

# Socket 2D Scan Card Series 5



## Add Linear, 2D/Matrix and Postal Bar Code Scanning, Image Capture, and OCR to a Pocket PC 2000/2002/2003, HPC 2000, Pen Tablet or Notebook

Socket's 2D Scan Card (2DSC) 5B/5X brings a new level of convenience, portability and ultra-high performance to mobile data collection by combining Socket's Mobility Friendly™ CompactFlash technology with a miniature CMOS image capture engine from HHP (formerly Hand Held Products).



Just plug the card into your Windows-based mobile computer, launch SocketScan™ software, and read bar code data into any Windows program. It's 50 times faster and 10,000 times more accurate than manual data entry. You can also capture grayscale VGA images.

The 2DSC 5B/5X integrates all of today's auto-ID data capture needs into a single device. The engine features omni-directional and auto-discrimination decoding for all popular linear, stacked linear, matrix (2-D) and postal symbologies. Additionally, the card supports OCR A and B, digital signature capture, and full VGA image capture in 256 level grayscale.

Pocket PC and pen tablet users will benefit from the exciting new possibilities for bar code and image capture applications. The card features bar code optimized imaging technology, developed by HHP over more than 20 years. The aiming line is bright and intuitive. Plus, the 2DSC 5B/5X offers omni-directional scanning, even on linear codes. This greatly simplifies operator training and increases productivity.

The SocketScan SDK (sold separately) includes a simple set of libraries for incorporating scanning into your C, C++ or .NET applications and configuring the device quickly and effectively.



### FEATURES

- Type I CF card with image capture engine works directly in Type I or II CompactFlash slot. With CF-to-PC Card adapter (available separately, SKU# AC4000-978), works in PC Card slot
- Compatible devices include:
  - Pocket PC 2000/2002/2003/2003SE
  - HPC 2000 or pen tablet running Windows CE v3.0 or later
  - Notebook or pen tablet running Windows 98SE, Me, 2000, XP or XP Tablet
- SocketScan keyboard emulation software works with Windows Mobile and Windows 98SE/Me/2000/XP/XP Tablet
- Two configurations:
  - 2DSC 5B (Basic) Reads all "normal-size" bar codes
  - 2DSC 5X (Xtreme Performance) Optimized to read high density or small font bar codes
- **SocketScan SDK** available to application developers. This tool kit is usually needed to manage serial data from 2D bar codes
- Reads all popular linear, stacked linear, 2D/Matrix and postal symbologies, including MaxiCode, Data Matrix, QR Code, PDF417, and Aztec
- SocketScan "Scan Demo" reports symbology, length and decoded data (in ASCII or Hex) of any scanned bar code (of any supported symbology)
- Full omni-directional scanning, made possible by CMOS-based image processing technology
- Two year warranty
- No extra batteries or special power adapter required — the card gets power from the mobile computer
- Works with Windows-based development tools so you can easily create custom applications

# Socket 2DSC Series 5

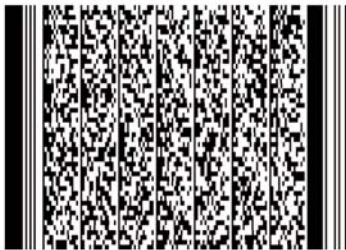
Type I CF Card with Integrated Imager  
for Windows Mobile, 98SE, Me, 2000,  
XP, and XP Tablet



Use the 2D Scan Card 5B/5X to take pictures or scan bar codes, such as for medical applications

## 2D Scan Card Series 5

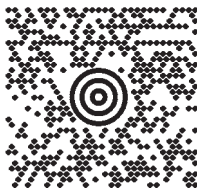
2DSC 5B SKU# IS5202-413  
2DSC 5X SKU# IS5217-516



PDF417 Bar Code



Data Matrix  
Bar Code



Maxicode  
Bar Code

**socket**  
The Mobile Connection



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## SPECIFICATIONS

### Physical Characteristics:

**Overall Size:** 83.08 x 51 x 23 mm  
**CompactFlash Card Portion:**  
42.4 x 42.8 x 3.3 mm (Conforms to CF  
Type I Extended Spec. 36.4 mm + 6 mm)  
**Scan Head Portion:** 40.65 x 51 x 23 mm  
**Total Weight:** approx. 1.8 oz (51.5 g)

### Power Consumption (3.3 V):

**Idle:** 20 mA (66 mW)  
**Scanning:** 340 mA (1122 mW)

### Bar Code Symbolologies & OCR Supported:

- **Linear (1-D) and Stacked Codes:**  
Code 39, Code 128, UPC & EAN/JAN,  
I 2 of 5, Matrix 2 of 5, Code 93,  
Code 49, Code 11, MSI/Plessey, IATA,  
Codabar, PDF417, MicroPDF, and RSS  
(linear and composite)
- **Matrix Codes (2-D):** Aztec, Aztec  
Mesa, Maxicode, Data Matrix, QR  
Code (Model 1 & 2), VeriCode,  
Codablock, Composite
- **Postal Codes:** Postnet (US), Canada,  
Japan, UK, Australia, Netherlands
- **OCR:** OCR-A, OCR-B, US Currency

### High Density Version:

The 2DSC 5X version is optimized  
to read high density or small font  
linear and matrix (2-D) bar codes.

### Image Output:

**Size:** 640 x 480 pixels (VGA) at  
maximum resolution  
**Color:** 256 level grayscale

### Hardware Support:

- Pocket PC 2000/2002/2003/2003SE
- HPC 2000 or pen tablet running  
Windows CE v3.0 or later
- Notebook or pen tablet running  
Windows 98SE, Me, 2000, XP,  
XP Tablet  
(Windows 95 and NT not supported)

### Interface Standards:

- CompactFlash (CF) Type I
- PC Card (with CF-to-PC Card adapter,  
sold separately: SKU # AC4000-978)

### Imager Performance:

**Rotational Sensitivity:** 360°  
**Viewing Angle:** ±45°  
**Ambient Light:** Total darkness to  
100,000 lux (full sunlight)

### Temperature:

**Operating:** -10 to +50°C (14 to 122°F)  
**Storage:** -40 to +70°C (-6 to 158°F)

### Humidity:

5% to 95% RH  
non-condensing at +32° C (90° F)

### Warranty:

Two years

### Certification/Compliance:

**FCC:** Part 15, Class B (pending)  
**CE:** EN55024:1998 **C-TICK:** s.182 (pending)  
CompactFlash Spec. 2.0

### SocketScan™ Software:

- Reads bar code data into any  
Windows program as if manually typed
- Add Prefixes and/or Suffixes (e.g.  
Carriage Return or Tab) to further  
eliminate manual keystrokes
- Assign beep tone or .WAV file to  
signify a good scan
- Scan Demo reports symbology,  
length, and decoded data (in ASCII or  
Hex) of any scanned bar code (among  
supported symbologies)

**SocketScan SDK** - Tool kit for applica-  
tion developers, usually needed to  
manage serial data from 2D bar codes

