Intel® Turbo Boost Technology Driver

Release Notes

February 2010

Revision 1.1.1.1007

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Revision History

Package Definition	Intel® Intelligent Power Sharing Driver Revision	Release Date
1.1.0 PV	1.1.1.1007	February 16, 2010
1.1.0 PV	1.1.0.1005	February 5, 2010
1.0.1 PV	1.0.1.1003	December 9, 2009
1.0.1 PV	1.0.1.1002	November 6, 2009
1.0 PV	1.0.0.1030	October 20, 2009

1 Introduction

1.1 Supported Operating Systems

- Microsoft Windows 7* x32 Edition (RTM Build 7600)
- Microsoft Windows 7* x64 Edition (RTM Build 7600)
- Microsoft Windows Vista* x32 Edition (Ultimate SP2)
- Microsoft Windows Vista* x64 Edition (Ultimate SP2)
- Microsoft Windows XP* x32 Edition (Professional SP3)
- Microsoft Windows XP* x64 Edition (Professional SP2)

Basic Acceptance Tests (BAT) was performed on all the above mentioned Operating Systems. The Platform and Functional tests were performed on Microsoft Windows Vista* x32, Microsoft Windows Vista* x64 and Microsoft Windows XP* x32 Editions. Stress tests were performed on Microsoft Windows Vista* x64 and Microsoft Windows XP* x32 Editions. Some of the stress tests were also performed on Microsoft Windows Vista* x32 Edition.

1.2 Supported Intel® Integrated Graphics Driver [IGD]

- For Microsoft Windows Vista*, please use IGD version 15.17.2078 or later
- For Microsoft Windows XP*, please use IGD version 14.42.5229 or later
- For Microsoft Windows 7*, please use IGD version 15.17.2078 or later.

1.3 Supported Intel® Turbo Boost Technology Installation Configurations

Table 1 Installation Combinations

Installer	Integrated Graphics SKU	Discrete Graphics SKU	Switchable Graphics SKU
Independent	NO	YES	YES
Combined	YES	NO	NO

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2 Feature Set

Table 2 Feature Set

Feature	Description
32-bit OS support	Support for Microsoft® Windows Vista x32 Edition (SP2), XP, and Windows 7.
64-bit OS support	Support for Microsoft® Windows Vista x64 Edition (SP2), XP, and Windows 7.
Intel® Brand-string Identification	Support for processor detection based upon the Intel® Corporation brand-string.

3 Issues – Fixed in this release

Table 3 All Issues fixed in the 1.1.1.1007 Release PV

Reference No:	Description
N/A	Please see Intel® Integrated Graphics Driver Release Notes for a description of the supported driver fixes.
3357184	DTM:System-Common Scenario Stress With IO Fail

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4 Issues – Fixed in previous releases

Table 4 All Issues fixed in the 1.1.0.1005 PV Release

Reference No:	Description
N/A	Please see Intel® Integrated Graphics Driver Release Notes for a description of the supported driver fixes.
3289904	Turbo status not restored after S-state testing occasionally
3290257	GFX Turbo is improperly disabled with CPU reporting feature stopping

Table 5 All Issues fixed in the 1.0.1.1002 PV Release

Reference No:	Description
N/A	Please see Intel® Integrated Graphics Driver Release Notes for a description of the supported driver fixes.
3289904	Turbo status not restored after S-state testing occasionally
3290257	GFX Turbo is improperly disabled with CPU reporting feature stopping

Table 6 Issues fixed in the 1.0.0.1030 PV Release

Reference No:	Description
N/A	Please see Intel® Integrated Graphics Driver Release Notes for a description of the supported driver fixes.
3175833	Turbo Boost driver reports CPU Turbo status as on when disabled in BIOS when configured EC through SMBUS
3177288	Turbo Boost driver changes processor temperature limit back to default
3177300	Instantaneous GMCH power exceeds GMCH platform limit
3177315	Instant CPU power exceeds CPU platform limit
3290143	OS hangs coming out of S3 when AC power is introduced
3290293	System hang during S3 cycles when USB Controller changes

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