

DRIVER VERSION: 30.0.100.9684

DATE: July 14, 2021

HIGHLIGHTS^{*1}:

- Windows[®] 11 Support

GAMING HIGHLIGHTS^{*1}:

- Support for **F1 2021^{*}**
- Optimizations to reduce load times and stuttering in **Moonlight Blade^{*}(DX12)** and **Call of Duty: Warzone^{*}(DX12)**.
- Support for Windows 11 Microsoft Auto HDR feature on 10th Gen Intel[®] Core™ processors with Iris Plus Graphics or higher

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DEVELOPER HIGHLIGHTS:

- This driver is WDDM 3.0 compliant.
- DirectX[®]12 Shader Model 6.6 compiler support
- Support for DirectML enhancements and optimizations
- Windows Subsystem for Linux (WSL)^{*6} Driver Update

KEY ISSUES FIXED:

- Intel[®] Iris[®] X^e MAX graphics: Minor graphic anomalies seen in **Fortnite^{*}**, **Balan: Wonderworld^{*}**.
- Intel[®] Iris[®] X^e MAX graphics: Intermittent crash or hang seen in **Assassin's Creed Valhalla^{*}** (DX12), **Marvel's Avengers^{*}** (DX12).
- Blank Display observed with 5120x2160 resolution at 50Hz setting.
- Intermittent crash or hang seen in **Shadowman Remastered^{*}**(Vulkan), **Dark Souls III^{*}**, **Gangstar New Orleans^{*}**, **Wolfenstein II: The New Colossus^{*}** (Vulkan), **World of Tanks^{*}** (DX12).
- Minor graphic anomalies seen in **Dirt 5^{*}** (DX12), **Watch Dogs: Legion^{*}** (DX12), **Control^{*}** (DX12), **Far Cry: New Dawn^{*}** (when starting from a saved file), 3DMark: FireStrike^{*}.
- HDMI 2.0 monitor cannot light up after resume from sleep or standby.
- Display abnormal when 4K monitor connected and switched to duplicate displays.
- Visual anomalies seen on internal panel during .wmv movie playback in Movies & TV app under high CPU usage on 11th Generation Intel[®] Core™ H-Series mobile Processors.

Are you still experiencing an error preventing the driver update? Look here for [why and a solution](#).^{*2}

KNOWN ISSUES:

- Intermittent crash or hang may be seen in Burnout Paradise Remastered*, Call of Duty: Black Ops Cold War* (DX12), Detroit: Become Human* (Vulkan), Doom Eternal* (Vulkan), Metro Exodus* (DX12) when changing graphics settings, Moonlight Blade* (DX12), Necromunda: Hired gun* (DX12) (when choosing Shadow option other than low), Need for Speed Payback*, NBA 2K21* (DX12) (when switching resolution from 1920 x 1080 to 1600 x 900 and 1280 x 720), Red Dead Redemption 2* (DX12) while running benchmark, Redout: Enhanced Edition*, Resident Evil Village* (DX12), Scarlet Nexus*, Shadow of the Tomb Raider* (after switching to DX12 and SMAA 4x and playing for 10 minutes), Spyro: Reignited Trilogy*, The Dark Pictures: Man of Medan* (in online mode), Tom Clancy's Ghost Recon Breakpoint*, War Thunder*.
- Minor graphic anomalies may be observed in Adobe Premiere Pro 2020* while playing video, Assassin's Creed Valhalla* (DX12), Crysis Remastered, Cyberpunk 2077* (DX12), Dark Souls 3, Death Stranding* (DX12), Deus Ex Mankind Divided* (DX12), Doom Eternal* (Vulkan) (in-game menu), Elex*, Forza Horizon 4* (DX12), Gears of War Ultimate Edition* (DX12), Hitman 2* (DX12), Horizon Zero Dawn* (DX12), Just Cause 4*, Microsoft Flight Simulator*, Minecraft VR* (DX12 when launched with audio enabled), Monster Jam Steel Titans 2*, Red Dead Redemption 2* (DX12), Shadow of the Tomb Raider* (DX12), Starcraft 2*, Tom Clancy's Rainbow Six Siege* (Vulkan), 3DMark Fire Strike*.
- Intel® Iris® X^e MAX graphics: Intermittent crash or hang may be seen in Rage 2* (Vulkan) (when entering main menu), Sid Meier's Civilization VI* (during ALT + ENTER), SMITE*, The Witcher 3*, Warframe* (DX12).
- Intel® Iris® X^e MAX graphics: Minor graphic anomalies may be observed in Call of Duty: Modern Warfare* (DX12), Forza Motorsport 6* (DX12), GRID 2019* (DX12), Marvel's Avengers (DX12), Metro Exodus* (DX12), Rocket League* (when CMAA Enabled), Serious Sam 4* (Vulkan).

CONTENTS OF THE PACKAGE:

- Intel® Graphics Driver
- Intel® Display Audio Driver 10.26.0.10 (6th Gen and related Pentium Silver and Celeron processors)
- Intel® Display Audio Driver 10.27.0.10 (7th, 8th, 9th, 10th Gen Intel® Core™ processors)
- Intel® Display Audio Driver 11.1.0.18 (10th Gen Intel® Core™ processors with Iris Plus Graphics)
- Intel® Display Audio Driver 11.2.0.8 (Intel® Core™ Processors with Intel® Hybrid Technology)
- Intel® Display Audio Driver 12.1.0.6 (Intel® Iris® X^e MAX Graphics)
- Intel® Media SDK Runtime (11.0.0.003)
- Intel® Graphics Compute Runtime for OpenCL* Driver
- Intel® Graphics Command Center (installed via Microsoft* Store)
- Vulkan^{*3} Runtime Installer
- Intel® Graphics Driver Installer (1.0.494)
- OneAPI Level Zero Loader and Validation Layer
- Intel® Graphics Compute Runtime for OneAPI Level Zero specification

OPERATING SYSTEM SUPPORT:

Intel Graphics ¹	Microsoft Windows® 11	Microsoft Windows® 10 64-bit October 2020 Update (20H2)	Microsoft Windows® 10 64-bit May 2020 Update (2004)	Microsoft Windows®10 64-bit November 2019 Update (1909)	Microsoft Windows®10 64-bit May 2019 Update (1903)	Microsoft Windows®10 64-bit October 2018 Update (1809)
11th Generation Intel® Core™ H-Series mobile Processors with Intel® Iris® X^e graphics (Codename Tiger Lake - H)	X	X	-	-	-	-
11th Generation Intel® Core™ Processors with Intel® Iris® X^e graphics (Codename Rocket Lake)	X	X	-	-	-	-
Intel® Iris® X^e MAX Graphics (Codename DG1)	X	X	X	-	-	-
Intel® Pentium® Processor family and Intel® Celeron® Processor family (Codename Jasper Lake)	X	X	X	X	-	-
11th Generation Intel® Core™ Processors with Intel® Iris® X^e graphics (Codename Tiger Lake)	X	X	X	X	-	-
Intel® Core™ Processor with Intel® Hybrid Technology (Codename Lakefield)	X	X	X	X	-	-
Intel® Atom®, Pentium® and Celeron® processor family (Codename Elkhart Lake)	X	X	X	X	X	X
10th Generation Intel® Core™ processors with Intel Iris Plus graphics (Codename Ice Lake)	X	X	X	X	X	-
10th Generation Intel® Core™ processors with Intel UHD Graphics (Codename Comet Lake)	X	X	X	X	X	-
9th Generation Intel® Core™ processors, related Pentium®/Celeron® processors, and Intel Xeon® processors, with Intel UHD Graphics 630 (Codename Coffee Lake-R)	X	X	X	X	X	-
8th 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 (Codename Kaby Lake-R, Coffee Lake)	X	X	X	X	X	-
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 (Codename Kaby Lake)	-	X	X	X	X	-
6th Generation Intel® Core™, 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 (Codename Skylake)	-	X	X	X	X	-

SUPPORTED APIS:

Intel Graphics ¹	DirectX ^{*4}	OpenGL [*]	OpenCL [*]	One API Level Zero	Vulkan [*]	Intel Quick Sync Video
Intel Iris X ^e MAX Dedicated Graphics family and 11 th Generation Intel Core processors with Intel [®] Iris [®] X ^e Graphics:	12	4.6	3.0	1.1 ⁵	1.2	Yes
10 th Generation Intel Core processors, 9 th Generation Intel Core processors, 8 th Generation Intel Core processors, 7 th Generation Intel Core processors and related Intel Xeon/Pentium/Celeron processors:	12	4.6	3.0	1.1 ⁵	1.2	Yes
6 th Generation Intel [®] Core™ processors:	12	4.6	3.0	1.1 ⁵	1.2	Yes
Pentium [®] and Celeron [®] Processors with Intel [®] HD Graphics 500/505, Pentium and Celeron processors with Intel UHD Graphics 600/605:	12	4.6	3.0	-	1.2	Yes

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

Be sure to check out gameplay.intel.com, where you'll find recommended in-game settings for your Intel Graphics system for many more of your favorite games.

Note:

1. Intel Labs conducts independent testing of supported titles on Intel platforms to ensure playability. Please refer to publisher system requirements to ensure compatibility with your system.
2. Graphics Driver Smart Installer Enhancement allows end-users to upgrade systems with OEM DCH drivers to newer Intel generic DCH drivers. OEM customizations are preserved during this upgrade process, in accordance with Microsoft* DCH driver design principles (refer to Microsoft documentation, "Extension INF Publishing Whitepaper" to learn more). The installer will continue to restrict OEM non-DCH to Intel Generic non-DCH upgrades as well as OEM non-DCH to Intel Generic DCH driver upgrades. End-users will continue to be referred to OEM websites. **WARNING:** Installing this Intel generic graphics driver will overwrite your Computer Manufacturer (OEM) customized driver. OEM drivers are handpicked, customized, and validated to resolve platform-specific issues, enable features and enhancements, and improve system stability. The generic driver's intention is to temporarily test new features, game enhancements, or check if an issue is resolved. Once testing is complete Intel advises reinstalling the OEM driver until they validate it and release their own version. Any graphics issues found using Intel generic graphics drivers should be [reported directly to Intel](#). Corporate customers should always use OEM drivers and report all issues through the vendor they purchased the platforms and support through.
3. Product is conformant with the Vulkan* 1.2 specification. Vulkan* and the Vulkan* logo are registered trademarks of the Khronos Group Inc*.
4. In the Intel Graphics Command Center (System > Driver), the 'Microsoft DirectX* version refers to the operating system's 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 onwards and DirectX11.3 support is also available on supported Microsoft* operating systems.
5. One API Level Zero API version is pre-release version supported on 6th generation Intel[®] Core™ processors and above. Note that Intel[®] Atom processors are not supported.
6. See the [Windows Subsystem for Linux Installation Guide](#) for Windows 10 onwards for more details about how to install a supported Linux distribution.

More on Intel Core Processors

For more information on the Intel Core processor family, Intel Xeon E processor family, and 11th Generation Intel Core processors, please visit:

[Intel 11th 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>

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](#).

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