

# Socket CF RFID Reader-Scan Card Series 6



## Dual-Function RFID & Bar Code Scanning Capabilities for Pocket PC Applications

As RFID begins to supplement bar codes in many applications, both technologies will co-exist for many years. Now you can add both high frequency RFID read/write and laser bar code scanning capabilities to your Pocket PC-based data collection application with Socket's CompactFlash RFID Reader-Scan Card. This dual-function product reads and writes to all ISO 15693 and many proprietary 13.56 MHz RFID tags and also scans all common linear bar codes.



Like all of Socket's Auto ID products, the CF RFID Reader-Scan Card is supported by SocketScan™ keyboard wedge software, which sends the RFID tag ID, data from selected memory blocks or bar coded data to any Windows application as virtual keystrokes — no custom programming needed! A small RFID Demo program allows manual writing to the accessible memory blocks for demonstration purposes.



For developers who wish to embed control of the CF RFID Reader-Scan Card's functionality into their applications, a SocketScan SDK is available. For more information, please visit: [www.socketcom.com/embedded/socketscan.asp](http://www.socketcom.com/embedded/socketscan.asp)

### Mobility Friendly™ Means Low Power

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



Use the card for applications such as security identification and patient tracking.

## FEATURES

- Integrated Type II CF card and reader/scanner works in Type II CF slot of Pocket PCs
- High Frequency 13.56 MHz Reader/Writer
- Approx. read range of 2.0 inches (5.1 cm), depending on tag antenna size
- Reads and writes to the most popular HF ISO15693 tags, such as ICode SLI/SL2, LRI512, my-d, Tag-It HF-I
- Reads and writes to these proprietary HF tags: ICode 1, Tag-It HF, and PicoTag
- Reads multiple tag IDs simultaneously in Loop Mode
- Scans all commonly used linear bar codes
- Version 6M available with Class 1 laser for normal scanning conditions. Version 6P available with Class 2 laser for more demanding scanning applications
- Supported by the same SocketScan and SDK that supports all of Socket's bar code scanning products
- SocketScan software for Windows converts tag IDs, data from selected memory blocks or bar code data 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 the data collection process
- This *Mobility 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



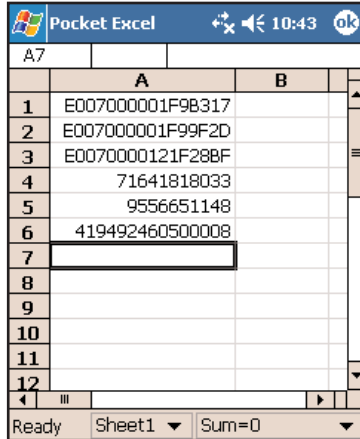
# Socket

## CF RFID Reader-Scan Card

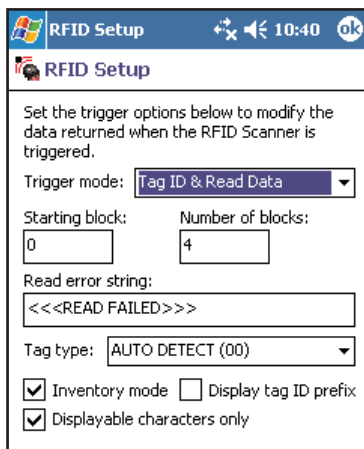
### Series 6

6M - Class 1 Laser SKU# RF5402-544

6P - Class 2 Laser SKU# RF5405-632



SocketScan enters the tag ID, data from selected memory blocks or bar code data directly into any Windows program as if it were manually typed.



SocketScan lets you configure this product to read the tag ID, data from selected memory blocks or both into any Windows program.

## SPECIFICATIONS:

### Physical Characteristics:

#### CompactFlash Card Size:

1.43 x 1.68 x 0.20 inches  
(36 x 42.7 x 5.0 mm)

#### Weight: 1.6 oz. (45 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

RFID Reading/Writing: 52 mA

Scanning: 72 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

### Operating System Support:

Windows CE.NET v4.2 or 5.0  
(Windows Mobile)

Compatibility: Windows COM port

### RFID Characteristics:

Frequency: 13.56 MHz (HF)

#### Maximum Read Range:

Approx. 2.0 inches (5.1 cm),  
depending on tag antenna size

### HF RFID Tags Supported:

#### ISO15693:

ICODE SLI/SL2, LRI512, my-d, Tag-It HF-I

#### Proprietary:

ICODE 1, PicoTag, Tag-It HF



### Scanner Characteristics:

#### Laser Classes Available:

- Version 6M: Laser Class 1
- Version 6P: Laser Class 2

### Certification:

FCC: Part 15, Class B

CE: EN55024:1998

C-TICK: s.182

Warranty: 2 years

Learn more about RFID:

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

Learn about Class 1 & 2 laser scanning:

[www.socketcom.com/pdf/TechBriefClass1Class2.pdf](http://www.socketcom.com/pdf/TechBriefClass1Class2.pdf)



## ADDITIONAL PRODUCT INFORMATION:

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

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