

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

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Product Name	DigitalPersona® 4500 Reader
	FINGERPRINT IMAGING SYSTEM
Technology	Optical fingerprint scanning
Output image resolution / bit depth	500 dpi / 8-bit grayscale (256 gray levels)
Scan Capture Area	14.6 mm (nom. width); 18.1 mm (nom. length)
	BIOMETRIC FUNCTIONS
Image output format	• DigitalPersona Fingerprint Image • ISO 19794-4:2005; ANSI/INCITS 381-2004 • Uncompressed Image Mode (raw) • WSQ Compressed
	SECURITY FEATURES
USB Data Encryption	Proprietary 32-bit polynomial encryption with rolling key
	ENVIRONMENTAL RANGE
Temperature, Operating	0° +40° C
Humidity, Operating	20% to 80% R.H., non-condensing
	INTERFACE
USB	• USB 2.0 Full-speed High Power Device • USB-A
	FORM FACTOR & DURABILITY
Overall dimensions	65mm L x 36mm W x 15.5mm H
Weight	95 grams +/- 1 gram
	POWER SUPPLY REQUIREMENTS
Power Supply Voltage	5.0 VDC ±5% supplied by USB
Supply Current - Suspend Mode	< 0.5 mA (Maximum)
Supply Current - Scanning	< 100 mA (Typical)
	STANDARDS COMPLIANCE
Device Certifications	FCC Class B, CE, ICES, BSMI, MIC, USB, WHQL
Environmental	Reach, WEEE, RoHS
	DEVELOPMENT KIT OPTIONS
	DigitalPersona® Biometric SDK supports a variety of thin client and browser plug-in options

Data subject to change without notice.



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