

# Socket RFID Reader Card



## Add Plug-in RFID Capabilities to Pocket PC Applications

Now add high frequency RFID capabilities to your mobile data collection application with Socket's CompactFlash RFID Reader Card. This product reads and writes to all ISO 15693 and many proprietary 13.56 MHz RFID tags being used or deployed for asset tracking, access control, process control and healthcare/medical/pharmaceutical applications.



Like all of Socket's bar code scanning products, the RFID Reader Card is supported by SocketScan™ keyboard wedge software, which sends the RFID tag ID to any Windows applications as virtual keystrokes — no custom programming needed! A small additional application allows reading and manual writing to the accessible memory blocks for demonstration purposes.



For developers who wish to embed control of the RFID Reader's read/write functionality into their applications, an SDK is available from Socket at: [www.socketcom.com/pdf/rfid/rfidsdk.pdf](http://www.socketcom.com/pdf/rfid/rfidsdk.pdf)

### Mobility Friendly™ Means Low Power

As with all of our products, Socket designed the Mobility Friendly CF RFID Reader Card to use minimal power. Drawing only 11 mA (36 mW) in idle mode, the CF RFID Reader Card will operate for hours without requiring you to recharge the batteries in your Pocket PC.



*Use the RFID Reader Card for applications such as inventory tracking and asset management.*

## FEATURES

- Integrated Type I CF card and scanner works in Type I/II CF slot of Pocket PCs
- High Frequency 13.56 MHz Reader/Writer
- Maximum read range of 2.5 inches (6.35 cm), depending on tag antenna size
- Complies with ISO15693 and ISO14443A
- Reads all data from the most popular HF ISO15693 tags, such as ICode SLI/SL2, LRI512, my-d, Tag-It HF-I
- Reads all data from these proprietary HF tags: ICode 1, Tag-It HF, and PicoTag
- Reads the tag ID code only from proprietary Mifare and GemWave tags
- Reads multiple tag IDs simultaneously in Loop Mode
- Supported by the same SocketScan and SDK that supports all of Socket's bar code scanning products
- SocketScan software for Windows converts tag ID numbers into virtual keystrokes. Windows applications treat the data as if it were manually typed
- SocketScan lets you create prefixes and suffixes, such as Tab or Carriage Return, to further eliminate keystrokes during data collection
- This *Battery Friendly* solution draws only a few milliamps of current in standby mode, extending the battery life of your Pocket PC
- No extra batteries or special power adapter required. The card gets power from the Pocket PC
- Works with Windows-based development tools, so you can easily create custom applications



# Socket RFID Reader Card

SKU# RF5400-542



The RFID Reader Card integrates a Type I CF Card and RFID scanner into one sleek, durable unit.



## Additional Product Information:

Website: [www.socketcom.com](http://www.socketcom.com)

Email: [info@socketcom.com](mailto:info@socketcom.com)

FTP: <ftp://ftp.socketcom.com>

## Sales Offices:

Corporate Headquarters:

Phone: 510-744-2700

Domestic Toll Free: 800-552-3300

Fax: 510-744-2727

Email: [www.socketcom.com/contact](http://www.socketcom.com/contact)



## Corporate Headquarters:

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37400 Central Court, Newark, CA 94560  
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## SPECIFICATIONS

### Physical Characteristics

#### CompactFlash Card Size:

1.43 x 1.68 x 0.13 inches  
(36 x 42.7 x 3.3 mm)

#### Weight: 1.1 oz. (34 g)

#### Scanner Head Size:

1.76 x 1.93 x 0.82 inches  
(45 x 49 x 21 mm)

#### Power Consumption (3.3 V):

Idle: 11 mA  
Read/Write: 52 mA  
Also operates at 5 V

#### Environmental:

##### Operating Temperature:

-10 to +50°C (-4 to +122°F)

##### Storage Temperature:

-40 to +70°C (-40 to +158°F)

##### Humidity: 5-95% RH non-condensing

##### Frequency: 13.56 MHz (HF)

##### Maximum Read Range:

2.5 inches (6.35 cm), depending on tag antenna size

##### Compatibility: Windows COM port

### HF RFID Tags Supported

#### ISO15693:

- ICode SLI/SL2
- LRI512
- my-d
- Tag-It HF-I

#### Proprietary

- ICode 1
- PicoTag
- Tag-It HF
- GemWave (tag ID only)

#### ISO14443A:

- Mifare (tag ID only)

### Operating System Support

Windows CE.NET v4.2  
(Windows Mobile)

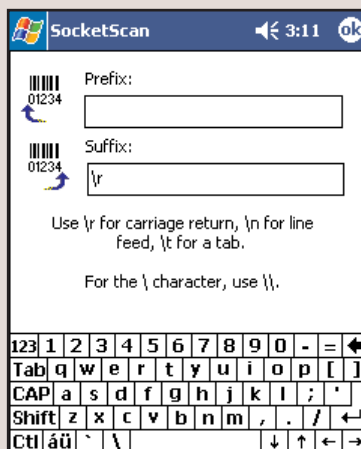
### Certification

FCC: Part 15, Class B  
CE: EN55024:1998  
C-TICK: s.182

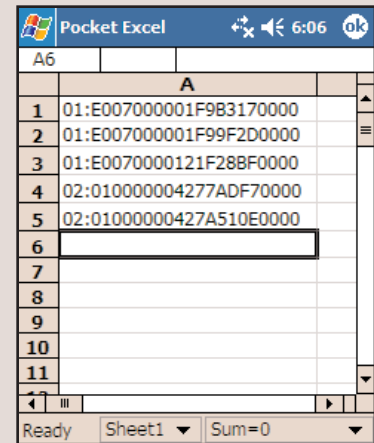
### Warranty: 1 year

To learn more about RFID, please visit:

[www.socketcom.com/pdf/SocketandRFID.pdf](http://www.socketcom.com/pdf/SocketandRFID.pdf)



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SocketScan enters the tag ID directly into any Windows program as if it were manually typed.

