

# HID DigitalPersona® 4500 Reader

## OPTICAL USB FINGERPRINT READER

The DigitalPersona® 4500 fingerprint reader is a USB peripheral perfect for individual desk top users, as well as multiple users in shared environments. Its compact design conserves desk space in enterprises, and its professional, modern appearance looks elegant in point-of sale environments. The DigitalPersona 4500 Reader utilizes optical fingerprint scanning technology to achieve excellent image quality, a large capture area and superior reliability. A silicone coating allows it to read a wide range of fingerprints accurately and rapidly regardless of placement angle. The high-quality metal casing resists unintentional movement.

To use, simply place a finger on the reader window and the reader quickly and automatically captures and encrypts the fingerprint image before sending it to the DigitalPersona FingerJet™ biometric engine for verification. For superior user feedback, a red "flash" indicates that a fingerprint image has been captured.

The DigitalPersona 4500 fingerprint reader is designed for use with a full range of software including our authentication solutions, as well as most of our DigitalPersona Biometric Software Development Kits. Whether you are an enterprise customer or a system integrator, DigitalPersona's biometric identity verification solutions provide a natural extension to your security system and applications.



## FEATURES:

- Blue LED
- Small form factor
- Excellent image quality
- Superior ESD resistance
- Encrypted fingerprint data
- Latent print rejection
- Counterfeit finger rejection
- Rotation invariant
- Rugged
- Works well with dry, moist or rough fingerprints
- Compatible with DigitalPersona SDKs for Windows, Linux and Android

## APPLICATIONS:

- Desktop PC security
- Mobile PC security
- Custom applications

DATASHEET

TELF: 428-6317 / 427-6947

HID DigitalPersona®  
4500 Reader

|  |   |
|--|---|
| <b>Product Name</b>                        | DigitalPersona® 4500 Reader   |
|  | <b>FINGERPRINT IMAGING SYSTEM</b>   |
| <b>Technology</b>                          | Optical fingerprint scanning  |
| <b>Output image resolution / bit depth</b> | 512 dpi / 8-bit grayscale (256 gray levels)   |
| <b>Scan Capture Area</b>                   | 14.6 mm (nom. width); 18.1 mm (nom. length)   |
|  | <b>BIOMETRIC FUNCTIONS</b>  |
| <b>Image output format</b>                 | <ul style="list-style-type: none"> <li>DigitalPersona Fingerprint Image</li> <li>ISO 19794-4:2005; ANSI/INCITS 381-2004</li> <li>Uncompressed Image Mode (raw)</li> <li>WSQ Compressed</li> </ul> |
|  | <b>SECURITY FEATURES</b>  |
| <b>USB Data Encryption</b>                 | Proprietary 32-bit polynomial encryption with rolling key   |
|  | <b>ENVIRONMENTAL RANGE</b>  |
| <b>Temperature, Operating</b>              | 0° +40° C   |
| <b>Humidity, Operating</b>                 | 20% to 80% R.H., non-condensing   |
|  | <b>INTERFACE</b>  |
| <b>USB</b>                                 | <ul style="list-style-type: none"> <li>USB 2.0 Full-speed High Power Device</li> <li>USB A, USB Micro-B, USB-C connectors available, 20 cm or 183 cm cable</li> </ul>                             |
|  | <b>FORM FACTOR &amp; DURABILITY</b>   |
| <b>Overall dimensions</b>                  | 65mm L x 36mm W x 15.5mm H  |
| <b>Weight</b>                              | 105 grams   |
|  | <b>POWER SUPPLY REQUIREMENTS</b>  |
| <b>Power Supply Voltage</b>                | 5.0 VDC ±5% supplied by USB   |
| <b>Supply Current - Suspend Mode</b>       | < 0.5 mA (Maximum)  |
| <b>Supply Current - Scanning</b>           | < 100 mA (Typical)  |
|  | <b>STANDARDS COMPLIANCE</b>   |
| <b>Device Certifications</b>               | FCC Class B, CE, ICES, BSMI, MIC, USB, WHQL   |
| <b>Environmental</b>                       | Reach, WEEE, RoHS   |
|  | <b>DEVELOPMENT KIT OPTIONS</b>  |
|  | DigitalPersona® Biometric SDK supports a variety of thin client and browser plug-in options   |

Data subject to change without notice.

For more information about HID Global's single finger readers, [click here](#).

hidglobal.com

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