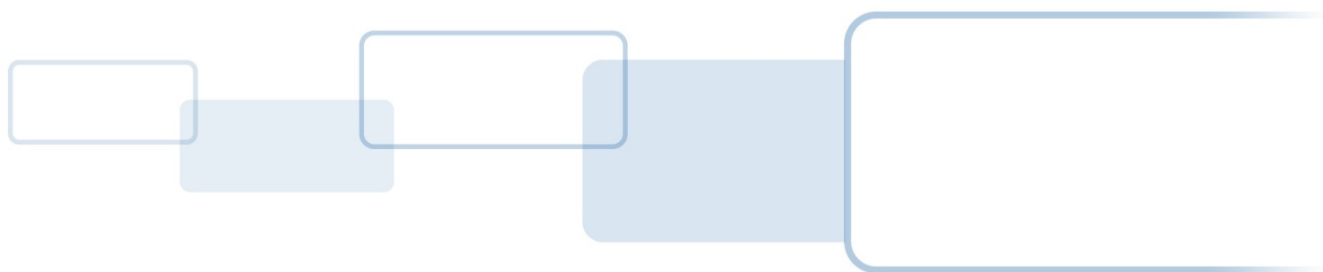


Lumidigm Framework Matrix

PLT-02279, Rev. A.2
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Revision History

| Date | Description | Version |
|----------|---|---------|
| 08/12/16 | Software Version 6.00 | A.2 |
| 07/24/15 | V371 release. | A.1 |
| 12/16/14 | First release as part of HID Global (1.6) | A.0 |

Contacts

For additional offices around the world, see **www.hidglobal.com** corporate offices.

| North America & Corporate | Lumidigm |
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| 611 Center Ridge Drive Austin, TX 78753 USA Phone: 866-607-7339 Fax: 949 732 2120 | For Lumidigm specific issues: Website: http://www.hidglobal.com/lumidigm-technical-support Email: Lumidigm@hidglobal.com Phone: 505 272 7057 |
| HID Global Customer Support: support.hidglobal.com | |

1 Lumidigm Framework Matrix

This guide provides information about the various sensors, applications and operating system platforms along with their relationships to each other that are supported by Lumidigm. The tables found in this guide are:

1. Supported Lumidigm Sensors by OS Platform
2. Supported Lumidigm Applications by Sensor Series
3. Supported Lumidigm Applications by OS Platform

1.1 Supported Lumidigm Sensors by OS Platform

The following table shows what Lumidigm fingerprint sensors are supported on the various platforms specified.

| Sensor Series | SKU | Win XP | Win 7/8/10 32-bit | Win 7/8/10 64-bit | Win CE 5.0 | Win CE 6.0 | Linux 32-bit† | Linux 64-bit† | Android* |
|---------------|------------|--------|-------------------|-------------------|------------|------------|---------------|---------------|----------|
| V30x | V30*-02-** | ✓ | ✓ | ✓ | | | | | |
| V30x-E | V30*-0-** | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| M30x | M30*-00-10 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| M31x | M31*-00-10 | ✓ | ✓ | ✓ | | | ✓ | ✓ | |
| V31x | V31*-00-01 | ✓ | ✓ | ✓ | | | ✓ | ✓ | |
| V371 | V371-00-01 | | ✓ | ✓ | | | | | |

† All Linux product development was done on Ubuntu 12.04 LTS x86_64 and X86_32. Any Linux distribution with a kernel revision of 2.6.23 and higher should work properly but may require some modifications.

* The Android device must be running Android 4.0 (Ice Cream Sandwich) or higher, and have a USB On-The-Go (OTG) adapter attached. The Android device need not be rooted.

Lumidigm Sensor SKU Examples:

V30x: V302-02-S-OEM1 - Tethered (for use with Lumidigm SDK only on MS Windows only)

V30x-E: V302-40-01 - Embedded

M30x: M301-00

M31x: M311-00

V31x: V310-00

1.2 Supported Lumidigm Applications by Sensor Series

The following table shows what Lumidigm applications (both installed binaries and sample code projects) are supported for the specified Lumidigm fingerprint sensor.

| Package or Application Name | V-Series | | | M-Series | |
|----------------------------------|----------|------|------|----------|------|
| | V30x-E | V30x | V31x | M30x | M31x |
| vCOM Integration Kit | ✓ | | ✓ | ✓ | ✓ |
| VCOM Example App | ✓ | | ✓ | ✓ | ✓ |
| Identification Demo App | ✓* | | ✓** | ✓ | ✓ |
| Sensor Configuration Tool | ✓ | ✓ | | ✓ | |
| LumiEnroll (Java VCOM Example) | ✓ | | ✓ | ✓ | ✓ |
| CSharp Example | ✓ | | ✓ | ✓ | ✓ |
| vCOM DB Transfer Console Example | | | | ✓ | |
| .NET vCOM Wrapper Example | ✓ | | ✓ | ✓ | ✓ |
| Android vCOM Example | ✓ | | | ✓ | |
| Lumidigm SDK | ✓ | ✓ | ✓ | ✓ | ✓ |
| SDK Enroll App | ✓ | ✓ | ✓ | ✓ | ✓ |
| VS2005 C++ Command Line Example | ✓ | ✓ | ✓ | ✓ | ✓ |
| VS2005 C++ InOp API Example | ✓ | ✓ | ✓ | ✓ | ✓ |
| VS2005 C++ Stream Check | ✓ | ✓ | ✓ | | |
| VS2005 CSharp Example | ✓ | ✓ | ✓ | ✓ | ✓ |
| VS2005 VB6 Example | ✓ | ✓ | ✓ | ✓ | ✓ |
| Lumidigm Tools | ✓ | ✓ | | ✓ | |
| V30x Flash Utility | ✓ | ✓ | | | |
| M30x Firmware Updater | | | | ✓ | |
| Lumidigm Device Service | ✓ | ✓ | ✓ | ✓ | ✓ |
| Lumidigm Streaming Device Config | | | ✓ | | ✓ |
| Lumidigm Device Manager | ✓ | ✓ | ✓ | ✓ | ✓ |

* Identification on a V30x-E requires firmware 24087 or SKU V30x-30-S

** Release 6.00 of the Lumidigm Device Service includes the Minex III extractor and matcher and the proprietary 1:N engine. Releases 5.30.53 and earlier of the Lumidigm Device Service used the Lumidigm 1:N engine. Templates generated with the Lumidigm 1:N engine are not compatible with the new Minex III proprietary 1:N engine. The V31x will support the a legacy mode so certain 1:N database groups can use the Lumidigm 1:N engine. The only migration strategy from a Lumidigm 1:N database group to the new Minex III database group is re-enrollment of subjects. Please refer to the "Lumidigm Biometric Performance - V-Series.pdf" document for more detail and matching threshold tables.

Note: For 6.00 the V30x-40 (firmware 29428) sensor does not support 1:N Identification.

Note: To upgrade V30x sensors to Firmware 29428 (Minex III certified extractor and matcher, fast acquisition), customers will need an upgrade PO. Please contact Lumidigm sales to purchase the custom firmware upgrade tool. Please refer to the "Lumidigm Biometric Performance - V-Series.pdf" and to the "E2E-1006.pdf" document for more detail on the Minex III extractor and match and for matching threshold tables.

1.3 Supported Lumidigm Applications by OS Platform

The following table shows what Lumidigm applications (both installed binaries and sample code projects) are supported for the specified platform.

| Package or Application Name | Win XP | Win 7/8/10 32-bit | Win 7/8/10 64-bit | Win CE 5.0 | Win CE 6.0 | Linux † 32-bit | Linux † 64-bit | Android* |
|----------------------------------|--------|-------------------|-------------------|------------|------------|----------------|----------------|----------|
| vCOM Integration Kit | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| vCOM Example App | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Identification Demo App | ✓ | ✓ | ✓ | | | | | |
| Sensor Configuration Tool | ✓ | ✓ | ✓ | | | | | |
| LumiEnroll (Java vCOM Example) | ✓ | ✓ | | | | ✓ | ✓ | |
| CSharp Example | ✓ | ✓ | ✓ | | | | | |
| vCOM DB Transfer Console Example | ✓ | ✓ | ✓ | | | | | |
| .NET vCOM Wrapper Example | ✓ | ✓ | ✓ | | | | | |
| Android vCOM Example | | | | | | | | ✓ |
| Lumidigm SDK | ✓ | ✓ | ✓ | | | | | |
| SDK Enroll App | ✓ | ✓ | ✓ | | | | | |
| VS2005 C++ Command Line Example | ✓ | ✓ | ✓ | | | | | |
| VS2005 C++ InOp API Example | ✓ | ✓ | ✓ | | | | | |
| VS2005 C++ Stream Check | ✓ | ✓ | ✓ | | | | | |
| VS2005 CSharp Example | ✓ | ✓ | ✓ | | | | | |
| VS2005 VB6 Example | ✓ | ✓ | ✓ | | | | | |
| Lumidigm Tools | ✓ | ✓ | ✓ | | | | | |
| Lumidigm Configuration Tool | ✓ | ✓ | ✓ | | | | | |
| Lumidigm Device Service | ✓ | ✓ | ✓ | | | | | |
| Lumidigm Streaming Device Config | ✓ | ✓ | ✓ | | | | | |
| Lumidigm Device Manager | ✓ | ✓ | ✓ | | | | | |

† All Linux product development was done on Ubuntu 12.04 LTS x86_64 and X86_. Any Linux distribution with a kernel revision of 2.6.23 and higher should work properly but may require some modifications.

* The Android device must be running Android 4.0 (Ice Cream Sandwich) or higher, and have a USB On-The-Go (OTG) adapter attached. The Android device need not be rooted.

