [prodatakey.com](http://prodatakey.com).



### Inside-out Antenna Enclosure Cap

Inside-out Antenna Enclosure Cap included (see picture above)



### Accessory

Single-gang adaptor backplate included (see picture above)