Release Notes

DRIVER VERSION: 15.40.7.64.4279 & 15.40.7.32.4279

DATE: September 1, 2015

SUMMARY:

This driver adds support for the newly launched 6th Generation Intel® Core family of processors with HD Graphics 500 series. This driver also adds some new features and critical bug fixes for all supported products.

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

- 6th Generation Intel® Core processors, Intel Core™ M, and related Pentium® processors with Intel® HD Graphics 510, 515, 520, 530
- 5th Generation Intel® Core processors with Intel HD Graphics 5500, 5600, 6000, Intel Iris™ Graphics 6100, Iris Pro Graphics 6200 and select Pentium®/ Celeron® processors with Intel® HD Graphics
- Intel® Core™ M with Intel HD Graphics 5300
- 4th Generation Intel® Core™ Processors with Intel HD Graphics 4200, 4400, 4600, 5000, Intel Iris™ Graphics 5100 and Intel Iris Pro Graphics 5200 and select Pentium®/ Celeron® Processors with Intel® HD Graphics

NEW FEATURES:

- Support for the new 6th Generation Intel Core processors (& related Pentium processors) with Intel® HD Graphics 500 series, including support for Microsoft* Windows
- Support and certification for the OpenGL 4.4 API on 5th and 6th Generation Intel Core processors. 4th Generation Intel Core processors will continue to support the OpenGL 4.3 API

CONTENTS OF THE PACKAGE:

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

KEY ISSUES FIXED:

Displays flicker for ~10 seconds after resuming from S3 if DP1.2 panel is active	Windows* 8.1 - 64
Graphics corruption or green screen on certain Metro video apps	Windows* 8.1 - 64 Windows* 10 - 64
DPST does not show up in Intel Graphics Control Panel and does not work	Windows* 10 - 64
Screen display will auto turn off when playing online music with Baidu Music* and MS Edge*.	Windows* 10 - 64
Information Center incorrectly says Shader Version is "0.0".	Windows* 10 - 64

System may hang when going full screen in OpenGL sample like AustinPlane	Windows* 10 - 64
World of Warcraft* crashes with 4X AA	Windows* 10 - 64
Corruption may be seen on Dead Rising 3* on 5th gen Intel Core Processors and 6th Generation Intel® Core™ processors	Windows* 8.1 - 64
Display Scaling Option is Now "Sticky" User Preference is now available for Windows 10	Windows* 10 - 64
Hang during character creation on EVE Online*	Windows* 8.1 - 64

SUPPORTED PRODUCTS:

SOFTWARE

On 6th Generation Intel Core Processors and related Pentium/Celeron:
- Microsoft Windows* 10 64-bit
- Microsoft Windows* 8.1 64-bit
- Microsoft Windows* 7 64-bit, 32-bit

On 5th Generation Intel Core Processors and related Pentium/Celeron:
- Microsoft Windows* 10 64-bit
- Microsoft Windows* 8.1 64-bit, 32-bit
- Microsoft Windows* 8 64-bit, 32-bit
- Microsoft Windows* 7 64-bit, 32-bit

On 4th Generation Intel Core Processors and related Pentium/Celeron:
- Microsoft Windows* 10 64-bit, 32-bit

HARDWARE

All platforms with the following configurations are supported:

Intel® Graphics[1]	DirectX*[2]	OpenGL*	OpenCL*	Intel® Quick Sync Video	Intel® Wireless Display
6th Generation Intel® Core™ processors with Intel® HD Graphics 520/530	12	4.4	2.0	Yes	Yes
Intel® Core™ M with Intel® HD Graphics 515	12	4.4	2.0	Yes	Yes
Pentium Processors with Intel® HD Graphics 510	12	4.4	1.2	Yes	Yes
5th Generation Intel® Core™ Processors with HD Graphics 5500	12	4.4	2.0	Yes	Yes
5th Generation Intel® Core™ Processors with HD Graphics 6000	12	4.4	2.0	Yes	Yes
5th Generation Intel® Core™ Processors with Iris™ Graphics 6100	12	4.4	2.0	Yes	Yes

Processor					
5th Generation Intel® Core™ Processors with Iris™ Pro Graphics 6200	12	4.4	2.0	Yes	Yes
Intel® Core™ M with Intel® HD Graphics 5300	12	4.4	2.0	Yes	Yes
4th Generation Intel® Core™ Processors with Intel® Iris™ Pro Graphics 5200	12	4.3	1.2	Yes	Yes
4th Generation Intel® Core™ Processors with Intel® Iris™ Graphics 5100	12	4.3	1.2	Yes	Yes
4th Generation Intel® Core™ Processors with Intel® HD Graphics 5000/4600/4400/4200	12	4.3	1.2	Yes	Yes
Intel® Pentium® Processor 3805U	12	4.3	1.2	Yes	Yes
Intel® Celeron® Processor 3755U/3205U	12	4.3	1.2	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	12	4.3	1.2	Yes	No
Intel® Pentium® Processor 3550M/3556U/ 3560Y with Intel® HD Graphics	12	4.3	1.2	No	No
Intel® Celeron® Processor 2957U/2961Y/ 2970M/2981U/G1820/G1820T/G1820TE/ G1830/ G1840/G1840T/G1850 with Intel® HD Graphics	12	4.3	1.2	Yes	No
Intel® Celeron® Processor 2000E/2002E/ 2950M/2955U/2980U with Intel® HD Graphics	12	4.3	1.2	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 12 API is supported but some optional features may not be available. Applications using the DirectX 12 API should query for feature support before using specific hardware features. Please note that DirectX12 is only supported on Windows 10 and DirectX11.3 support is also available on supported Microsoft* operating systems.

KNOWN ISSUES:

- Forced Application Scaling is not available in Win10
- Green line may be observed when Denoise is enabled on 6th Generation Intel® Core™ processors
- Game may exit if quality settings are set to high on Hitman Absolution* on 4th/5th Gen Intel Core Processors
- Luxmark* 3.x may not run to completion
- Two active taskbars may appear when DisplayPort monitor attached to the system is unplugged while in extended desktop display configuration

- Graphics corruption may be observed in Battlefield Hardline*, Kishonti*, Crysis Warhead* and GRID Autosport* games
- Graphics corruption may be observed on Risen 3: Titan Lords* on 6th Generation Intel® Core™ processors
- System may hang in Grand Theft Auto V*, Star Trek Online*, Runescape*, and Mortal Kombat X* games
- Display flickering may be observed while adjusting brightness on the main menu of the Rage* game
- Cyberlink Power Director 13* application may crash after loading projects when Shared Virtual Memory is enabled on 5th/6th Gen Intel Core processors

More on Intel® Core™ processors

For more information on the Intel® Core™ processor family and 6th Generation Intel Core processors, please visit:

http://www.intel.com/content/www/us/en/processors/core/core-processor-family.html

http://www.intel.com/graphics

http://www.intel.com/content/www/us/en/processors/core/6th-gen-core-family-mobile-brief.html

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.

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