

RELEASE NOTES WBF DRIVERS AND DLL KIT (WBFDDK) WINDOWS EDITION REVISION 4.4.234.0

SENSORS SUPPORTED

This release of the WBF Drivers and DLL Kit (WBFDDK) for Microsoft Windows® supports the following Validity Sensors models:

- VFS5131

SOFTWARE

This release is compatible with the 32-bit and 64-bit versions of Windows® 7 & Windows® 8

The Validity Sensors Programs and Features version is **4.4.234.0**.

The Validity Sensors software build version is **4.4.234.0**.

The "vcsWBFEngineAdapter.DLL" file version is **4.4.234.0**.

FIRMWARE

The firmware version is hardware dependent.

VFS5131

The firmware version for VFS 5131 sensors is **4.30**. The firmware patch level is **11**. Firmware reports **'04.30.11.0078 Raptor ROM [VSI 13A Hitachi USB]'**

DEVICE DRIVER

VFS5131

The device driver version is **4.4.234.0**. and is dated **09/06/2012**.

WINDOWS_WBFDDK_4_4_234_0

See Enhancements and Errata History below for cumulative changes.

ENHANCEMENTS

1. WHQL'd VFS5131 drivers with WHCK 2.0 for Windows® 7 & Windows® 8 added.
2. Fix for issue "Cannot open HP SimplePass application when slip your finger on the sensor after resume S3 and S4"
3. Minor Bug fixes.

ENHANCEMENTS AND ERRATA HISTORY

WINDOWS_WBFDDK_4_4_233_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers with WHCK 2.0 for Windows® 7 & Windows® 8 added.
2. Fix for issue "FP device lost when running restart stress test" in WinPVT
3. Minor Bug fixes.

WINDOWS_WBFDDK_4_4_232_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers with WHCK 2.0 for Windows® 7 & Windows® 8 added.
2. Fix for issue "Fingerprint became unknown device when touch it before boot into OS"
3. Minor Bug fixes.

WINDOWS_WBFDDK_4_4_227_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers with WHCK 2.0 for Windows® 7 & Windows® 8 added.
2. Fix for the issue "LED flicker when resume from S3 even Choose "Don't require a password" in Power options"
3. Fix for USB device internal ID test
4. Minor Bug fixes.

ERRATA

1. With "Don't require a password" and after a 3min idle time out, there may be a LED flicker issue after un-lock from windows logon screen. Fix will be provided for this issue in our next release.

WINDOWS_WBFDDK_4_4_225_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers with WHCK 2.0 for Windows® 7 & Windows® 8 added.
2. Fix for supporting INF installation
3. Minor Bug fixes.

WINDOWS_WBFDDK_4_4_223_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers with WHCK 2.0 for Windows® 7 & Windows® 8 added.
2. Fix for 'LED flashes at log in page when no fingers are enrolled' issue
3. Minor Bug fixes.

WINDOWS_WBFDDK_4_4_212_0

ENHANCEMENTS

1. WHQL'd VFS5131, VFS5111, VFS5011, VFS491, VFS471, VFS451, VFS300 & VFS301 drivers added
2. Minor bug fixes.

WINDOWS_WBFDDK_4_3_304_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers added
2. Fix for Critical driver crash during WinPVT restart tests.
3. Minor bug fixes.

WINDOWS_WBFDDK_4_3_301_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers added
2. Fix for OTP issue
3. Fixes for the crashes during Sleep/Resume
4. Minor bug fixes

WINDOWS_WBFDDK_4_3_216_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers added
2. Fine tune finger up detection for handling Swipe Technique issues
3. Minor bug fixes

WINDOWS_WBFDDK_4_4_021_1

ENHANCEMENTS

1. Minor bug fixes.

ERRATA

1. Please be noted that this build is with Non WHQL'd device driver for VFS5131.

WINDOWS_WBFDDK_4_3_205_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers added
2. Added support 'ifSensorConnected' command line switch to the installer,
3. Minor bug fixes

WINDOWS_WBFDDK_4_3_124_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers added
2. Fix for boot start time issue during Velocity tests

WINDOWS_WBFDDK_4_3_118_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers added.
2. Fix for possible problem HP_SENSOR_ENCRYPT_OTP_SS failure if there is timeout during provisioning due to network delay

WINDOWS_WBFDDK_4_3_117_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers added.
2. Fix for failure of VIP OTP credential generation after resuming from hibernation

WINDOWS_WBFDDK_4_3_115_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers added.
2. Fix for driver crash during WinPVT Restart stress test.

WINDOWS_WBFDDK_4_3_110_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers added.
2. Fix for Fast switch user issue and sensor lost after hybrid sleep issue
3. WBFDDK localization changes
4. OTP production keys related changes integration

WINDOWS_WBFDDK_4_3_106_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers added.
2. LED bug fixes and Brightness values changed.
3. Fix for Driver crash in WinPVT restart stress test

WINDOWS_WBFDDK_4_3_100_0

ENHANCEMENTS

1. WHQL'd VFS5131, VFS 471, VFS451 drivers added

WINDOWS_WBFDDK_4_3_34_0

ENHANCEMENTS

1. Changed WBF driver file names (cat and dll) similar to inf file names
2. WHQL'd VFS 201/300/301/5111/5011/5131 drivers added

ERRATA

1. This release does not support VFS451 and VFS471 sensors

WINDOWS_WBFDDK_4_3_32_0

ENHANCEMENTS

1. WHQL'd VFS5131 drivers added

WINDOWS_WBFDDK_4_3_28_0

ENHANCEMENTS

1. Minor bug fixes

WINDOWS_WBFDDK_4_3_22_0

ENHANCEMENTS

1. WHQL'd VFS451 drivers added
2. Minor bug fixes

WINDOWS_WBFDDK_4_3_19_0

ENHANCEMENTS

1. Fix for Enrollment issue on x86 with Authentec TrueSuite
2. Fix to return capture data even if it is a bad/abusive swipe.
3. Some Minor bug fixes

WINDOWS_WBFDDK_4_3_14_0

ENHANCEMENTS

1. This is the initial release for VFS451 sensor hence no enhancements

INSTALLING AT THE COMMAND PROMPT

Rather than launching the update programs through hyperlinks in this web page, the `WBFDDKSetup.exe` can be run from the Windows command prompt. Command prompt installation allows options, such as silent install or log file creation, to be selected. To install the WBF drivers and DLLs from the command prompt, first ensure you are running as an administrator or the command prompt window has administrator rights. A command window can then be open.

" `WBFDDKSetup.exe /s` " will install in silent mode.

If this is a clean install, you can run the EXE and create a log file.

"`WBFDDKSetup.exe /l* c:\validity_install.log`"

You can uninstall the software and create a log file using the EXE:

"`WBFDDKSetup.exe /l* c:\validity_uninstall.log /x`"

Command line switches:

- `/s` silent mode - no prompts
- `/l*` log MSI actions to the specified file
- `/x` uninstall the software

USING "RUN AS ADMINISTRATOR" IN WINDOWS 7

When updating Validity drivers in windows 7 Command Prompt window, the "Run as administrator" option must be chosen. To do this:

1) Left Click on the Windows logo on the lower left of the screen:



2) Left Click on 'All Programs':



3) Left Click on 'Accessories':



4) Right Click on 'Command Prompt' and select 'Run as Administrator':



5) Change to the folder with the `ValiditySensorSetup.exe` and then run the commands as shown above:

Example: "`WBFDDKSetup.exe /s /l* c:\validity_install.log`"

The AES algorithm used by Validity Sensors is derived from Dr. Brian Gladman's AES code
<http://gladman.plushost.co.uk/oldsite/AES>

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FURTHER SUPPORT

If you need further assistance or clarification about anything in this document, please contact an applications engineer at Validity Sensors.

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