

HID® Lumidigm® Software Developer Kit (SDK) 9.5

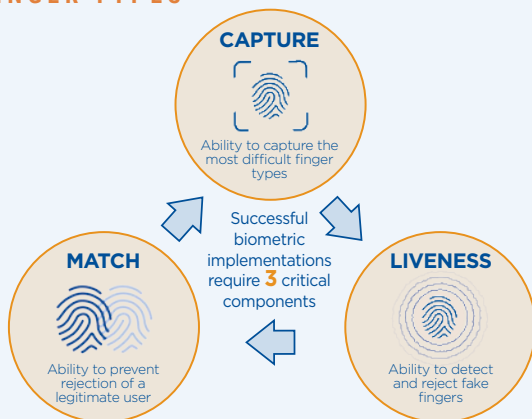
ADD THE POWER OF FINGERPRINT BIOMETRICS TO REAL-WORLD APPLICATIONS WITH EASE

The HID Lumidigm Software Development Kit (SDK) is a collection of application programming interfaces (APIs), documentation and code samples that allows developers to quickly integrate HID's patented multispectral imaging (MSI) fingerprint technology into their applications, preventing the fraudulent use of another person's identity.

The HID Lumidigm SDK 9.5 is perfect for adding fingerprint biometrics to a wide variety of real-world applications, including citizen ID, voting, government benefits disbursement, ATM, self-service kiosk, time and attendance, physical access control, single sign-on, point of sale, drug dispensing, employee authentication and know-your-customer (KYC) applications. The implementation enables organizations to:

- **Reduce Financial Losses** — Built with market-leading liveness detection, the HID patented MSI fingerprint technology can accurately and consistently identify and reject fake finger attempts, preventing fraud and protecting your assets and brand. HID MSI fingerprint readers are verified and compliant with the ISO global standard for biometric Presentation Attack Detection.
- **Deliver a Superior User Experience** — Patented MSI technology ensures that every user, no matter the quality of their fingerprint (extra dry, wet, oily, dirty, aged or damaged), is properly enrolled and quickly matched. This reduces false rejections for faster user throughput and increased user satisfaction.
- **Protect User Privacy** — Use HID Lumidigm SDK 9.5 to build a privacy-preserving biometric solution. Encrypt on-host fingerprint template databases to protect the user's privacy and comply with local privacy legislations such as GDPR.

HID PATENTED MSI WORKS ON THE MOST DIFFICULT FINGER TYPES



HID MSI offers a fast, single-touch experience and reduces the number of false rejections.



HID patented MSI works on the most difficult finger types



HID MSI ensures users have a fast, single-touch experience and authorized users are not falsely rejected

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SUPPORTED HID LUMIDIGM FINGERPRINT READERS

Part Number	DESCRIPTION
 M210-00-01	Single finger biometric reader, MSI technology, OEM sensor, match on host 1:1 and 1:N
 M211-00-01	Single finger biometric reader, USB desktop reader, match on host 1:1 and 1:N
 M320-00-10	Single Finger Biometric Reader, MSI Technology, OEM Module, match on device 1:1 and 1:N
 M321-00-10	Single finger biometric reader, MSI technology, USB desktop reader, match on device 1:1 and 1:N
 V300-40-01	Single finger biometric reader, MSI technology, OEM module, match on device 1:1
 V302-40-01	Single finger biometric reader, MSI technology, USB desktop reader, match on device 1:1
 V310-00-01	Single finger biometric reader, MSI technology, OEM sensor, match on host 1:1 and 1:N
 V310-01-01	Single finger biometric reader, MSI technology, OEM sensor, match on host 1:1 and 1:N
 V311-00-01	Single finger biometric reader, MSI technology, USB desktop reader, match on host 1:1 and 1:N
 V311-01-01	Single finger biometric reader, MSI technology, USB desktop reader, match on host 1:1 and 1:N
 V371-00-01	Single Finger Biometric Reader, MSI Technology, USB Desktop Reader, match on host 1:1 and 1:N with integrated RF contactless card reader
 V520-01-01	Single finger biometric reader, MSI technology, OEM module, on device template database, 1:1 and 1:N match on device
 V521-01-01	Single finger biometric reader, MSI technology, USB desktop reader, on device template database, 1:1 and 1:N match on device

SPECIFICATIONS

Operating System	Programming Interface	Development Environments
Windows 10 x64, Windows 11 x64	"C", JAVA, C#	Visual Studio 2005+/Netbeans
Linux PC; 32-bit systems	C/C++	VS Code/CMake/GNU
Linux PC; 64-bit systems	C/C++	VS Code/CMake/GNU
Linux embedded ARMV7; 32-bit architecture	C/C++	VS Code/CMake/GNU
Linux embedded ARMV8; 64-bit architecture	C/C++	VS Code/CMake/GNU

HID Lumidigm SDK 9.5 can be downloaded from the
HID Developer Portal: [HID Developer Community](#)



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