Notice: The Intel® Embedded Media and Graphics Drivers 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.
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§ §
<table>
<thead>
<tr>
<th>Date</th>
<th>Revision</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 2013</td>
<td>020</td>
<td>Errata updated for the 1.18 Windows XP and Linux release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>March 2013</td>
<td>019</td>
<td>Errata updated for the Preliminary 1.18 Windows XP and Linux release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>October 2012</td>
<td>018</td>
<td>Errata updated for the 1.16 Windows XP and Linux release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>October 2012</td>
<td>017</td>
<td>Errata updated for the 1.16 Windows XP and Linux Preliminary release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>April 2012</td>
<td>016</td>
<td>Errata updated for the 1.14 Windows XP and Linux release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>March 2012</td>
<td>015</td>
<td>Errata updated for the 1.14 Windows XP and Linux Preliminary release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>November 2011</td>
<td>014</td>
<td>Errata updated for the 1.10 Windows XP and Linux release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>October 2011</td>
<td>013</td>
<td>Errata updated for the Beta 1.10 Windows XP and Linux release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>September 2011</td>
<td>012</td>
<td>Errata updated for the 1.8.1 Windows XP and Linux release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>June 2011</td>
<td>011</td>
<td>Errata updated for the 1.8 Windows XP and Linux release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>April 2011</td>
<td>010</td>
<td>Errata updated for the 1.6 Windows XP and Linux release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS. Changed the summary table and errata detail format to include “Impacted Platform” field.</td>
</tr>
<tr>
<td>January 2011</td>
<td>009</td>
<td>Errata updated for the 1.5.2 Windows XP and Linux release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>October 2010</td>
<td>008</td>
<td>Errata updated for the 1.5 Windows XP and Linux release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>September 2010</td>
<td>007</td>
<td>Errata updated for the 1.5 preliminary Windows CE release of the Intel® Embedded Media and Graphics Driver and EFI Video Driver.</td>
</tr>
<tr>
<td>August 2010</td>
<td>006</td>
<td>Errata updated for the 1.5 Windows XP and Linux release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>July 2010</td>
<td>005</td>
<td>Errata updated for the 1.0 Linux DDK release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>June 2010</td>
<td>004</td>
<td>Errata updated for the 1.0 Windows XP release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>Date</td>
<td>Revision</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>----------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>June 2010</td>
<td>003</td>
<td>Errata updated for the 1.5 beta release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>May 2010</td>
<td>002</td>
<td>Errata updated for the 1.0 beta release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
</tr>
<tr>
<td>April 2010</td>
<td>001</td>
<td>Errata updated for the 1.0 preliminary release of the Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS.</td>
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</table>
Introduction

Intel® Embedded Media and Graphics Driver, EFI Driver, and Video BIOS (Intel® EMGD) comprise a suite of multi-platform graphics drivers designed to meet the requirements of embedded applications. Featuring Intel® Dynamic Display Configuration Technology (DDCT), the drivers run on the following Embedded Intel® Architecture (eIA) chipsets:

- Intel® Atom™ Processor E6xx B1 stepping
- Intel® System Controller Hub US15W/US15WP/WPT chipset

Intel® EMGD is designed to work with fixed-function systems, such as In-vehicle Infotainment (IVI) devices, Point-of-Sale (POS) devices, ATMs, gaming devices, etc. It can be configured to work with various hardware and software systems and supports Microsoft Windows® and Linux® operating systems, including embedded versions of these operating systems.

The Intel Embedded Graphics Suite consists of both the Intel® EMGD and a Video BIOS (VBIOS) component. These two components are configurable and work together to provide a wide range of features.

Please refer to the Intel® Embedded Media and Graphics Drive, EFI Video Driver, and Video BIOS User Guide and RELNOTES.txt in the software package for a detailed description of the supported features and display devices.

Note: For errata related to Intel® Atom™ Processor E6xx B0 stepping, please refer to EMGD1.6 Specification Update.

Purpose/Scope/Audience

This document is a compilation of Errata. It is intended for those who need to work with the graphics subsystem. This includes, but is not limited to: platform designers, system BIOS developers, system integrators, original equipment manufacturers (OEMs), system control application developers, as well as end users.

This document may also contain information that was not previously published.

This document provides information on open errata in all supported Intel® EMGD packages for version 1.18 of the Intel® EMGD product. It includes information on the following packages:

- Linux Graphics Driver for Timesys* Fedora Remix14 and MeeGo 1.2.
- Windows* XP with SP3, Windows* Embedded Standard 2009, Windows* Embedded for Point of Service (WEPOS 1.0) with SP3.
- VBIOS and EFI video driver
Table 1. Affected Documents, Related Documents, and Reference Information

<table>
<thead>
<tr>
<th>Title</th>
<th>Number</th>
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<tbody>
<tr>
<td>Intel® Atom™ Processor E6xx Series - Specification Update</td>
<td>457843</td>
</tr>
<tr>
<td>Intel® Atom™ Processor E6xx Series External Design Specification</td>
<td>433303</td>
</tr>
<tr>
<td>Intel® System Controller HUB External Design Specification</td>
<td>364236</td>
</tr>
<tr>
<td>Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS User’s Guide</td>
<td>442076</td>
</tr>
<tr>
<td>Intel® Atom™ Processor Z5xxª Series Datasheet</td>
<td>319535</td>
</tr>
<tr>
<td>Intel® System Controller Hub (Intel® SCH)</td>
<td>319537</td>
</tr>
<tr>
<td>Display Panel Debugging with the Intel Graphics Memory Controller Hub</td>
<td>305964</td>
</tr>
<tr>
<td>Intel® Embedded Media and Graphics Driver, EFI Video Driver, and Video BIOS Technical Product Specification (TPS)</td>
<td>468026</td>
</tr>
<tr>
<td>Framebuffer Overlay Blending Configuration and Proof of Concept with Intel® EMGD White Paper</td>
<td>324707</td>
</tr>
<tr>
<td>VESA BIOS Extensions/Display Data Channel Standard, available at the following website: <a href="http://www.vesa.org/public/VBE/VBEDDC11.PDF">http://www.vesa.org/public/VBE/VBEDDC11.PDF</a></td>
<td>N/A</td>
</tr>
<tr>
<td>VESA BIOS Extension (VBE) Core Functions Standard Version 3.0, available at the following website: <a href="http://www.vesa.org/public/VBE/vbe3.pdf">http://www.vesa.org/public/VBE/vbe3.pdf</a></td>
<td>N/A</td>
</tr>
</tbody>
</table>

This document provides information on the 4F VBE functions, which are supported by the Intel embedded Video BIOS.

VESA BIOS Extensions/Display Data Channel Standard, available at the following website:
http://www.vesa.org/public/VBE/VBEDDC11.PDF

This document provides information on the 4F VBE functions, which are supported by the Intel embedded Video BIOS.

VESA BIOS Extension (VBE) Core Functions Standard Version 3.0, available at the following website:

Contains information on the VESA BIOS Extension (VBE) specification for standard software access to graphics display controllers that support resolutions, color depths, and framebuffer organizations beyond the VGA hardware standard.

Table 2. Conventions and Terminology

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
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<tbody>
<tr>
<td>Errata (plural)</td>
<td>Errata are design defects or errors. These may cause the Intel® Embedded Media and Graphics Driver, EFI Driver, and Video BIOS’ behavior to deviate from published specifications. Hardware and software designed to be used with any given release must assume that all errata documented for that release are present on all devices.</td>
</tr>
<tr>
<td>Erratum (singular)</td>
<td></td>
</tr>
</tbody>
</table>
Summary Tables of Current Product Issue Activity

Table 4 shows the Errata that apply to the Intel® EMGD product. Intel may fix some of the Errata in a future release of the software as noted in Table 3. Table 4 uses the codes listed in Table 3.

### Table 3. Summary Tables Legend

<table>
<thead>
<tr>
<th>Status Indicator</th>
<th>Column</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Driver Version</td>
<td>Indicates that an erratum exists</td>
</tr>
<tr>
<td>Plan Fix</td>
<td>Status</td>
<td>This erratum may be fixed in a future release.</td>
</tr>
<tr>
<td>Fixed</td>
<td>Status</td>
<td>This erratum has been previously fixed.</td>
</tr>
<tr>
<td>No Fix</td>
<td>Status</td>
<td>There are no plans to fix this erratum.</td>
</tr>
<tr>
<td>TBD</td>
<td>Status</td>
<td>This erratum still under investigation. Status to be determined.</td>
</tr>
</tbody>
</table>

A change bar to the left of a table row indicates an item that is either new or modified from the previous version of this Specification Update.

### Table 4. Errata for Intel® EMGD v1.18 (Sheet 1 of 7)

<table>
<thead>
<tr>
<th>ID</th>
<th>Impacted Platform</th>
<th>Package</th>
<th>Errata</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>201914</td>
<td>Atom E6xx, US15W/WP/WPT</td>
<td>WEPOS, Windows eXP</td>
<td>DirectX9 application BumpEarth.exe fails to display globe scene in Extended display mode.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>201924</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>Video unable to go full screen with &quot;Enable full-screen mode switch&quot; turned on in Windows Media Player 11.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>201926</td>
<td>US15W/WP/WPT</td>
<td>Windows XP, Windows eXP</td>
<td>Running PowerDVD* 8 or Windows Media Player* 11 and moving a video clip on a secondary display causes green patches.</td>
<td>No Fix (Hardware limitation)</td>
</tr>
<tr>
<td>201936</td>
<td>Atom E6xx, US15W/WP/WPT</td>
<td>Windows eXP, Windows XP</td>
<td>Slow playback when playing VC-1 videos on Windows Media Player 11 with DXVA turned on.</td>
<td>No Fix</td>
</tr>
<tr>
<td>202013</td>
<td>Atom E6xx, US15W/WP/WPT</td>
<td>Windows XP</td>
<td>Not able to turn on hardware acceleration when running DVD playback on Power DVD 8.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>202025</td>
<td>US15W/WP/WPT</td>
<td>Windows XP</td>
<td>MPEG-2 video on Windows Media Player 11 zooms in automatically when moving to secondary screen.</td>
<td>No Fix</td>
</tr>
<tr>
<td>202135</td>
<td>Atom E6xx, US15W/WP/WPT</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>Black artifacts seen on MPEG-4 videos.</td>
<td>No Fix (Hardware defect)</td>
</tr>
</tbody>
</table>
### Table 4. Errata for Intel® EMGD v1.18 (Sheet 2 of 7)

<table>
<thead>
<tr>
<th>ID</th>
<th>Impacted Platform</th>
<th>Package</th>
<th>Errata</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>202159</td>
<td>Atom E6xx</td>
<td>CED</td>
<td>CED-generated VBIOS for internal LVDS shows blank screen.</td>
<td>No Fix (Not a defect)</td>
</tr>
<tr>
<td>202173</td>
<td>US15W/XP/WPT</td>
<td>WEPOS, Windows eXP, Windows XP</td>
<td>Moving around DirectX 7/8 font.exe applications on Windows taskbar causes display corruption.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>202176</td>
<td>Atom E6xx</td>
<td>WEPOS, Windows eXP</td>
<td>Not able to run glinfo.exe due to absence of opengl32.dll and glu.dll on WEPOS and WES 2009.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>202182</td>
<td>Atom E6xx, US15W/XP/WPT</td>
<td>WEPOS, Windows XP, Windows XP</td>
<td>Icons disappear from the autorun pop-up window when using the EMGDGUI utility to change the display configuration.</td>
<td>No Fix</td>
</tr>
<tr>
<td>202195</td>
<td>Atom E6xx</td>
<td>EFI</td>
<td>System not able to boot into CMOS after being flashed with EFI video driver on Intel® Atom™ Processor E6xx Crown Bay platform.</td>
<td>No Fix (OS/AI issue)</td>
</tr>
<tr>
<td>202269</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>With PCIe by 1 discrete GPU as primary unable to install Intel® EMGD driver as secondary display.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>202331</td>
<td>Atom E6xx, US15W/XP/WPT</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>Polygon not anti-aliased with glEnable(GL_POLYGON_SMOOTH).</td>
<td>No Fix (Hardware limitation)</td>
</tr>
<tr>
<td>202351</td>
<td>Atom E6xx, US15W/XP/WPT</td>
<td>MeeGo 1.2</td>
<td>Xinerama not functioning with MeeGo.</td>
<td>No Fix (OS Issue)</td>
</tr>
<tr>
<td>202354</td>
<td>Atom E6xx, US15W/XP/WPT</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>OGL glean tests report failures.</td>
<td>No Fix</td>
</tr>
<tr>
<td>202373</td>
<td>Atom E6xx, US15W/XP/WPT</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>EMGDGUI utility always shows 1024x768 after changing display resolution.</td>
<td>No Fix (Configuration issue)</td>
</tr>
<tr>
<td>202442</td>
<td>Atom E6xx, US15W/XP/WPT</td>
<td>VBIOS</td>
<td>Screen corruption appears when entering CMOS with SDVO single display 640x480 resolution.</td>
<td>No Fix (BIOS defect)</td>
</tr>
<tr>
<td>202659</td>
<td>Atom E6xx, US15W/XP/WPT</td>
<td>Windows eXP</td>
<td>Video playback shows blank screen when using Windows Media Player with DXVA turned on.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>202689</td>
<td>Atom E6xx</td>
<td>Fedora 14</td>
<td>CH7317 VGA bypass does not work.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>202825</td>
<td>Atom E6xx, US15W/XP/WPT</td>
<td>Windows XP, Windows eXP</td>
<td>DisplayID: X &amp; Y resolution setting works only with EDID files and not with DID files.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>202843</td>
<td>Atom E6xx, US15W/XP/WPT</td>
<td>Windows XP</td>
<td>System lags when flip is enabled</td>
<td>No fix (Hardware limitation)</td>
</tr>
</tbody>
</table>
Table 4. **Errata for Intel® EMGD v1.18 (Sheet 3 of 7)**

<table>
<thead>
<tr>
<th>ID</th>
<th>Impacted Platform</th>
<th>Package</th>
<th>Errata</th>
<th>Status</th>
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<tbody>
<tr>
<td>202885</td>
<td>Atom E6xx, US15W/ WP/WPT</td>
<td>Fedora 14</td>
<td>Video lags when glxgears overlaps on top of MPlayer in rotation modes (90, 180, 270 degree)</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>202948</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>The SDVO screen is blank after the system resumes from S3 or S4.</td>
<td>No Fix (BIOS defect)</td>
</tr>
<tr>
<td>203005</td>
<td>Atom E6xx</td>
<td>Fedora 14</td>
<td>GStreamer player crashes when playing any video format in Fedora 14.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203012</td>
<td>Atom E6xx, US15W/ WP/WPT</td>
<td>Fedora 14</td>
<td>Video screen goes blank when playing video using MPlayer with hardware decode on secondary screen in Xinerama mode.</td>
<td>No Fix</td>
</tr>
<tr>
<td>203068</td>
<td>Atom E6xx</td>
<td>Fedora 14</td>
<td>Under Fedora 14, Google Earth* fails to install.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203073</td>
<td>Atom E6xx, US15W/ WP/WPT</td>
<td>Windows XP</td>
<td>Resolution setting changed in EMGDDGUI (Display Config) will not update in the Windows Display Property GUI when it is opened together with EMGDDGUI.</td>
<td>No Fix</td>
</tr>
<tr>
<td>203224</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Video may stop playing when window focus is lost.</td>
<td>No Fix (OS/API issue)</td>
</tr>
<tr>
<td>203295</td>
<td>Atom E6xx, US15W/ WP/WPT</td>
<td>MeeGo 1.2</td>
<td>White line appears while playing video with GStreamer in hardware video decode.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203309</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>Error message pops up during video playback using Windows Media Player with “Enable full-screen mode switch” option enabled.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203379</td>
<td>Atom E6xx, US15W/ WP/WPT</td>
<td>MeeGo 1.2</td>
<td>Some clutter 1.6 test applications render incorrectly.</td>
<td>No Fix</td>
</tr>
<tr>
<td>203591</td>
<td>Atom E6xx</td>
<td>Fedora 14</td>
<td>Video Encode failed halfway with hangs and returns error message when encode with display.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203647</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>Windows display properties setting and EMGDDGUI display configuration setting become out of synch when changing the display setting using both applications.</td>
<td>No Fix</td>
</tr>
<tr>
<td>203677</td>
<td>Atom E6xx</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>SDVO display flickering occurs while moving an object or playing video in certain resolutions.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203689</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>Intermittent SDVO display flickering appears in high resolution 1920 x 1200.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203697</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Lapis Semiconductor* ML7213 IOH dRGB port display flickering when running startx.</td>
<td>No Fix (Configuration issue)</td>
</tr>
<tr>
<td>203701</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Lapis Semiconductor* ML7213 IOH dRGB port becomes blank screen when switching resolution from 1366x768 to another resolution.</td>
<td>No Fix (Configuration issue)</td>
</tr>
<tr>
<td>203705</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Out of memory error occurred when playing and terminating GStreamer video multiple times.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203727</td>
<td>US15W/ WP/WPT</td>
<td>Fedora 14</td>
<td>Maximizing or resizing MPlayer while playing VC-1 video file may cause video corruption.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203749</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>1080p video appears jerky when played using GStreamer in native desktop manager.</td>
<td>No fix (Third-party defect)</td>
</tr>
</tbody>
</table>
### Table 4. Errata for Intel® EMGD v1.18 (Sheet 4 of 7)

<table>
<thead>
<tr>
<th>ID</th>
<th>Impacted Platform</th>
<th>Package</th>
<th>Errata</th>
<th>Status</th>
</tr>
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<tbody>
<tr>
<td>203751</td>
<td>Atom E6xx</td>
<td>Fedora 14</td>
<td>Third video screen goes blank and freezes when playing multiple videos using SW Decode in Xinerama mode.</td>
<td>No Fix</td>
</tr>
<tr>
<td>203760</td>
<td>Atom E6xx</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>Blank screen appears during replay of the same video using Adobe Flash.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203811</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>3DMark06 Demo application may halt when running 3DMark Demo.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203843</td>
<td>Atom E6xx</td>
<td>Fedora</td>
<td>1080p video playback is jerky with running in parallel with glxgears in full screen mode.</td>
<td>No Fix (Hardware defect)</td>
</tr>
<tr>
<td>203859</td>
<td>Atom E6xx, US15W/ WP/WPT</td>
<td>EFI, Fedora, MeeGo 1.2</td>
<td>EFI normal and fast boot fails to boot to MeeGo and Fedora.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203876</td>
<td>Atom E6xx, US15W/ WP/WPT</td>
<td>Fedora 14</td>
<td>Adobe flash video is corrupted with stripping line when played in full screen or expand mode in 13x7 with environment FLASH_USE_STRIDE=FALSE.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203886</td>
<td>Atom E6xx, US15W/ WP/WPT</td>
<td>EFI</td>
<td>Whole screen corrupted after system reboot when using EFI with EDID_avail=0x02 and single EDVO display configuration.</td>
<td>No Fix (BIOS defect)</td>
</tr>
<tr>
<td>203889</td>
<td>Atom E6xx</td>
<td>EFI</td>
<td>EFI failed to upscale and auto center when displaying in resolution larger than 800x600.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203906</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2, Windows XP</td>
<td>Hold time for i2c firmware loading for CH7036 is long, causing delay in boot up in Linux and Windows XP OS</td>
<td>No Fix</td>
</tr>
<tr>
<td>203921</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>GStreamer with vaimagesink command breaks overlay usage and defaults to blend.</td>
<td>No Fix</td>
</tr>
<tr>
<td>203964</td>
<td>Atom E6xx, US15W/ WP/WPT</td>
<td>Windows XP</td>
<td>System hangs when running 3DMark03 GT2 with anti-aliasing enabled.</td>
<td>No Fix (Hardware limitation)</td>
</tr>
<tr>
<td>203966</td>
<td>Atom E6xx, US15W/ WP/WPT</td>
<td>Fedora 14</td>
<td>H.264 video shows block artifacts when decoding with MPlayer hardware acceleration.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>203976</td>
<td>Atom E6xx</td>
<td>EFI</td>
<td>sDVO screen corruption appears in EFI Clone mode with PortOrder 42000.</td>
<td>No Fix</td>
</tr>
<tr>
<td>203996</td>
<td>Atom E6xx, US15W/ WP/WPT</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>Adobe Flash Plug-in causes blank screen when playing video on YouTube* when not in full screen mode.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>204025</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>System cannot enter standby and hibernate mode with 3D screen saver.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>204033</td>
<td>Atom E6xx</td>
<td>VBIOS</td>
<td>STM* IOH ConneXt EDVO display shows white screen upon system boot up.</td>
<td>TBD</td>
</tr>
<tr>
<td>204040</td>
<td>US15W/ WP/WPT</td>
<td>VBIOS</td>
<td>Internal LVDS shows blank screen when setup with CH7308 clone mode configuration</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>204058</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Xkill MPlayer may cause X server to terminate automatically.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>204071</td>
<td>Atom E6xx</td>
<td>Fedora 14</td>
<td>Mouse cursor lags after suspending from suspend using USB 2.0 mouse.</td>
<td>No Fix (Third-party defect)</td>
</tr>
</tbody>
</table>
## Table 4. Errata for Intel® EMGD v1.18 (Sheet 5 of 7)

<table>
<thead>
<tr>
<th>ID</th>
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</tr>
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<tbody>
<tr>
<td>204086</td>
<td>US15W/WP/WT</td>
<td>EPOG</td>
<td>EPOG Splash Screen corrupted upon system reboot.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>204096</td>
<td>US15W/WP/WT</td>
<td>Fedora</td>
<td>MPlayer freezes and crashes when moving xterm in FBBBlendOvl mode.</td>
<td>No Fix</td>
</tr>
<tr>
<td>204102</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>With LVDS configured as Extended display setup, changing sDVO display color bit depth to 8 bits using EMGDGUI causes LVDS display to become corrupted.</td>
<td>No Fix</td>
</tr>
<tr>
<td>204105</td>
<td>Atom E6xx</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>In 8-bit color depth configuration, the screen may become corrupted when dragging the IEGDGUI or terminal around the X Windows.</td>
<td>No Fix</td>
</tr>
<tr>
<td>204120</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2, Windows XP CH7036 HDMI/VGA display corrupted with vertical lines.</td>
<td>Fixed (with workaround)</td>
<td></td>
</tr>
<tr>
<td>204299</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Flickering occurs when using EGL surface sharing.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>204435</td>
<td>Atom E6xx</td>
<td>CED, VBIOS</td>
<td>EMGD 1.14 CED cannot generate 64K VBIOS for Intel Atom E6xx platform.</td>
<td>No Fix</td>
</tr>
<tr>
<td>204436</td>
<td>Atom E6xx</td>
<td>VBIOS</td>
<td>Default 64k VBIOS (vga-def.bin) file is not available in Pre_Packaged.Drivers folder.</td>
<td>No Fix</td>
</tr>
<tr>
<td>204469</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Video becomes partially green on secondary screen during playback with MPlayer in full screen VEXT mode.</td>
<td>No Fix</td>
</tr>
<tr>
<td>204499</td>
<td>Atom E6xx, US15W/WP/WT</td>
<td>Fedora 14, MeeGo 1.2 &quot;Too many video packets in the buffer&quot; message appears repeatedly on the terminal while playing MPlayer in clone mode with glxgears.</td>
<td>No Fix (Third-party defect)</td>
<td></td>
</tr>
<tr>
<td>204506</td>
<td>Atom E6xx</td>
<td>VBIOS, Fedora 14</td>
<td>System boots up with a blank screen when the system is setup with D connector for YPbPr connected to CH7022 transmitter.</td>
<td>No Fix</td>
</tr>
<tr>
<td>204572</td>
<td>Atom E6xx, US15W/WP/WT</td>
<td>MeeGo 1.2</td>
<td>Video Encode using GStreamer-0.10.35-7.1 fails to encode any raw file/UBS camera into H.264 video format.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>204579</td>
<td>Atom E6xx</td>
<td>EFI, Fedora 14</td>
<td>After using EFI to boot up the system, the system was not able to enter Hibernate mode.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>204593</td>
<td>Atom E6xx, US15W/WP/WT</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>For system with configuration of graphics driver with splash screen enabled and clone mode, the system may hang when exiting from either X, shutting down or restarting.</td>
<td>TBD</td>
</tr>
<tr>
<td>204599</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Display flickers intermittently and color becomes corrupted on sDVO-VGA display output on Crossville-Lapis Semiconductor® platform.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>204614</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>3D Mark 03 looping test causes EMGD driver to crash and revert to low bit and low resolution.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>204685</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>3D Mark 06 looping test causes EMGD driver to crash and revert to low bit and low resolution.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>204741</td>
<td>Atom E6xx</td>
<td>Fedora, MeeGo</td>
<td>When video with audio is played using MPlayer the video may freeze after resuming from suspend or hibernate modes.</td>
<td>No Fix (Third-party defect)</td>
</tr>
</tbody>
</table>
## Table 4. Errata for Intel® EMGD v1.18 (Sheet 6 of 7)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>20476</td>
<td>Atom E6xx</td>
<td>MeeGo</td>
<td>Video becomes slow when playback video using MPlayer and running 3D/OGL application simultaneously with mcompositor in single display mode.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>204967</td>
<td>Atom E6xx</td>
<td>MeeGo</td>
<td>Some video playback with macro block corruption when using default MeeGo player.</td>
<td>No Fix (Hardware limitation)</td>
</tr>
<tr>
<td>205076</td>
<td>US15W/WP /WPT</td>
<td>Windows eXP</td>
<td>Display artifact shown when using LVDS panel with pixel clock range from 75 MHz to 100 MHz.</td>
<td>TBD</td>
</tr>
<tr>
<td>205119</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>VC-1 Advance Profile @L3 video corrupted during playback using MPlayer.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>205127</td>
<td>Atom E6xx</td>
<td>EFI</td>
<td>BLDK Phase 2 (EDKII) and EFI splash screen corrupted during boot up.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>205156</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Lapis Semiconductor* ML7213 IOH dRGB display with pixel color becomes corrupted.</td>
<td>No Fix (Hardware defect)</td>
</tr>
<tr>
<td>205277</td>
<td>Atom E6xx</td>
<td>EFI, Fedora</td>
<td>Fedora Linux hangs on the S3 and on the S4 states enter due to EFI BIOS issue.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>205347</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2 IVI</td>
<td>Video playback on GStreamer with “ffdemux_mpegts” pipeline caused corruption in H.264 format.</td>
<td>TBD</td>
</tr>
<tr>
<td>205365</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>OpenGL demos corrupted when moved from primary (no rotation) to secondary screen (rotation 180 or 270 degrees) under Extended mode.</td>
<td>TBD</td>
</tr>
<tr>
<td>205397</td>
<td>Atom E6xx</td>
<td>EFI, Fedora</td>
<td>GOP driver issue when pre-allocated memory is 48MB.</td>
<td>TBD</td>
</tr>
<tr>
<td>205400</td>
<td>Atom E6xx</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>Port 4 LVDS secondary mode over scaled when setting certain resolution timings in Clone mode in port order 24000.</td>
<td>TBD</td>
</tr>
<tr>
<td>205457</td>
<td>Atom E6xx</td>
<td>Fedora 14, MeeGo 1.2 IVI</td>
<td>Display ID negative testing show the STD timing instead of user timing.</td>
<td>TBD</td>
</tr>
<tr>
<td>205471</td>
<td>Atom E6xx</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>Certain VC-1 and .wmv formats play with jerking audio and video with GStreamer audiosink.</td>
<td>No Fix (Third-party defect)</td>
</tr>
<tr>
<td>205508</td>
<td>D/N2X00, Atom E6xx, US15W/WP /WPT</td>
<td>vBIOS</td>
<td>MS DOS* application fails on Atom platforms but passes on legacy chipsets.</td>
<td>No Fix (Not a defect)</td>
</tr>
<tr>
<td>205513</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>System reboots when performing S1 with D3D OGL and playing video simultaneously in rotation mode.</td>
<td>TBD</td>
</tr>
<tr>
<td>205517</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Video remains on screen when moving it to another screen in Vertical Extended mode with FBlendovi turned on.</td>
<td>Not a defect</td>
</tr>
<tr>
<td>205521</td>
<td>Atom E6xx</td>
<td>EFI, MeeGo 1.2, Other</td>
<td>BLDK EDKII: Fail to restore from ACPI S3 and S4 properly in MeeGo 1.2.</td>
<td>TBD</td>
</tr>
<tr>
<td>205529</td>
<td>Atom E6xx</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>PNG image used as texture shows issues with OpenGL.</td>
<td>TBD</td>
</tr>
<tr>
<td>ID</td>
<td>Impacted Platform</td>
<td>Package</td>
<td>Errata</td>
<td>Status</td>
</tr>
<tr>
<td>-------</td>
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<td>------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>205536</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>In Clone mode video still remains on secondary screen when stopped playing or video finishes playing with FBlendovl turned on.</td>
<td>TBD</td>
</tr>
<tr>
<td>205555</td>
<td>Atom E6xx</td>
<td>vBIOS</td>
<td>Display corruption during boot up on Dell U2410 monitor.</td>
<td>TBD</td>
</tr>
<tr>
<td>205563</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Creating multiple pixmaps causes insufficient resources error message.</td>
<td>TBD</td>
</tr>
<tr>
<td>205582</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Certain specific MPEG4 video streams broken with green macro block.</td>
<td>TBD</td>
</tr>
</tbody>
</table>
Errata


   Reference #: 201780
   Driver: Graphics
   Package: Windows XP
   Resolution: The tearing issue has been determined to be an OS architectural limitation that cannot be fixed by the graphics driver.
   Status: No Fix (OS limitation)

2. DirectX9 application BumpEarth.exe fails to display globe scene in Extended display mode.

   Reference #: 201914
   Driver: Graphics
   Package: WEPOS, Windows eXP
   Resolution: This is expected behavior as it is an application limitation. To resolve this issue change the display to the specific device after you move an application to the extended display. Select File->Change device->Display Adapter->(choose specific device).
   Status: No Fix (Third-party defect)

3. Video unable to go full screen with “Enable full-screen mode switch” turned on in Windows Media Player 11.

   Reference #: 201924
   Driver: Graphics
   Platform: Atom E6xx
   Package: Windows XP
   Resolution: When running Windows Media Player 11 the user is not able to switch the video to full screen if the video acceleration setting "VMR" is turned off and "Enable full-screen mode switch" is turned on. This issue is not observed using the default setting where "Enable full-screen mode switch" is unchecked. This cannot be fixed by the video driver.
   Status: No Fix (Third-party defect)
4. Running PowerDVD* 8 or Windows Media Player* 11 and moving a video clip on a secondary display causes green patches.

Reference #: 201926
Driver: Graphics
Platform: US15W/WP/WPT
Package: Windows XP, Windows eXP
Resolution: This sighting occurs on the US15W platform with Clone or Extended display mode setup with Windows Media Player 11 or PowerDVD 8 playback where green patches appear when moving video clips from bottom to top in the secondary display.

This defect has been root caused to be a hardware limitation. Due to lack of Sprite C flip pending IRQ in the hardware, flip pending has to be implemented as a workaround using PIPE Vblank status. When the window is stationary, VBLANK status accurately reflects the Sprite C flip pending bit. But moving the window causes the flip status to be late, causing the Sprite C screen update to lag and green patches to appear.

Status: No Fix (Hardware limitation)

5. Slow playback when playing VC-1 videos on Windows Media Player 11 with DXVA turned on.

Reference #: 201936
Driver: Graphics
Package: Windows eXP, Windows XP
Resolution: VC-1 playback on Windows Media Player 11 uses Motion Compensation entrypoint. We cannot expect full frame-rate using Motion Compensation entrypoint.

As a workaround, run all VC-1 video on PDVD using a VLD entrypoint. This would resolve all slow-down problems seen with VC-1 on Windows Media Player.

Status: No Fix

6. Not able to turn on hardware acceleration when running DVD playback on Power DVD 8.

Reference #: 202013
Driver: Graphics
Package: Windows XP
Resolution: PowerDVD does not use hardware video decode when running DVD playback. This issue cannot be resolved in the graphic driver. Please contact CyberLink* for more details.

Status: No Fix (Third-party defect)
7. **MPEG-2 video on Windows Media Player 11 zooms in automatically when moving to secondary screen.**

Reference #: 202025  
Driver: Graphics  
Platform: US15W/WP/WPT  
Package: Windows XP  
Resolution: This issue was reported on the Intel® System Controller Hub US15W. Analysis shows that this behavior happens only on a particular test clip. This could be caused by a corruption when encoding the video clip. This issue does not occur when tested on other MPEG-2 videos. This is considered a corner case and it will not be fixed in the graphics driver.  
Status: No Fix

8. **Black artifacts seen on MPEG-4 videos.**

Reference #: 202135  
Driver: Graphics  
Package: Fedora 14, MeeGo 1.2  
Resolution: This issue occurs on decoding of MPEG-4 H.264 video bitstream with motion vector larger than 512 pixels. The use cases that might be affected are the Blu-Ray player and Internet video player, where some of the content was encoded with a non-real-time software encoder that produces bitstreams with motion vectors larger than 512 pixels. This is a hardware defect where the video decoder core does not support motion vectors larger than 512 pixels. This issue cannot be corrected in the graphics driver.  
Status: No Fix (Hardware defect)

9. **CED-generated VBIOS for internal LVDS shows blank screen.**

Reference #: 202159  
Driver: CED  
Platform: Atom E6xx  
Package: CED  
Resolution: This issue is related to the backlight setting of the internal LVDS display where the Intel® Atom™ Processor E6xx platform requires the PWM to be set in order to turn on the backlight. The PWM attribute is not set by default in the CED. To resolve this issue, please ensure that you configure the PWM attribute before generating the installation package. The PWM configuration option is available under the LVDS attribute setting page. Intel suggests that you use these values to configure PWM:  

- Intensity = 100  
- Inverter Frequency = 20300  
- backlight method = 0  

Status: No Fix (Not a defect)
10. **Moving around DirectX 7/8 font.exe applications on Windows taskbar causes display corruption.**

Reference #: 202173
Driver: Graphics
Platform: US15W/WP/WPT
Package: WEPOS, Windows eXP, Windows XP
Resolution: This appears to be a DirectX 7 runtime or application issue where the phenomenon is also found on third-party graphics boards. This issue cannot be fixed in the graphic driver.
Status: No Fix (Third-party defect)

11. **Not able to run glinfo.exe due to absence of opengl32.dll and glu.dll on WEPOS and WES 2009.**

Reference #: 202176
Driver: Graphics
Platform: Atom E6xx
Package: WEPOS, Windows eXP
Resolution: This is a third-party defect. The opengl32.dll and glu.dll are required for running the glinfo.exe, however, they are not present in WEPOS or WES 2009. One possible workaround is to copy the opengl32.dll and glu.dll from Windows XP to WEPOS or WES 2009.
Status: No Fix (Third-party defect)

12. **Icons disappear from the autorun pop-up window when using the EMGDGUI utility to change the display configuration.**

Reference #: 202182
Driver: Graphics
Package: WEPOS, Windows XP, Windows eXP
Resolution: This issue can be reproduced with following steps:
1) Insert any USB media into a USB port and let the autorun windows open.
2) Use the EMGDGUI utility to change the display configuration.
   
   This issue does not happen when using the Windows display properties to change the display configuration.
Status: No Fix

13. **System not able to boot into CMOS after being flashed with EFI video driver on Intel® Atom™ Processor E6xx Crown Bay platform.**

Reference #: 202195
Driver: EFI
Platform: Atom E6xx
Package: EFI
Resolution: This issue happens on the Intel® Atom™ Processor E6xx Crown Bay platform. The system could not enter CMOS after it was flashed with EFI video driver. Investigation results show that the system BIOS sends an invalid parameter to the EFI video driver (GOP). This issue cannot be fixed by the EFI video driver.
Status: No Fix (OS/AI issue)
14. With PCIe by 1 discrete GPU as primary unable to install Intel® EMGD driver as secondary display.

Reference #: 202269
Driver: Graphics
Platform: Atom E6xx
Package: Windows XP
Resolution: This sighting appears on the Intel® Atom™ Processor E6xx platform. When trying to install Intel® EMGD for secondary display the screen goes blank. This sighting has been root caused to a third-party GPU driver defect where it blocks Intel® EMGD installation. A possible workaround is to install the PCIe discrete GPU driver followed by installing Intel® EMGD and then rebooting the system.
Status: No Fix (Third-party defect)

15. Polygon not anti-aliased with glEnable(GL_POLYGON_SMOOTH).

Reference #: 202331
Driver: Graphics
Package: Fedora 14, MeeGo 1.2
Resolution: The hardware does not support point line or polygon anti-aliasing only full screen multi-sample anti-aliasing is supported. This is a hardware limitation that cannot be fixed in the graphics driver.
Status: No Fix (Hardware limitation)

16. Xinerama not functioning with MeeGo.

Reference #: 202351
Driver: Graphics
Package: MeeGo 1.2
Resolution: MeeGo does not support Xinerama. This issue cannot be fixed by the graphics driver.
Status: No Fix (OS Issue)

17. OGL glean tests report failures.

Reference #: 202354
Driver: Graphics
Package: Fedora 14, MeeGo 1.2
Resolution: A number of failures were observed with OGL glean tests. This issue will not be fixed in the graphics driver.
Status: No Fix
18. **EMGDGUI utility always shows 1024x768 after changing display resolution.**

Reference #: 202373  
Driver: Graphics  
Package: Fedora 14, MeeGo 1.2  
Resolution: This is expected behavior when the xorg.conf was configured with “EdidAvail” and “EdidNotAvail” both set to 4 and there is only one user-defined DTD (1024x768) for Single LVDS display.  
To avoid this behavior, add a user-defined DTD to xorg.conf, such as 6x4 or 8x6 resolution and then switch to that resolution using the EMGDGUI utility.  
Status: No Fix (Configuration issue)

19. **Screen corruption appears when entering CMOS with SDVO single display 640x480 resolution.**

Reference #: 202442  
Driver: VBIOS  
Package: VBIOS  
Resolution: This sighting is related to the system BIOS for US15W Customer Reference Board where it does not support 640x480 resolution. This defect cannot be fixed by the graphics driver.  
Status: No Fix (BIOS defect)

20. **Video playback shows blank screen when using Windows Media Player with DXVA turned on.**

Reference #: 202659  
Driver: Graphics  
Package: Windows eXP  
Resolution: This sighting appears on sDV0-CH7307 single display mode configuration. This issue is under investigation and there is no planned work around at this time.  
Status: No Fix (Third-party defect)

21. **CH7317 VGA bypass does not work.**

Reference #: 202689  
Driver: Graphics  
Platform: Atom E6xx  
Package: Fedora 14  
Resolution: This sighting reported on the Atom E6xx platform. This issue has been root caused to CH7317 hardware defect where it was not able to return the correct attached display. This issue cannot be fixed by the graphics driver.  
As a workaround, set the attribute 9= 2 (enable VGA bypass) and disable the display detect.  
Status: No Fix (Third-party defect)
22. VC-1/MPEG-2/H.264 video fails to run using PowerDVD8 on LVDS display in Extended mode.

Reference #: 202791
Driver: Graphics
Package: Windows XP, Windows eXP
Resolution: CyberLink PowerDVD 8 will not play the video with hardware decode DXVA when running in Extended configuration. This is a programming limitation in the CyberLink code. Any other player (such as Windows Media Player 11) that uses PDVD codec will encounter the same symptom. Contact CyberLink for details. This cannot be corrected by the graphics driver.
Status: No Fix (Third-party defect)

23. DisplayID: X & Y resolution setting works only with EDID files and not with DID files.

Reference #: 202825
Driver: Graphics
Package: Windows 7 XPDM, Windows XP
Resolution: The operating system uses EDID structure information to determine the preferred timing; during first boot it does not recognize DisplayID structure. The preferred timing will not be set during first boot if a non-EDID display is used. This is a third-party defect that cannot be fixed in the graphics driver.
A possible workaround is to manually set to native resolution after first boot and subsequent boots will stay with the resolution set.
Status: No Fix (Third-party defect)

24. System lags when flip is enabled

Reference #: 202843
Driver: Graphics
Package: Windows XP
Resolution: This is a hardware limitation. The driver uses blend calls when rotating and the hardware deals with them in a slow manner.
Status: No fix (Hardware limitation)

25. Video lags when glxgears overlaps on top of MPlayer in rotation modes (90, 180, 270 degree)

Reference #: 202885
Driver: Graphics
Package: Fedora 14
Resolution: This sighting appears when using MPlayer with software decode. The graphics driver has no control over the video playback in software decode, and this performance is expected when running in rotated mode. This is a third-party defect that cannot be fixed by the graphics driver.
Status: No Fix (Third-party defect)
26. **The sDVO screen is blank after the system resumes from S3 or S4.**

Reference #: 202948  
Driver: Graphics  
Platform: Atom E6xx  
Package: Windows XP  
Resolution: Using Crown Bay with Shell Bay Fab 2 revision C and AMI* BIOS 0ABTN019.rom the sDVO screen is blank after the system resumes from S3 or S4. This has been determined to be BIOS defect. Please contact AMI for more details or use 0ABTN020 or later version.  
Status: No Fix (BIOS defect)

27. **GStreamer player crashes when playing any video format in Fedora 14.**

Reference #: 203005  
Driver: Graphics  
Platform: Atom E6xx  
Package: Fedora 14  
Resolution: Change the Xlib 1.3.4 version to Xlib 1.3.3 so that GStreamer works without crashing.  

1. Download the libX11-1.3.3 source from http://cgit.freedesktop.org/xorg/lib/libX11/snapshot/libX11-1.3.3.tar.bz2  
2. On Fedora 14, install the X transport development package that is needed by the libX11:  
   
   ```
   yum install xorg-x11-xtrans-devel xorg-x11-util-macros xorg-x11-proto-devel libxcb-devel
   ```

3. Execute the following commands:  
   ```
   tar -jxvf libX11-1.3.3.tar.bz2  
   cd libX11-1.3.3  
   ./autogen.sh --prefix=/usr  
   tar -jxvf libX11-1.3.3.tar.bz2  
   cd libX11-1.3.3  
   ./autogen.sh --prefix=/usr  
   make  
   make install
   ```

Status: No Fix (Third-party defect)

28. **Video screen goes blank when playing video using MPlayer with hardware decode on secondary screen in Xinerama mode.**

Reference #: 203012  
Driver: Graphics  
Package: Fedora 14  
Resolution: The issue occurs when dragging the video from the primary screen across the secondary screen; the video becomes blank in the secondary screen. Intel® EMGD does not support vaPutSurface() function under Xinerama when video playback is on a non-primary display. Although accelerated decode may still work, the presentations of the frame will fail. This issue will not be fixed in the graphics driver.  
Status: No Fix
29. **Under Fedora 14, Google Earth* fails to install.**

Reference #: 203068

Driver: Graphics

Platform: Atom E6xx

Package: Fedora 14

Resolution: This appears to be an incompatibility between Google Earth’s installer and MeeGo and Fedora. This has been determined to be a third-party defect that cannot be fixed by the graphics driver. A possible workaround is to manually install Google Earth using these steps:

Run

```
./GoogleEarthLinux.bin --keep
```

You will get the same messages and crash already reported but now the unpacked installer data will not be automatically removed.

Run

```
cd GoogleEarthLinuxPlus-6.0.1.2032-installer
./setup.data/bin/Linux/x86/setup.gtk
```

Follow the directions to install and then run Google Earth as usual.

Status: No Fix (Third-party defect)

30. **Resolution setting changed in EMGDGUI (Display Config) will not update in the Windows Display Property GUI when it is opened together with EMGDGUI.**

Reference #: 203073

Driver: Graphics


Package: Windows XP

Resolution: Close and re-open the properties window and the resolution will be updated.

Status: No Fix
31. **Video may stop playing when window focus is lost.**

Reference #: 203224  
Driver: Graphics  
Platform: Atom E6xx  
Package: MeeGo 1.2  
Resolution: This issue is related to the use of XVideo with composite mode enabled. For video playback using XVideo, the overlay plane is used by default for display video output. When composite mode is enabled and focus is out of the video overlay plane, the overlay plane becomes blank. Due to some X manager issues, the overlay plane does not work well when composite mode is on. When a window is moved on top of the video overlay plane and moved out from the video plane, the overlapped region on the overlay plane becomes blank. This is due to the X manager not reporting the overlapping area of as a “dirty” region causing the graphics driver’s failure to repaint the colorkey in the overlapping area. This issue cannot be fixed in the graphics driver.

If usage of XVideo with composite mode is required, Intel recommends using blend instead of overlay by turning off the overlay in the `xorg.conf` file as follows:

```
Option "ALL/1/General/vxvideo" "0"
```

Note that the overlay will never initialize if this option is turned off in `xorg.conf`. You should turn on this option if overlay is required.

Status: No Fix (OS/API issue)

32. **White line appears while playing video with GStreamer in hardware video decode.**

Reference #: 203295  
Driver: Graphics  
Package: MeeGo 1.2  
Resolution: This issue occurs when playing an H.264 video clip using GStreamer with the MI-X plug-in. The MediaInfo tool reported the video clip resolution as 720x350, however when MI-X is used the source and destination height passed to EMGD is 352, which is wrong. The error causes the 351st row to be displayed with a white line. This has been determined to be a third-party defect that cannot be fixed by graphics driver.

Status: No Fix (Third-party defect)

33. **Error message pops up during video playback using Windows Media Player with “Enable full-screen mode switch” option enabled.**

Reference #: 203309  
Driver: Graphics  
Platform: Atom E6xx  
Package: Windows XP  
Resolution: Enable full-screen mode switch under Windows Media Player option may change the resolution of the monitor when viewing videos in full-screen mode. This option is principally used for older graphics or video cards. Investigation result shows that access violations happen when using Windows Media Player. This issue has been determined to be a third-party defect that cannot be fixed by graphics driver. Please contact Microsoft for details.

Status: No Fix (Third-party defect)
34. **Some clutter 1.6 test applications render incorrectly.**

Reference #: 203379  
Driver: Graphics  
Package: MeeGo 1.2  
Resolution: This sighting appears when running Clutter 1.6 on MeeGo 1.2 OS. This issue will not be fixed in the graphics driver.  
Status: No Fix  

35. **Video Encode failed halfway with hangs and returns error message when encode with display.**

Reference #: 203591  
Driver: Graphics  
Platform: Atom E6xx  
Package: Fedora 14  
Resolution: Video encoding hangs halfway through the encode time for both Rawfile and USB camera for all the formats (H.264, MPEG-4) when encoding with display (need-display=1). However, the encoding works fine without display (need-display=0).  
A possible solution is to change the Xlib 1.3.4 version to Xlib 1.3.3 so that GStreamer encoding works without hanging. Refer to the User Guide for the libX11-1.3.3 installation steps.  
Status: No Fix (Third-party defect)  

36. **Windows display properties setting and EMGDGUI display configuration setting become out of synch when changing the display setting using both applications.**

Reference #: 203647  
Driver: Graphics  
Platform: Atom E6xx  
Package: Windows XP  
Resolution: This issue is due to the OS having its own display and rotation registry while the graphics driver has its own display resolution and rotation registry which is not aware of the OS. Therefore, the Windows display properties setting and EMGDGUI display configuration setting become un-synced when changing the display setting using both applications.  
For a workaround, please use only one of the applications, either EMGDGUI or Windows Display Properties for your configuration. Do not use both applications at the same time.  
Status: No Fix
37. **SDVO display flickering occurs while moving an object or playing video in certain resolutions.**

Reference #: 203677  
Driver: Graphics  
Platform: Atom E6xx  
Package: Fedora 14, MeeGo 1.2  
Resolution: With E6xx B1 Stepping Crown Bay CRB and AMI BIOS 0ABTN027 display, flickering occurs on SDVO port (primary display) in Clone and D1H modes after switching to certain resolution such as 1280x1024, 1400x1050, or 1600x900 followed by moving an object on the desktop, such as EMGDGUI or a playback video. This issue has been root caused to AMI BIOS 0ABTN027 issue. Please use BIOS 0ABTN028 or later version.  
Status: No Fix (Third-party defect)

38. **Intermittent SDVO display flickering appears in high resolution 1920 x 1200.**

Reference #: 203689  
Driver: Graphics  
Platform: Atom E6xx  
Package: Windows XP  
Resolution: This issue is observed on E6XX B1 Crown Bay CRB and it has been root caused to a BIOS issue. Please use 0ABTN028.rom or later version.  
Status: No Fix (Third-party defect)

39. **Lapis Semiconductor* ML7213 IOH dRGB port display flickering when running startx.**

Reference #: 203697  
Driver: Graphics  
Platform: Atom E6xx  
Package: MeeGo 1.2  
Resolution: This appears to be panel timing configuration issue. Please contact Lapis Semiconductor* (formerly OKI) for DTD setup and application note reference for your design.  
Status: No Fix (Configuration issue)

40. **Lapis Semiconductor* ML7213 IOH dRGB port becomes blank screen when switching resolution from 1366x768 to another resolution.**

Reference #: 203701  
Driver: Graphics  
Platform: Atom E6xx  
Package: MeeGo 1.2  
Resolution: This appears to be panel timing configuration issue. Please contact Lapis Semiconductor* (formerly OKI) for DTD setup and application note reference for your design.  
Status: No Fix (Configuration issue)
41. Out of memory error occurred when playing and terminating GStreamer video multiple times.

Reference #: 203705
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2
Resolution: To replicate this issue, with MeeGo 1.2 running GStreamer with H.264 video, terminate the video playback using kill <PID>, repeating the same step (Play and terminate) multiple times. An "out of memory" error occurs.

This appears to be GStreamer issue where it does not call vaDestroyContext and vaTerminate when the process is killed; hence the graphics driver does not free up the resource created for the video context. After a few time of process killing, the driver runs out of memory. This is a third-party defect that cannot be fixed by graphics driver.

Status: No Fix (Third-party defect)

42. Maximizing or resizing MPlayer while playing VC-1 video file may cause video corruption.

Reference #: 203727
Driver: Graphics
Platform: US15W/WP/WPT
Package: Fedora 14
Resolution: This issue is caused by MPlayer sending a wrong frame for decoding during mode change. This is a third-party defect that cannot be fixed in the graphics driver.

Status: No fix (Third-party defect)

43. 1080p video appears jerky when played using GStreamer in native desktop manager.

Reference #: 203749
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2
Resolution: While playing an H.264 1080p video with MeeGo 1.2 native desktop, the playback is jerky and slow. The Corewatcher application takes about 50% of CPU, which causes this issue. To enable smooth video playback, stop the Corewatcher application.

Status: No fix (Third-party defect)

44. Third video screen goes blank and freezes when playing multiple videos using SW Decode in Xinerama mode.

Reference #: 203751
Driver: Graphics
Platform: Atom E6xx
Package: Fedora 14
Resolution: A third video screen goes blank and freezes on a secondary display when playing multiple videos using SW Decode in Xinerama mode; however, when the video screen is moved to the primary screen, it works fine. This issue does not occur in Clone or DIH mode. Intel® EMGD does not support rendering under Xinerama when video playback is on a NON primary display. This is an expected behavior and will not be fixed.

Status: No Fix
45. **Blank screen appears during replay of the same video using Adobe Flash.**

Reference #: 203760  
Driver: Graphics  
Platform: Atom E6xx  
Package: Fedora 14, MeeGo 1.2  
Resolution: This issue may appear when playing video using Adobe Flash 10.1 on Fedora 14, Firefox 3.6, or MeeGo 1.2 with Chromium V11. To reproduce, try playing a video from http://www.youtube.com, replay the same video that you have played by clicking on the **Replay** button, and notice that the video screen may remain blank but the "seek" bar is moving. This issue is determined to be related to Adobe flash plug-in and it cannot be corrected by the graphics driver.

Status: No Fix (Third-party defect)

46. **3DMark06 Demo application may halt when running 3DMark Demo.**

Reference #: 203811  
Driver: Graphics  
Platform: Atom E6xx  
Package: Windows XP  
Resolution: The third application freezes when using 3DMark Demo with a default setting of 1280x1024 resolution. This is a 3DMark Demo application issue. When the application tries to call a create surface procedure with pixel format D3DFMT_R32F and the driver returns an "out of memory" event, the application fails to handle it and halts. To avoid the application halting, use 640x480 resolution for Demo test.

Status: No Fix (Third-party defect)

47. **1080p video playback is jerky with running in parallel with glxgears in full screen mode.**

Reference #: 203843  
Driver: Graphics  
Platform: Atom E6xx  
Package: Fedora  
Resolution: Video playback may be jerky with DIH display mode running glxgears in full screen mode on LVDS 1366x768 display or while running 1080p H.264 video on SDVO-CH7022 1900x1200 resolution. This has been determined to be a hardware memory bandwidth limitation that cannot be fixed in the graphics driver.

Status: No Fix (Hardware defect)

48. **EFI normal and fast boot fails to boot to MeeGo and Fedora.**

Reference #: 203859  
Driver: EFI, Graphics  
Package: EFI, Fedora, MeeGo 1.2  
Resolution: This sighting appears when using AMI BIOS 0ABTN032 for the E6xx platform and BIOS CBDRU019 for the US15W platform. Investigation results show that AMI BIOS has a compatibility issue with elilo boot loader. This appears to be an AMI BIOS issue that cannot be fixed in graphics driver. For the E6xx platform, please ensure you use AMI BIOS version 33 or above. For the US15W platform, please contact AMI for details.

Status: No Fix (Third-party defect)
49. Adobe flash video is corrupted with stripping line when played in full screen or expand mode in 13x7 with environment FLASH_USE_STRIDE=FALSE.

Reference #: 203876
Driver: Graphics
Package: Fedora 14
Resolution: This sighting has been determined to be caused by an Adobe plug-in that generates a bad subpicture which causes the target video playback screen to become corrupted. This cannot be corrected by the graphics driver.
Status: No Fix (Third-party defect)

50. Whole screen corrupted after system reboot when using EFI with EDID_avail=0x02 and single sDVO display configuration.

Reference #: 203886
Driver: EFI
Package: EFI
Resolution: With EFI and AMI BIOS version 32 setup, the screen becomes corrupted after system reboot when using a monitor with resolution 1920x1080. This issue has been determined to be a BIOS issue where the BIOS does not support 1920x1080 mode. This is a third-party defect that cannot be fixed in the graphics driver.
Status: No Fix (BIOS defect)

51. EFI failed to upscale and auto center when displaying in resolution larger than 800x600.

Reference #: 203889
Driver: EFI
Platform: Atom E6xx
Package: EFI
Resolution: This is an expected behavior when Atom E6xx is used with AMI BIOS. The AMI BIOS for Atom E6xx currently supports up to 800x600 resolution. Any configuration of resolution higher than 800x600 will cause the display to fall back to 640x480 resolution. For example, if 800x600 resolution is configured in EMGD CED, then this resolution will be used, resulting in a full screen 800x600 setup screen. If 800x600 is not configured, then 640x480 resolution will be used for the setup window being centered on the screen. This has been determined to be a limitation of AMI BIOS for Atom E6xx; please contact AMI for details.
Status: No Fix (Third-party defect)

52. Hold time for i2c firmware loading for CH7036 is long, causing delay in boot up in Linux and Windows XP OS

Reference #: 203906
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2, Windows XP
Resolution: This issue will not be fixed in the graphics driver.
Status: No Fix
53. **GStreamer with vaimagesink command breaks overlay usage and defaults to blend.**

Reference #: 203921
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2
Resolution: This issue is related to vaimagesink and cannot be fixed in the graphics driver. A possible workaround is to use MixVideoSink.
Status: No Fix

54. **System hangs when running 3DMark03 GT2 with anti-aliasing enabled.**

Reference #: 203964
Driver: Graphics
Package: Windows XP
Resolution: When running the 3DMark03 GT2 application with anti-aliasing, the GPU might halt randomly when rendering 3D scenes. The display driver will continually wait when the GPU halts, causing the screen not to be updated and to freeze. This has been determined to be a GPU hardware limitation that cannot be fixed in the graphics driver.
Status: No Fix (Hardware limitation)

55. **H.264 video shows block artifacts when decoding with MPlayer hardware acceleration.**

Reference #: 203966
Driver: Graphics
Package: Fedora 14
Resolution: This appears to be an MPlayer issue. For P-Frame, mplayer-vaapi passes in one more reference frames in picture parameters than expected. Because the number of reference frames is not the correct total the decode engine needed, it causes black artifacts during video playback. This is a third-party defect that cannot be fixed in the graphics driver.
Status: No Fix (Third-party defect)

56. **sDVO screen corruption appears in EFI Clone mode with PortOrder 42000.**

Reference #: 203976
Driver: EFI
Platform: Atom E6xx
Package: EFI
Resolution: With EFI clone mode setup and port order 42000 (LVDS primary and SDVO secondary), the LVDS screen works well while the SDVO screen shifts to the right. There is no hardware downscale and render scaling is not available in EFI, therefore it is expected that the sDVO screen may shift to the right. This is an expected behavior that will not be fixed in the graphics drivers.
Status: No Fix
57. **Adobe Flash Plug-in causes blank screen when playing video on YouTube* when not in full screen mode.**

Reference #: 203996  
Driver: Graphics  
Package: Fedora 14, MeeGo 1.2  
Resolution: This has been determined to be caused by a Flash player plug-in issue. Under normal screen mode the player does not call the video output API (`iegd_put_surface`) to render the decoded video. This issue cannot be fixed in the graphics driver.  
Status: No Fix (Third-party defect)

58. **System cannot enter standby and hibernate mode with 3D screen saver.**

Reference #: 204025  
Driver: Graphics  
Platform: Atom E6xx  
Package: Windows XP  
Resolution: This is a known issue where the system cannot enter Standby or Hibernate mode if a Direct3D-based screen saver is running. Please contact Microsoft for details.  
Status: No Fix (Third-party defect)

59. **STM* IOH ConneXt sDVO display shows white screen upon system boot up.**

Reference #: 204033  
Driver: VBIOS  
Platform: Atom E6xx  
Package: VBIOS  
Resolution: This issue is under investigation and there is no planned workaround at this time.  
Status: TBD

60. **Internal LVDS shows blank screen when setup with CH7308 clone mode configuration**

Reference #: 204040  
Driver: VBIOS  
Platform: US15W/WP/WPT  
Package: VBIOS  
Resolution: This is a system BIOS defect and will be closed as a third party defect. For future reference, the fix for the system BIOS is available from BIOS vendors.  
Status: No Fix (Third-party defect)
61. **Xkill MPlayer may cause X server to terminate automatically.**

Reference #: 204058
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2
Resolution: By using MeeGo 1.2 TWM desktop manager, left click and select kill option to kill the MPlayer (or open a new terminal and type xkill), noticed MPlayer killed with error message. Xterm may malfunction after few times of executing the xkill command. This issue has been root caused to MPlayer issue where the MPlayer did not handle xkill properly. The appropriate command to terminate MPlayer is using "kill -9 <MPlayer's PID>". This issue cannot be fixed by the graphics driver.
Status: No Fix (Third-party defect)

62. **Mouse cursor lags after resuming from suspend using USB 2.0 mouse.**

Reference #: 204071
Driver: Graphics
Platform: Atom E6xx
Package: Fedora 14
Resolution: This sighting was observed even without the Intel® EMGD module loaded. Investigation determined that the issue is caused by the EHCI driver. This is a third-party defect that cannot be fixed in the graphics driver.

A possible workaround is to disable the EHCI, which is enabled by default in Fedora. To disable EHCI:

1. Search Device:
   
   ```
   # lspci | grep -i ehci
   ```

2. Disable:

   ```
   # echo -n < PCI device address> /sys/bus/pci/drivers/ehci_hcd/unbind
   ```

Status: No Fix (Third-party defect)

63. **EPOG Splash Screen corrupted upon system reboot.**

Reference #: 204086
Driver: EPOG
Platform: US15W/WP/WPT
Package: EPOG
Resolution: This issue has been root caused to a mismatch between the Linux OS configuration and the underlying services provided by the BLDK. Handover between the OS and BLDK is not properly handled when the system reboots, causing the EPOG splash screen to become corrupted. This is a third-party defect that cannot be fixed in the EPOG driver.
Status: No Fix (Third-party defect)
64. **MPlayer freezes and crashes when moving xterm in FBBlendOvl mode.**

Reference #: 204096  
Driver: Graphics  
Platform: US15W/WP/WPT  
Package: Fedora  
Resolution: To use software 2D and enable the system to get more bandwidth, add the following option to `xorg.conf`:

```
"ALL/1/General/fbblit" "0"
```

Status: No Fix

65. **With LVDS configured as Extended display setup, changing sDVO display color bit depth to 8 bits using EMGDGUI causes LVDS display to become corrupted.**

Reference #: 204102  
Driver: Graphics  
Platform: Atom E6xx  
Package: Windows XP  
Resolution: LVDS shows black and white bitmap as an expected behavior. The 8-bit wallpaper is used by the OS to paint the primary display and the same bitmap is used to paint the 32-bit extended LVDS display; thus the LVDS display shows a black and white desktop.  
Status: No Fix

66. **In 8-bit color depth configuration, the screen may become corrupted when dragging the IEGDGUI or terminal around the X Windows.**

Reference #: 204105  
Driver: Graphics  
Platform: Atom E6xx  
Package: Fedora 14, MeeGo 1.2  
Resolution: This issue will not be fixed in the graphics driver.  
Status: No Fix
67. CH7036 HDMI/VGA display corrupted with vertical lines.
Reference #: 204120
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2, Windows XP
Resolution: If you observed vertical line on the CH7036, please do following:
   - If the default quality enhance option is unchecked, perform the following two steps:
     1. Click to select the quality enhance option (now it should be checked).
     2. Click Apply.
     The vertically line should go away.
   - If the quality enhance option is checked and you still see the line, a bit toggling might be needed. Please perform following steps:
     1. Clear the check mark from the quality enhance option.
     2. Click Apply.
     3. Click to select the quality enhance option (now it should be checked).
     4. Click Apply.
     Now, the lines should go away.
Status: Fixed (with workaround)

68. Flickering occurs when using EGL surface sharing.
Reference #: 204299
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2
Resolution: When two navigation applications are running simultaneously, one in full screen and another on top of it in windowed mode, the windowed mode application may experience continuous flickering. Investigation has determined that this is a third-party application defect that cannot be fixed by graphics driver.
Status: No Fix (Third-party defect)

69. EMGD 1.14 CED cannot generate 64K VBIOS for Intel Atom E6xx platform.
Reference #: 204435
Driver: VBIOS
Platform: Atom E6xx
Package: CED, VBIOS
Resolution: Intel® EMGD CED cannot build 64K VBIOS for the Intel® Atom™ processor E6xx Series (through adding flag "-64VBIOS" in emgd_ced.ini). You will notice a message “GenerationException: VBIOS not built”. From Intel® EMGD v1.14 onward, the 64K VBIOS for Intel® Atom™ processor E6xx Series is no longer available due to the file size reaching the 64K limit; new features added in VBIOS increased the file size over 64K. If you require a 64K VBIOS, please consider using Intel® EMGD v1.10.
Status: No Fix
70. Default 64k VBIOS (vga-def.bin) file is not available in Pre_Packaged.Drivers folder.

Reference #: 204436
Driver: VBIOS
Platform: Atom E6xx
Package: VBIOS
Resolution: Intel® EMGD v1.14 64K VBIOS for Intel® Atom™ processor E6xx Series is no longer available due to the file size reaching the 64K limit; new features added in VBIOS increased the file size over 64K. If you require a 64K VBIOS, please consider using Intel® EMGD v1.10.
Status: No Fix

71. Video becomes partially green on secondary screen during playback with MPlayer in full screen VEXT mode.

Reference #: 204469
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2
Resolution: For VEXT mode, the driver does not support User Interface, OGL, or video element straddling two screens. This issue will not be fixed in the graphics driver.
Status: No Fix

72. “Too many video packets in the buffer” message appears repeatedly on the terminal while playing MPlayer in clone mode with glxgears.

Reference #: 204499
Driver: Graphics
Package: Fedora 14, MeeGo 1.2
Resolution: This occurs when running MPlayer with “-ao alsa” opinion together with the glxgear application. When running MPlayer with audio option enabled and glxgear simultaneously, the MPlayer allocated video buffer size is larger than the threshold while processing video and audio data, causing the warning message to appear. This is a hardware limitation that cannot be fixed by the graphics driver.
Status: No Fix (Third-party defect)

73. System boots up with a blank screen when the system is setup with D connector for YPbPr connected to CH7022 transmitter.

Reference #: 204506
Driver: Graphics
Platform: Atom E6xx
Package: VBIOS, Fedora 14
Resolution: The VBIOS does not enable CH7022 YPbPr support. Please contact your field representative for more details.
Status: No Fix
74. **Video Encode using GStreamer-0.10.35-7.1 fails to encode any raw file/UBS camera into H.264 video format.**

Reference #: 204572  
Driver: Graphics  
Package: MeeGo 1.2  
Resolution: gst-plugins-good-0.10.30-5.2.i586 (libgstrtp.so file) has a defect to parse “stream-format” when its value is “avc”, so it cannot find a cap to continue the encoding process. This is a third-party defect that cannot be fixed in the graphics driver.  
Status: No Fix (Third-party defect)

75. **After using EFI to boot up the system, the system was not able to enter Hibernate mode.**

Reference #: 204579  
Driver: EFI  
Platform: Atom E6xx  
Package: EFI, Fedora 14  
Resolution: After the system boots up from EFI, in X Windows, click **System, Shut down**, and then **Hibernate**. The screen becomes black and the system hangs. Issue is closed as a third party defect because it is possibly caused by EFI BIOS issue.  
Status: No Fix (Third-party defect)

76. **For system with configuration of graphics driver with splash screen enabled and clone mode, the system may hang when exiting from either X, shutting down or restarting.**

Reference #: 204593  
Driver: Graphics  
Package: Fedora 14, MeeGo 1.2  
Resolution: This issue does not occur when configured with Single display mode. You may consider using Single display mode or disabling the splash screen as a temporary workaround.  
Status: TBD

77. **Display flickers intermittently and color becomes corrupted on sDVO-VGA display output on Crossville-Lapis Semiconductor* platform.**

Reference #: 204599  
Driver: Graphics  
Platform: Atom E6xx  
Package: MeeGo 1.2  
Resolution: Try to change the output signal strength value from 4mA to 12 mA and/or dump resisters that are inserted between ML7213 and the LCD panel. The wiring of Data/Clock and Blank signals of dRGB are little bit too long.  
Status: No Fix (Third-party defect)
78. **3D Mark 03 looping test causes EMGD driver to crash and revert to low bit and low resolution.**

Reference #: 204614  
Driver: Graphics  
Platform: Atom E6xx  
Package: Windows XP  
Resolution: 3D Mark 03 was developed for single benchmark runs or a few repeated benchmark runs in batch-run mode; it is not recommended for loop test. This issue has been determined to be a third-party defect that cannot be fixed by graphics driver. Please contact Futuremark for more details.

Status: No Fix (Third-party defect)

79. **3D Mark 06 looping test causes EMGD driver to crash and revert to low bit and low resolution.**

Reference #: 204685  
Driver: Graphics  
Platform: Atom E6xx  
Package: Windows XP  
Resolution: 3D Mark 06 was developed for single benchmark runs or a few repeated benchmark runs in batch-run mode; it is not recommended for loop test. If loop test is required, Intel recommends using a "scripted loop." For example, create a Windows script that executes new runs of 3D Mark 06 from the command line (without loop mode on) repeatedly where the benchmark is restarted after each cycle. This issue has been determined to be a third-party defect that cannot be fixed by graphics driver. Please contact Futuremark for more details.

Status: No Fix (Third-party defect)

80. **When video with audio is played using MPlayer the video may freeze after resuming from suspend or hibernate modes.**

Reference #: 204741  
Driver: Graphics  
Platform: Atom E6xx  
Package: Fedora, MeeGo  
Resolution: This appears to be an MPlayer issue when processing the audio buffer and audio sync. Suspending or hibernating will cause audio drops (buffer underrun) and thus cause the MPlayer to stop playback video after resuming. This has been determined to be a third-party defect that cannot be fixed in the graphics driver.

Status: No Fix (Third-party defect)
81. **Video becomes slow when playback video using MPlayer and running 3D/OGL application simultaneously with mcompositor in single display mode.**

Reference #: 204796
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo
Resolution: While running video using MPlayer and 3D/OGL application simultaneously with mcompositor in single display mode the video playback becomes slow. This appears to be an mcompositor issue where it notifies the MPlayer to use blend to render the pictures instead of using overlay, causing the video playback to become slow. This is a third-party defect that cannot be fixed in the graphics driver.
Status: No Fix (Third-party defect)

82. **Some video playback with macro block corruption when using default MeeGo player.**

Reference #: 204967
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo
Resolution: This has been determined to be a hardware decoder limitation on the Atom E6xx platform. If the video bitstream with motion vector is larger than 512 pixels the macroblock in that region will look distorted. This issue cannot be fixed in graphics driver.

As a workaround, use software decode in these situations or avoid video encode techniques that exceed 512 pixels of the vertical motion vector.
Status: No Fix (Hardware limitation)

83. **Display artifact shown when using LVDS panel with pixel clock range from 75 MHz to 100 MHz**

Reference #: 205076
Driver: Graphics
Platform: US15W/ WP/WPT
Package: Windows eXP
Resolution: Setting the attribute **Spread Spectrum Clock** to value 3 resolves the issue. Setting the attribute to any value from 3 to 9 except 6 also works.
Status: TBD
Errata—Intel® EMGD

84. VC-1 Advance Profile @L3 video corrupted during playback using MPlayer.

Reference #: 205119
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2
Resolution: The video file 14-IntelPeople1080i_wmv_001.wmv has some frames encoded in Interlaced frame/field mode.

MPlayer cannot play the video properly because it is using ffmpeg for video decoding and the interlaced frame/field mode decoding implementation is incomplete. Because the problem is due to MPlayer/ffmpeg open source code, this will not be fixed in the graphics driver.

Status: No Fix (Third-party defect)

85. BLDK Phase 2 (EDKII) and EFI splash screen corrupted during boot up.

Reference #: 205127
Driver: EFI
Platform: Atom E6xx
Package: EFI
Resolution: The workaround for this issue is to use Microsoft Paint* to convert SplashScreenPng2.png to a 24-bit .bmp file.

Status: No Fix (Third-party defect)

86. Lapis Semiconductor* ML7213 IOH dRGB display with pixel color becomes corrupted.

Reference #: 205156
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2
Resolution: Try to change the output signal strength value from 4mA to 12 mA and/or dump resistors that are inserted between ML7213 and the LCD panel. The wiring of Data/Clock and Blank signals of dRGB are little bit too long.

Status: No Fix (Hardware defect)

87. Fedora Linux hangs on the S3 and on the S4 states enter due to EFI BIOS issue.

Reference #: 205277
Driver: EFI
Platform: Atom E6xx
Package: EFI, Fedora
Resolution: This is an EFI system BIOS issue as the EFI time retrieval function hangs the process of S3/S4 entering. This issue is caused by the system BIOS and cannot be fixed in the graphics driver. Please contact AMI for more information.

Status: No Fix (Third-party defect)
<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
<th>Reference #</th>
<th>Driver</th>
<th>Platform</th>
<th>Package</th>
<th>Resolution</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>88.</td>
<td>Video playback on GStreamer with “ffdemux_mpegts” pipeline caused corruption in H.264 format.</td>
<td>205347</td>
<td>Graphics</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2 IVI</td>
<td>This issue is under investigation and there is no planned workaround at this time.</td>
<td>TBD</td>
</tr>
<tr>
<td>89.</td>
<td>OpenGL demos corrupted when moved from primary (no rotation) to secondary screen (rotation 180 or 270 degrees) under Extended mode.</td>
<td>205365</td>
<td>Graphics</td>
<td>Atom E6xx</td>
<td>Windows XP</td>
<td>This issue is under investigation and there is no planned workaround at this time.</td>
<td>TBD</td>
</tr>
<tr>
<td>90.</td>
<td>GOP driver issue when pre-allocated memory is 48MB.</td>
<td>205397</td>
<td>EFI</td>
<td>Atom E6xx</td>
<td>EFI, Fedora</td>
<td>The issue is the screen will become entirely white with nothing on it when the EFI BIOS with GOP driver built-in boots into bds phase and sets the graphics mode to 1024*768. This issue happens only when the igd pre-allocated memory is set to 48 M. Other values such as 8M, 16M, 32M, and 64M do not have such issues. This issue is under investigation and there is no planned work around at this time.</td>
<td>TBD</td>
</tr>
<tr>
<td>91.</td>
<td>Port 4 LVDS secondary mode overscaled when setting certain resolution timings in Clone mode in port order 24000.</td>
<td>205400</td>
<td>Graphics</td>
<td>Atom E6xx</td>
<td>Fedora 14, MeeGo 1.2</td>
<td>Port 4 (LVDS) becomes overscaled when setting certain resolution timing in Clone mode in port order 24000 on certain resolutions. Display appeared to be overscaled (not rendered scaled or panning). A few tested resolution are: Port 2 = 1152x864 1280x960 1280x1024 Port 4 = 1366x768 This issue is under investigation and there is no planned work around at this time.</td>
<td>TBD</td>
</tr>
</tbody>
</table>
92. **Display ID negative testing show the STD timing instead of user timing.**

Reference #: 205457
Driver: Graphics
Platform: Atom E6xx
Package: Fedora 14, MeeGo 1.2 IVI
Resolution: This issue is under investigation and there is no planned work around at this time.
Status: TBD

93. **Certain VC-1 and .wmv formats play with jerking audio and video with GStreamer audiosink.**

Reference #: 205471
Driver: Graphics
Platform: Atom E6xx
Package: Fedora 14, MeeGo1.2
Resolution: Certain VC-1 and .wmv formats play with jerking audio and video with GStreamer using either MixvideoSink or Vaimagesink.

Observation is that video plays with audio and video jerking or with audio playing a few seconds after the video starts.

Some of these issues are caused by improper GSTreamer pipeline. There will not be a fix in graphics driver.
Status: No Fix (Third-party defect)

94. **MS DOS* application fails on Atom platforms but passes on legacy chipsets.**

Reference #: 205508
Driver: vBIOS
Platform: D/N2X00, Atom E6xx, US15W/WP/WPT
Package: vBIOS
Resolution: When an MS DOS application is running in graphics mode the application handles painting the image. The distortion observed is caused by the application and this cannot be fixed in the graphics driver.
Status: No Fix (Not a defect)

95. **System reboots when performing S1 with D3D OGL and playing video simultaneously in rotation mode.**

Reference #: 205513
Driver: Graphics
Platform: Atom E6xx
Package: Windows XP
Resolution: When playing a video file, running a Dx9 SDK application and an OGL demo simultaneously in 90-degree rotation mode and then performing an ACPI S1, the system resumes with reboot or blue screen.

This issue is under investigation and there is no planned work around at this time.
Status: TBD
96. **Video remains on screen when moving it to another screen in Vertical Extended mode with FBlendovl turned on.**

Reference #: 205517  
Driver: Graphics  
Platform: Atom E6xx  
Package: MeeGo1.2  
Resolution: This issue is impacting MPlayer and GSstreamer. Dragging a window from one screen to another is not a requirement and this will not be fixed.  
Status: Not a defect

97. **BLDK EDKII: Fail to restore from ACPI S3 and S4 properly in MeeGo 1.2.**

Reference #: 205521  
Driver: EFI  
Platform: Atom E6xx  
Package: EFI, MeeGo 1.2, Other  
Resolution: After the system boots with BLDK EDKII successfully on MeeGo 1.2, the system hangs when the system is restored from ACPI S3. In another case when system is restored from ACPI S4 system booted up properly but failed to restore to the state before S4.  
Status: TBD

98. **PNG image used as texture shows issues with OpenGL.**

Reference #: 205529  
Driver: Graphics  
Platform: Atom E6xx  
Package: Fedora 14, MeeGo 1.2  
Resolution: With a .png image is used as a texture image by OpenGL I/F, there are some pixel anomalies on the .png images. Pixel anomalies go away if DRI2 is turned off with `xorg.conf` configuration.  
Status: TBD
99. In Clone mode video still remains on secondary screen when stopped playing or video finishes playing with FBlendOvl turned on.

Reference #: 205536
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2
Resolution: Video remains on a secondary screen when it stops playing or when the video finishes playing in Clone mode with FBlendOvl turned on in xorg.conf as below:

Option "ALL/1/General/FbBlendOvl" "1"

The same defect is observed in GStreamer vaimagesink MixVideoSink and MPlayer.
This issue is under investigation and there is no planned work around at this time.

Status: TBD

100. Display corruption during boot up on Dell U2410 monitor.

Reference #: 205555
Driver: vBIOS
Platform: Atom E6xx
Package: vBIOS
Resolution: This issue is under investigation and there is no planned work around at this time.
Status: TBD

101. Creating multiple pixmaps causes insufficient resources error message.

Reference #: 205563
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2
Resolution: This issue is under investigation and there is no planned work around at this time.
Status: TBD

102. Certain specific MPEG4 video streams broken with green macro block.

Reference #: 205582
Driver: Graphics
Platform: Atom E6xx
Package: MeeGo 1.2
Resolution: The symptom can be easily reproduced by playing media files via USB stick. However, playing the media locally on the hard disk can serve as a workaround.
This issue is under investigation and there is no planned work around at this time.
Status: TBD
Issues Closed in Version 1.18

Issues that have been either resolved or for some other reason are no longer considered open in the current software version are included here.

Table 5. Resolved Issues

<table>
<thead>
<tr>
<th>ID</th>
<th>Impacted Platform</th>
<th>Package</th>
<th>Errata</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>205326</td>
<td>Atom E6xx</td>
<td>VBIOS</td>
<td>Blank screen on sDVO device occurred except on Chrontel* CH7317 (VGA) and Chrontel* CH7317 (VGA / TV) when all sDVO devices are selected.</td>
<td>Fixed</td>
</tr>
<tr>
<td>205548</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Tearing on iBox screen when running Navi + iBox concurrently</td>
<td>Fixed</td>
</tr>
<tr>
<td>205549</td>
<td>Atom E6xx</td>
<td>MeeGo 1.2</td>
<td>Camera blinking on foreground with trying next video playback on background.</td>
<td>Fixed</td>
</tr>
</tbody>
</table>