

Intel® HD Graphics Driver v36.19.0 Gold for Windows 10* IoT Core for Intel® Atom™ processor E3800 Product Family and Intel® Celeron® Processor N2807/N2930/J1900

Release Notes

December 2015



You may not use or facilitate the use of this document in connection with any infringement or other legal analysis concerning Intel products described herein. You agree to grant Intel a non-exclusive, royalty-free license to any patent claim thereafter drafted which includes subject matter disclosed herein

No license (express or implied, by estoppel or otherwise) to any intellectual property rights is granted by this document.

All information provided here is subject to change without notice. Contact your Intel representative to obtain the latest Intel product specifications and roadmaps.

The products described may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Copies of documents which have an order number and are referenced in this document may be obtained by calling 1-800-548-4725 or by visiting: <http://www.intel.com/design/literature.htm>

Intel, Intel® Atom™, Intel® Celeron®, and the Intel logo are trademarks of Intel Corporation in the U.S. and/or other countries. *Other names and brands may be claimed as the property of others.

Copyright © 2015, Intel Corporation. All rights reserved

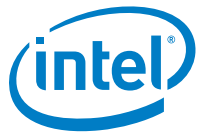


Contents

1.0	Introduction	5
1.1	Intended Audience	5
1.2	Customer Support	5
1.3	Reference Documents	6
2.0	New in This Release	7
2.1	New Features	7
2.2	Changes to the Existing Features	7
3.0	Fixed Issues	8
4.0	Known Issues	9
4.1	Non-Intel Issues	9
5.0	Where to find the Release	10
6.0	Release Content	11
7.0	Hardware and Software Compatibility	12
7.1	Supported Chipsets	12
7.2	Supported Operating Systems	12
7.3	BIOS/Firmware Version	12
7.4	Software Licenses	12

Tables

Table 1.	Reference Documents	6
Table 2.	Release Subproject Components	11



Revision History

Date	Revision	Description
December 2015	001	Intel® HD Graphics V36.19.0 Gold Release

§



1.0 Introduction

Intel® HD Graphics Driver is designed specifically to support the unique graphics driver requirements of embedded applications for Intel® Embedded chipset based platforms with integrated graphics capabilities.

This release contains components for:

emgd_gfx_36_19_0_1227.zip

1.1 Intended Audience

This document is intended for Intel Internet of Things Group (IOTG) customers, especially Original Design Manufactures (ODMs)/ Original Equipment Manufacturers (OEMs), and Independent Software Vendors (ISVs) using Intel® HD Graphics on Intel® Atom™ processor E3800 Product Family and Intel® Celeron® Processors N2807/N2930/N2930.

1.2 Customer Support

For technical support, including answers to questions not addressed in this document, visit the technical support forum, Frequently Asked Questions (FAQs), and other support information at:

<http://www.intel.com/content/www/us/en/embedded/software/emgd/embeddedmediaand-graphics-drivers-for-atom-overview.html>

The Intel® Embedded Design Center (EDC) is a public website; it contains Intel® HD Graphics production releases. Updates will be available for download from the Embedded Design Center once the product is in production.

To submit an issue, go to Intel® Premier Support:

<https://employeeportal.intel.com/irj/portal/IntelPremierSupportUser>

Note: Intel® Premier Support supports the Intel® HD Graphics Driver.

For more information on registering with Intel® Premier Support, go to:

<http://software.intel.com/en-us/articles/performance-tools-forsoftwaredevelopersintel-premier-support>



Note: If you have obtained this document from an Independent Software Vendor (ISV) contact them for technical support.

1.3 Reference Documents

For detailed installation and configuration instructions, refer to the *User Guide* included in this Intel® EMGD release package. Full title and location information for the guide is provided in [Table 1](#).

Table 1. Reference Documents

Document	Document No./Location
Intel® HD Graphics V36.19.0 Gold for Windows 10* IoT Core for Intel® Atom™ processor E3800 Family/Intel® Celeron® Processor N2807/N2900/J1900 Gold Release User Guide	Bundled with driver package
Intel® HD Graphics V36.19.0 Gold for Windows 10* IoT Core for Intel® Atom™ processor E3800 Family/Intel® Celeron® Processor N2807/N2900/J1900 Gold Release Specification Update	TBD



2.0 *New in This Release*

2.1 New Features

This release contains the following features:

- This release supports Windows*10 Internet of Things (IOT) Core support for Intel® Atom™ processor E3800 Product Family and Intel® Celeron® Processors N2807/N2930/N2930
- The driver has the capability to support following display:
HDMI/DVI (1920x1080)
- The driver supports Directx11*
- Driver shall support VC1 and H.264 media decode.

2.2 Changes to the Existing Features

The following features have been updated for this release:

There have been no previous release of this driver



3.0 Fixed Issues

Refer to Table 2 in the *Intel® HD Graphics V36.19.0 Gold for Windows 10* IoT Core for Intel® Atom™ processor E3800 Family/Intel® Celeron® Processor N2807/N2900/J1900 Gold Release - Specification Update* (CDI Doc # TBD) for more detailed information on Bug fixes and possible resolutions.

§



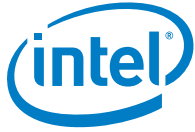
4.0 Known Issues

Refer to Table 1 in the *Intel® HD Graphics V36.19.0 Gold for Windows 10* IoT Core for Intel® Atom™ processor E3800 Family/Intel® Celeron® Processor N2807/N2900/J1900 Gold Release – Specification Update* (CDI Doc # TBD) for more detailed information on Known issues and possible workarounds..

4.1 Non-Intel Issues

There are no known non-Intel issues documented at this time.

§



5.0 *Where to find the Release*

Customers who are interested in obtaining the release packages are advised to contact their Intel representatives.

§



6.0 Release Content

Refer to Table 3 for a list of components contained in the following zip file:

emgd_gfx_36_19_0_1227.zip

Table 2. Release Subproject Components

Subproject (Component)
INTEL.GFX.Build1227.cab
igd10iumd32.dll
igdkmd32.sys
igdlh.cat
igdlh.inf
igdusc32.dll
igfx11cmrt32.dll
igfxcmjit32.dll

§



7.0 **Hardware and Software Compatibility**

This section provides a complete summary of the hardware and software compatibility.

7.1 **Supported Chipsets**

Target system must contain one of the following Intel processor(s):

Intel® Atom™ processor E3800 Product Family and Intel® Celeron® Processor
N2807/N2930/J1900

Check with your system provider to determine the Intel® Chipset used in your system.

7.2 **Supported Operating Systems**

This version of the driver supports the following OS or distributions:

Microsoft® Windows® 10 IoT Core

7.3 **BIOS/Firmware Version**

This version of the driver supports the following Basic Input/output System (BIOS) firmware version:

Bayley Bay CRB v093.41

7.4 **Software Licenses**

The Intel® HD Graphics is subject to the terms of the license agreement located in the license file in this distribution package. Users shall read, understand, and agree to the terms before using Intel® HD Graphics.

§§