

# RFID-USB

## RFID Card Reader



- Provides an RFID card reader solution for supported scheduling applications and custom room control projects
- Integrates directly with Crestron® TSW-70 or TSS-70 series touch screens and control systems
- Presents a sleek, modern design with a small form factor
- Installs onto drywall or glass surfaces with support for mullion mount kit installations

The Crestron® RFID-USB is a sleek RFID card reader that integrates into supported room scheduling applications and custom room control projects via a [TSW-70 series](#) or [TSS-70 series](#) touch screen. The RFID-USB installs next to the touch screen, allowing users to easily authenticate with or communicate to the touch screen by scanning an RFID card. The RFID-USB also integrates with a Crestron control system for custom room control or access projects. The RFID-USB supports a range of LF and HF technologies (125 kHz and 13.56 MHz) as well as NFC and Bluetooth® Low Energy (BLE) communications to satisfy numerous RFID use cases.

The RFID-USB provides a small form factor and versatile mounting options for incorporation into new and existing installations. The RFID-USB attaches securely to glass or drywall surfaces using adhesive pads without requiring any screws. The RFID-USB also is compatible with mullion mount kit installations ([TSW-770/1070-MSMK series](#)). The RFID-USB connects directly to the touch screen via USB for power supply and data communication.

## Specifications

### Wireless Communications

<b>Frequency</b>	125 kHz (LF); 13.56 MHz (HF); 2.4 GHz (BLE)
<b>Antenna</b>	Integrated into device
<b>Read/Write Distance</b>	Up to 3.15 in. (80 mm) depending on environment (for LF and HF)
<b>Transmission Speed</b>	USB full speed, 12 Mbit/s (Host); < 848 kbit/s (HF Air); < 100 kbit/s (BT Air)
<b>Bluetooth® Communications (BLE)</b>	Bluetooth v4.2; GAP, SM, L2CAP, ATT standards; Predefined GATT structure; AES128 supported

### Connectors

<b>USB</b>	(1) Micro USB connector, female; For connection to USB host port on TSW-70 series touch screen
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### Power

<b>Power Supply</b>	4.3–5.5V via micro USB; Limited power source according to IEC60950-1 or PS2 classified IEC 62368-1, short-circuit current < 8 A
<b>Power Consumption</b>	70 mA typical (idle); 135 mA typical (RF field on)
<b>MTBF</b>	500,000 hours

### Environmental

<b>Temperature</b>	-4° to 140° F (-20° to 60° C)
<b>Humidity</b>	5% to 95% RH (non-condensing)

### Construction

<b>Housing</b>	Plastic, black finish
<b>Mounting</b>	Peel-and-stick adhesive mount to glass, drywall, or similar surfaces; Mounting frame provided for integration with mullion mount kit installations

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### Dimensions

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<b>Height</b>	2.58 in. (66 mm); 3.37 in. (86 mm) with mounting frame
<b>Width</b>	1.79 in. (46 mm); 1.94 in. (49 mm) with mounting frame
<b>Depth</b>	0.16 in. (4 mm); 0.26 in. (7 mm) with mounting frame

### Weight

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0.64 oz (18 g)

### Compliance

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#### Regulatory Model: TWN4 Slim

IC, FCC Part 15 Class B Digital Device

### Models

#### RFID-USB

RFID Card Reader

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/How-To-Buy/Find-a-Representative](http://www.crestron.com/How-To-Buy/Find-a-Representative) or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to [www.crestron.com/warranty](http://www.crestron.com/warranty) for full details.

The specific patents that cover Crestron products are listed online at [patents.crestron.com](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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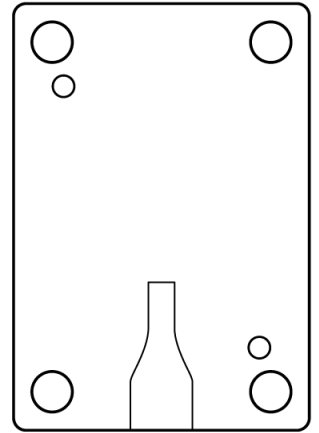
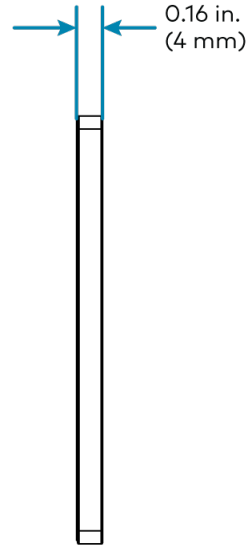
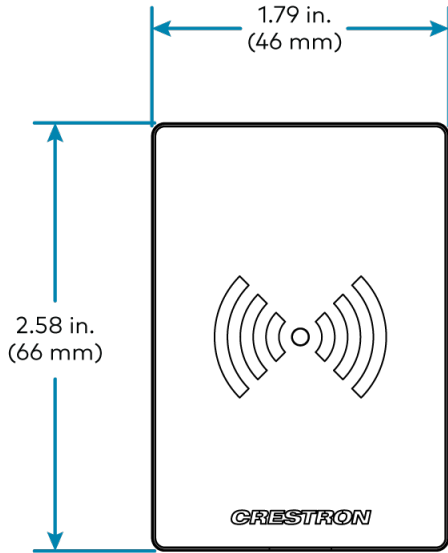
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# RFID-USB

## RFID Card Reader

### RFID-USB without mounting frame



### RFID-USB with mounting frame

