

HID BioCore Middleware

The Easiest Way to Develop Biometric Applications

HID BioCore allows developers with little or no biometric experience to add required core functionality for biometric enrollment and identification applications. It provides more than 35 workflows for criminal and applicant enrollment including identification, verification, fingerprint image, quality check and data transformation algorithms — saving the months of effort required to develop applications from scratch. The SDK enables desktop or web application development.

REDUCED DEVELOPMENT TIME

BioCore simplifies the development process by providing prebuilt biometric workflows and image processing algorithms into applications, reducing time and effort. BioCore provides the biometric algorithms that all applications use as part of enrollment, identification and verification.

MULTIPLATFORM SUPPORT

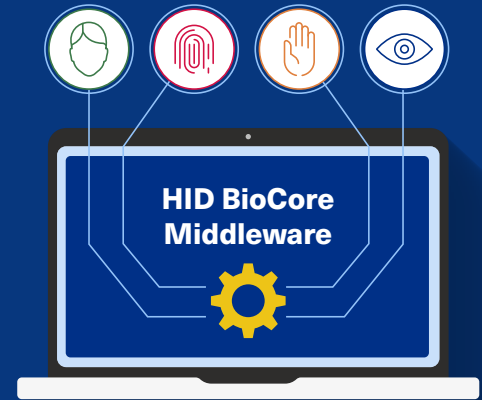
BioCore supports client, web and mobile applications. It works with all major platforms, saving time because developers don't have to redevelop algorithms depending on the platform. For mobile application it provides image processing algorithms for fingerprint segmentation, quality and sequence checks, image compression.

FUTURE-PROOF YOUR APPLICATION

BioCore's plug-in architecture provides support for many existing and new devices (HID and third party). In addition, BioCore can be reconfigured to support new devices as they become available, without changing the application's code. This saves time and money by enabling both legacy and new hardware.

COST-EFFICIENT DEPLOYMENT OPTIONS

BioCore's plug-in architecture allows devices and image processing algorithms to be interchanged as required without a rewrite of the application. BioCore supports options for open source as well as commercial algorithms, allowing the customer to meet their requirements and budget with a cost efficient solution.



AT-A-GLANCE

- Tools and samples to develop desktop and webbased applications for biometric enrollment and identification purposes.
- Create multi-modal solutions including fingerprint, palm-print and iris from multiple vendors.
- Supports 3rd party components, i.e. flatbed scanner or passport reader.

	SPECIFICATIONS
Product Name	HID BioCore Middleware
Description	Biometric middleware provides device APIs, workflow and image-processing algorithms to be incorporated into desktop, mobile or web-based apps
Capture Mode	Palm, fingerprint, face and iris
	SYSTEM REQUIREMENTS
Operating System (OS)	Windows® 10 (32 & 64-bit) Windows(R) 11 (64-bit) Linux, select Ubuntu and RHEL distributions
Hardware Support	HID Guardian™ 100 and 200 HID LScan™ 500 and 1000 HID PATROL HID NOMAD™ 30 Pocket Reader
	FEATURES
Image Quality Check	Automatically captures image based upon real-time image quality measurements
Image Processing	Supports image uniqueness, segmentation, sequencing and WSQ compression for 500 and 1000 ppi images
APIs for Client and Browser Development	Supports application development for both client and browser-based applications
	DEVELOPMENT ENVIRONMENT
	Includes C#, Java sample apps and Web Services samples Can be used in any development environment for C#, Java and/or C++ (including Eclipse and Microsoft Developer Studio) Supports C, C++, C#, Java and Javascript development



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2022-09-14-eat-hid-biocore-middleware-ds-en

PLT-05304

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