HID®

DigitalPersona®
5300 Module

FIPS 201/PIV, FAP 30 CERTIFIED USB FINGERPRINT MODULE

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APPLICATIONS

ID Verification for:

- Civil ID/Voting/Entitlement Services
- Microfinance and Healthcare
- Mobile ID Terminals

FEATURES

- FIPS 201 PIV certified
- Mobile ID FAP 30 certified
- Low power consumption
- Fine-grained power control
- Compact size
- Blue platen illumination
- 500 dpi images
- High-durability glass top surface
- IP64-rated top surface sealed against dust and liquid
- High-quality fingerprint image
- Live Finger Detection
- Compatible with DigitalPersona SDKs for Windows®, Linux® and Android®

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The DigitalPersona 5300 Fingerprint Module is certified for both FIPS 201/PIV and FBI Mobile ID FAP 30 standards. It produces 500 dots-per-inch (dpi) fingerprint images in ANSI and ISO/IEC standard formats. The hard glass imaging window is sealed against dust and liquids (IP64) and is highly resistant to chemical and physical damage. On-board electronics automatically control calibration and data transfer over the USB interface. Its compact size and convenient mounting features simplify OEM integration.

This self-contained module optically scans the fingerprint when the user touches the glass imaging window.

The DigitalPersona 5300 Module can be used with any standards-compatible fingerprint templates extractor or matcher, including the DigitalPersona® FingerJet™ Biometric Engine.

The DigitalPersona 5300 Fingerprint Module is designed for use with a full range of DigitalPersona Software Development Kits from HID Global. Easy to program and integrate, the DigitalPersona SDK runtime environment is free to distribute with customer applications. Whether you are an OEM or system integrator, HID's biometric identity verification solutions provide a natural extension to your applications.

SPECIFICATIONS

Product Name	DigitalPersona® 5300 Module	
Dimensions	Module size (approximate): 67 mm (l) x 41 mm (w) x 27 mm (h)	
Pixel Resolution	500 dpi	
Scan Capture Area	20.32 mm x 25.4 mm	
Live Finger Detection (LFD)	Configurable using the Digital Persona Biometric Software Developer Kit (SDK)	
Image Mode	Uncompressed Image Mode (raw) WSQ Compressed	
Supply Voltage	5.0V ±5%	USB
Supply Current - Scanning	< 150 mA (Typical)	Pin 1: +5V
Supply Current - Idle Mode	< 40 mA (Typical)	Pin 2: Ground
Supply Current - Suspend Mode	< 0.5 mA (Maximum)	Pin 3: Shield
Operating Temperature	-10-50 C	Pin4:D-
Operating Humidity	0%-90% non-condensing	Pin5:D+
Storage Temperature	-20° - 55° C	
Storage Humidity	0% - 90% non-condensing	
Scan Data	8-bit grayscale	
Top Surface	IP64-rated seal between top case and glass surface*	
Interface	USB 2.0 High Speed	
Weight	60 grams	
Standards Compliance	FIPS 201 PIV, Mobile ID FAP 30, RoHS, REACH, FCC, UL, USB, WEEE CE, ICES, BSMI, BSI	
ESD	EN61000-4-2 ±4kv Contact Discharge ±8kv Air Discharge	

Data subject to change without notice.
*IP64 rating is for the seal between the top case and the glass imaging window. Devices containing the embedded module must seal the module top case to their chassis or housing to extend the IP64 protection to the device.

For more information, please [click here](#).

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