Release Notes

DRIVER VERSION: 15.36.33.4578 & 15.36.33.64.4578

DATE: January 27, 2017

SUMMARY:

Final planned driver release, with a feature improvement and miscellaneous bug fixes.

This document provides information about Intel's Graphics Driver for:

- 4th Generation Intel® Core™ Processors with Intel HD graphics, Intel Iris™ graphics and Intel Iris Pro graphics and select Pentium®/ Celeron® Processors with Intel® HD graphics for Microsoft Windows* 8.1, Microsoft Windows* 8 and Microsoft Windows* 7 operating systems.

NOTABLE FEATURES:

Intel graphics drivers now accessible to 3rd party EDID tools

It is now possible to use 3rd party EDID utilities to manipulate EDID settings to create custom modes. This feature is for advanced users only.

CONTENTS OF THE PACKAGE:

- Intel® Iris™, Iris™ Pro and HD Graphics Driver
- Intel® Display Audio Driver
- Intel® Media SDK Runtime
- Intel® OpenCL* Driver
- Intel® Graphics Control Panel

KEY ISSUES FIXED:

Reference No.	Description	Affected OS(s)	Affected Project(s)
Bug ID: 1208531783	Black screen or app crash may happen when system kept idle with "turn off the display" and show the home page which uses JavaScript	Windows*10 RS1 x64 Windows* 8.1 x64	4th Gen Intel® Core™ processor family
Root Cause/Resolution: Method to allocate and de-allocate memory was causing this issue. Driver optimizations fixed this.			
Bug ID: 1208696046	Slow transition from one page to another is seen when running a custom application	Windows* 8.1 x64	4th Gen Intel® Core™ processor family
Root Cause/Resolution: This issue was due to the application submitting large amounts of small workloads causing the performance degradation. Driver optimizations improve performance.			
Bug ID: 1304662369	Corruption seen during Fifa '17 game play	Windows*10 RS1 x64 Windows* 8 x64	4th Gen Intel® Core™ processor family

Root Cause/Resolution:			
Gfx 3D shader component had issues with rendering. Optimizations to redering code resolve this issue.			
Bug ID: 1804683332	Missing text characters in the sentence	Windows* 7x64	4th Gen Intel® Core™ processor family
Root Cause/Resolution:			
Issue is with display list concatenation. Corruptions occur when a display list with more than one draw call is encountered. This is now handled correctly from driver.			
Bug ID: 1208531783	Memory Leak in paging pool causing app failure while running JavaScript in monitor off conditions	Windows* 8.1 Windows* 10	4th Gen Intel® Core™ processor family
Root Cause/Resolution:			
Adjusted the deferred de-allocate implementation			

SUPPORTED PRODUCTS:

SOFTWARE

This driver supports 64-bit and 32-bit variants of operating systems –

- Microsoft Windows* 8.1
- Microsoft Windows* 7

HARDWARE

All platforms with the following configurations are supported:

Intel® Graphics[1]	DirectX*[2]	OpenGL*	OpenCL*	Intel® Quick Sync Video	Intel® Wireless Display	Intel® Insider™	InTru™ 3D	Intel® Clear Video HD Technology
4th Generation Intel® Core™ Processors with Intel® Iris™ Pro Graphics 5200	11.2	4.3	1.2	Yes	Yes[3,4]	Yes	Yes	Yes
4th Generation Intel® Core™ Processors with Intel® Iris™ Graphics 5100	11.2	4.3	1.2	Yes	Yes[3,4]	Yes	Yes	Yes
4th Generation Intel® Core™ Processors with Intel® HD Graphics 5000/4600/4400/4200	11.2	4.3	1.2	Yes	Yes[3,4]	Yes	Yes	Yes
Intel® Pentium® Processor 3558U/3560M/3561Y/G3220/G3220T/ G3240/G3240T/G3250/G3250T/G3258/ G3320TE/G3420/G3420T/G3430/ G3440/G3440T/G3450/ G3450T/ G3460 with Intel® HD Graphics	11.2	4.3	1.2	Yes	No	No	No	No
Intel® Pentium® Processor 3550M/3556U/ 3560Y with Intel® HD Graphics	11.2	4.3	1.2	No	No	No	No	No
Intel® Celeron® Processor 2957U/2961Y/ 2970M/2981U with Intel® HD Graphics	11.2	4.3	1.2	Yes	No	No	No	No
Intel® Celeron® Processor 2000E/2002E/ 2950M/2955U/2980U with Intel® HD Graphics	11.2	4.3	1.2	No	No	No	No	No

Note:
1. If you are uncertain which Intel processor is in your computer, Intel recommends using the Intel Processor Identification Utility or Intel Driver Update Utility to identify your Intel processor.
2. In the Intel® Iris™ and HD Graphics Control Panel (under Options > Options menu > Information Center), the 'Installed DirectX* version' refers to the operating system's DirectX version.   The Information Center's 'Supported DirectX* Version' refers to the Intel Graphics Driver's supported DirectX version.   The DirectX 11.2 API is supported but some optional features may not be available. Applications using the DirectX 11.2 API should query for feature support before using specific hardware features.
3. The Intel® Wireless Display software application is available only for Microsoft Windows 7 and Windows 8 operating systems.
4. Intel Wireless Display native Miracast* support under Windows 8.1 is now supported through the operating system's Charms menu. For more information, see the Miracast FAQ.

KNOWN ISSUES:

- Doom 3 - Corruption is seen in the main menu and in the intro of the game
- Two active taskbars sometimes seen when hot unplugging DP monitor in extended mode
- Corruption seen on Outlook 2013 reports
- Hitman™ Absolution game stops after cinematic when quality settings are high
- Green corruption seen with Overlay + YUV +xvYcc/YCbCr enabled on HDMI
- Metal Gear Solid V The Phantom Pain- Corruption on water
- Angry Birds - Corruption is seen During Maximizing & Minimizing
- Overlay application does not work when opening it in dual display configuration with a tiled display and eDP

For more information go to http://www.intel.com/performance

We continuously strive to improve the quality of our products to better serve our users and appreciate feedback on any issues you discover and suggestions for future driver releases. If you have an issue to submit, *please follow the guidance/process in this sticky* Default level information for reporting Graphics issues.

*Other names and brands may be claimed as the property of others.