

# Release Notes

DRIVER VERSION: 26.20.100.6709

DATE: April 18<sup>th</sup>, 2019

## HIGHLIGHTS:

- **Launch driver for**
  - **Windows\* 10 May 2019 Update**
  - **Imperator Rome\***

This launch driver is WDDM 2.6 compliant and ready for the Windows 10 May 2019 update. It introduces support for the new DirectX\* 12 Shader Model 6.4 compiler on 7<sup>th</sup> Generation Intel® Core processors or higher (Intel® HD Graphics 610 or higher).

This driver is provided with the early access release of the brand-new Intel® Graphics Command Center. The Intel® Graphics Command Center (IGCC) is a software interface that provides consumers a modern design to optimize their visual experience – built on community feedback, and designed for simplicity and ease of use:

- IGCC scans for installed games to provide 1-click optimization of in-game settings based on the user's hardware, and the ability to create custom game profiles to directly tune individual game settings.
- Additionally, IGCC helps consumers understand graphics settings with simple explanations and before-and-after images to recognize how each setting will tax their hardware.

## GAMING HIGHLIGHTS:

Plan your grand strategy in [Imperator Rome\\*](#), join the Industrial Revolution of the 19<sup>th</sup> century and start building your industry empire with [Anno 1800\\*](#), help save humanity from a zombie invasion in [World War Z\\*](#) or use your sense of hearing to investigate crimes in [Unheard\\*](#) on Intel® UHD Graphics 620 or better.

## DEVELOPER HIGHLIGHTS:

- This driver is WDDM 2.6 compliant.
- Support for DirectX\* 12 Shader Model 6.4 compiler.
- Support for PSO cache for Compute Shaders.
- Various performance improvements for D3D12 MetaCommands in DirectML.

## PERFORMANCE IMPROVEMENTS:

- Power savings improvements for integrated panels.

## KEY ISSUES FIXED:

**NOTE:** This driver contains stability and security improvements.

- Intermittent crashes or hangs may occur in Devil May Cry 5\* (DX11).

- Minor graphics anomalies may be observed in Re-Legion\*, Arma 3\* (6<sup>th</sup> generation processors only) and Dreamfall the Longest Journey.
- Rise of the Tomb Raider might display an error message when running DX12.

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

- 9<sup>th</sup> Generation Intel® Core processors, related Pentium®/Celeron® Processors, and Intel® Xeon processors, with Intel® UHD Graphics 630.
- 8<sup>th</sup> Generation Intel® Core processors, related Pentium®/ Celeron® Processors, and Intel® Xeon processors, with Intel® Iris® Plus Graphics 655 and Intel® UHD Graphics 610, 620, 630, P630.
- 7<sup>th</sup> 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.
- 6<sup>th</sup> 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 and Intel® UHD Graphics 600, 605  
Pentium®/Celeron® Intel UHD 600, 605

Be sure to check out [gameplay.intel.com](http://gameplay.intel.com), where you'll find recommended game settings for many more of your favorite PC games.

Get a front row pass to gaming deals, contests, betas, and more with [Intel® Software Gaming Access](#).

## **CONTENTS OF THE PACKAGE:**

- Intel® Graphics Driver
- Intel® Display Audio Driver (10.26.00.06)
- Intel® Media SDK Runtime
- Intel® OpenCL\* Driver
- Intel® Graphics Command Center (iGCC) early access
- Vulkan\* Runtime Installer (1.1.97.0)

## **OPERATING SYSTEM SUPPORT:**

On 9<sup>th</sup> Generation Intel® Core processors, 8<sup>th</sup> Generation Intel® Core processors, 7<sup>th</sup> Generation Intel® Core processors, 6<sup>th</sup> Generation Intel® Core and Intel® Mobile Xeon processors and related Pentium/Celeron:

- Microsoft Windows\* 10-64 - Fall Creators Update (1709)
- Microsoft Windows\* 10-64 - April 2018 Update (1803)
- Microsoft Windows\* 10-64 - October 2018 Update (1809)
- Microsoft Windows\* 10-64 - May 2019 Update (1903)

## **KNOWN ISSUES:**

- Minor graphics anomalies may be observed in Apex Legends\* (low quality settings with TSAA disabled on 6<sup>th</sup> generation Processors only), Devil May Cry 5\* (DX12), Generation Zero\*, and Tom Clancy's The Division 2\* (DX12).
- Intermittent crashes or hangs may be seen in Anno 1800\* (DX12) and World War Z\* (Vulkan).
- Corruptions may be seen in video recorded by Cyberlink\* screen recorder.

## SUPPORTED PRODUCTS:

### HARDWARE

All platforms with the following configurations are supported:

Intel® Graphics <sup>1</sup>	DirectX <sup>2</sup>	OpenGL*	OpenCL*	Vulkan*	<a href="#">Intel® Quick Sync Video</a>
9 <sup>th</sup> Generation Intel® Core™ processors with Intel® UHD Graphics 630	12	4.5	2.1	1.1.101	Yes
8 <sup>th</sup> Generation Intel® Core™ processors with Intel® Iris® Plus Graphics 655	12	4.5	2.1	1.1.101	Yes
8 <sup>th</sup> Generation Intel® Core™ processors with Intel® UHD Graphics 610/620/630/P630	12	4.5	2.1	1.1.101	Yes
7 <sup>th</sup> Generation Intel® Core™ processors with Intel® Iris® Plus Graphics 640/650	12	4.5	2.1	1.1.101	Yes
7 <sup>th</sup> Generation Intel® Core™ processors with Intel® HD Graphics 610/615/620/630	12	4.5	2.1	1.1.101	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P630	12	4.5	2.1	1.1.101	Yes
Pentium Processors with Intel® HD Graphics 610	12	4.5	2.1	1.1.101	Yes
6 <sup>th</sup> Generation Intel® Core™ processors with Intel® Iris® Pro Graphics 580	12	4.5	2.0	1.1.101	Yes
6 <sup>th</sup> Generation Intel® Core™ processors with Intel® Iris® Graphics 540/550	12	4.5	2.0	1.1.101	Yes
6 <sup>th</sup> Generation Intel® Core™ processors with Intel® HD Graphics 520/530	12	4.5	2.0	1.1.101	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® HD Graphics P530	12	4.5	2.0	1.1.101	Yes
Intel® Xeon® processor E3-1500M v5 family with Intel® Iris Pro Graphics P580	12	4.5	2.0	1.1.101	Yes
Intel® Core™ M processors with Intel® HD Graphics 515	12	4.5	2.0	1.1.101	Yes
Pentium® and Celeron® Processors with Intel® HD Graphics 500/505/510	12	4.5	1.2	1.1.101	Yes
Pentium® and Celeron® Processors with Intel® UHD Graphics 600/605	12	4.5	1.2	1.1.101	Yes

Note:

1. If you are uncertain of which Intel® processor is in your computer, Intel® recommends using the [Intel Processor Identification Utility](#) or Install the [Intel® Driver & Support Assistant](#) (previously called Intel® Driver Update Utility) to identify your Intel® processor.

## More on Intel® Core™ Processors

For more information on the Intel® Core™ processor family, Intel® Xeon® processor E3 family, and 9<sup>th</sup> Generation Intel® Core processors, please visit:

### [Intel® 9<sup>th</sup> 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.