Release Notes

DRIVER VERSION: 15.47.02.4815
(Windows Driver Store Version 22.20.16.4815)

DATE: October 09, 2017

SUMMARY:

- [**Forza Motorsport 7***](#) **Launch Driver**[†]
- [**FIFA 18***](#) **Launch Driver**
- [**Project CARS 2***](#) **Launch Driver**
- [**Guild Wars 2: Path of Fire***](#) **Launch Driver**
- [**EVE: Valkyrie Warzone***](#) **Launch Driver**[‡]

This driver is the first to support the newly launched 8th Gen Intel® Core™ Desktop processor family.

Start your engines! Intel® is proud to announce that the world's most popular and widely played sports racing series is now playable[†] on Intel HD Graphics 620 or better for the first time ever, with the latest instalment: [Forza Motorsport 7*](#)[†], through graphics memory allocation improvements.

From finish lines to free kicks, enjoy electrifying action at launch of the latest games, [Forza Motorsport 7*](#)[†], [Project CARS 2*](#), [Guild Wars 2: Path of Fire*](#), [FIFA 18*](#), [EVE: Valkyrie Warzone*](#), [Danganronpa V3: Killing Harmony*](#), and [Hob*](#) on processors with Intel® HD Graphics 620 or better.

Battle space demons as you explore beautiful lands on the latest titles like [The Wild Eight*](#) and [Raiders of the Broken Planet – Alien Myths Campaign*](#) on Intel® Iris® Pro Graphics.

Check out the all new look and feel of [gameplay.intel.com,](#) where you'll find recommended game settings for many of your favorite PC games.

Install the [Intel Driver Update Utility](#), which now automatically checks for drivers on a regular basis and can provide notifications when new drivers are available.

[†]12GB RAM or greater required for Forza Motorsport 7* playability on Intel Graphics.
[‡] Requires optimized settings for playability on Intel Graphics, available at [gameplay.intel.com](#).

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

- 8th Generation Intel® Core processors with Intel® UHD Graphics 610, 620, 630.
- 7th Generation Intel® Core processors, related Pentium®/ Celeron® Processors, and Intel® Xeon processors, with Intel® Iris® Plus Graphics 640, 650 and Intel® HD Graphics 610, 615, 620, 630, P630.
- 6th Generation Intel® Core processors, Intel Core™ M, and related Pentium® processors, with Intel® Iris® Graphics 540, Intel® Iris® Graphics 550, Intel® Iris® Pro Graphics 580, and Intel® HD Graphics 510, 515, 520, 530.
- Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P530
- Pentium®/ Celeron® Processors with Intel® HD Graphics 500, 505

CONTENTS OF THE PACKAGE:

- Intel® Graphics Driver
- Intel® Display Audio Driver
- Intel® Media SDK Runtime
- Intel® OpenCL* Driver
- Intel® Graphics Control Panel
- Vulkan* Runtime Installer

Operating System Support

On 8th Generation Intel Core processors, 7th Generation Intel Core processors, 6th Generation Intel Core and Intel Mobile Xeon processors and related Pentium/Celeron:

- Microsoft Windows 10® 64-bit

NEW FEATURES:

Vulkan* API support updated to version 1.0.50

KEY ISSUES FIXED:

Graphical anomalies may be observed in F1 2017*
Intermittent crashes or hangs may be observed in Forza Motorsport 7*†
Display may lose rotation after going fullscreen on an external monitor with some DirectX9* applications
Vulkan: • Intermittent crashes in Unity Viking Village • Sample shading is not functional
Display: • HDR monitors show a black screen during fullscreen HDR video playback over HDMI on PowerDVD 17* • Minor graphics anomalies observed with 5K/4K tiled display setups • Occasional display flicker when playing flash content on Internet Explorer on Samsung Panels • Improvements in collage mode • EDID not fully read on i3-6006U
Improvements and fixes in DX12, including Conservative Rasterization
Media encode memory usage improvements
Security improvements

SUPPORTED PRODUCTS:

HARDWARE

All platforms with the following configurations are supported:

Intel® Graphics[1]	DirectX*[2]	OpenGL*	OpenCL*	Vulkan*	Intel® Quick Sync Video
8th Generation Intel® Core™ processors with Intel® UHD Graphics 610/620/630	12	4.5	2.1	1.0.50	Yes

7th Generation Intel® Core™ processors with Intel® Iris® Plus Graphics 640/650	12	4.5	2.1	1.0.50	Yes
7th Generation Intel® Core™ processors with Intel® HD Graphics 610/615/620/630	12	4.5	2.1	1.0.50	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P630	12	4.5	2.1	1.0.50	Yes
Pentium Processors with Intel® HD Graphics 610	12	4.5	2.1	1.0.50	Yes
6th Generation Intel® Core™ processors with Intel® Iris® Pro Graphics 580	12	4.5	2.0	1.0.50	Yes
6th Generation Intel® Core™ processors with Intel® Iris® Graphics 540/550	12	4.5	2.0	1.0.50	Yes
6th Generation Intel® Core™ processors with Intel® HD Graphics 520/530	12	4.5	2.0	1.0.50	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P530	12	4.5	2.0	1.0.50	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® Iris Pro Graphics P580	12	4.5	2.0	1.0.50	Yes
Intel® Core™ M processors with Intel® HD Graphics 515	12	4.5	2.0	1.0.50	Yes
Pentium® and Celeron® Processors with Intel® HD Graphics 500/505	12	4.5	1.2	1.0.50	Yes
Pentium Processors with Intel® HD Graphics 510	12	4.5	1.2	1.0.50	Yes

Note:
1. If you are uncertain of 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

- Graphics anomalies may be observed in Assassin's Creed® Syndicate, Titanfall® 2, Bulletstorm*: Full Clip Edition, Ballistic Overkill* 1.3.7 (Vulkan*), Divinity: Original Sin 2*, Pro Evolution Soccer 2018*, Paragon*, and other games
- Intermittent crashes or hangs may occur in Forza Motorsport 7*[†] (if run on systems with less than 12GB RAM), The Surge*, or during playback of 3D video
- Long load times may be observed for some tracks in Forza Motorsport 7*[†]
- A black screen may be seen intermittently when maximizing/minimizing a Chrome* window, only when HW acceleration is enabled in Chrome*.
- Bezel value may not correctly increment/decrement when using bezel correction in collage mode

More on Intel® Core™ processors

For more information on the Intel® Core™ processor family, Intel® Xeon® processor E3 family, and 8th Generation Intel® Core processors, please visit:

[Intel® 8th Generation Core Processors](#)

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

http://www.intel.com/content/www/us/en/processors/xeon/xeon-processor-e3-family.html

http://www.intel.com/graphics

Work and play in high resolution with Intel® UHD Graphics, Iris® Graphics, Iris® Plus Graphics, and Iris® Pro Graphics. Watch captivating 4K Ultra HD (UHD) video on up to three screens, edit photos and videos like a pro, and immerse yourself in vividly rendered, seamless 3D gameplay - all with the added power boost of an Intel® Core™ processor. Intel® Graphics bring stunning visuals to thinner and lighter portable devices, like laptops, 2 in 1s, and desktop computers. 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 found here*** [Default level information for reporting Graphics issues.](#)

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