

Intel® Turbo Boost Technology Monitor Software 1.03

Production Version 1.0.186.6

November 2009

LEGAL INFORMATION

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL® PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER, AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

UNLESS OTHERWISE AGREED IN WRITING BY INTEL, THE INTEL PRODUCTS ARE NOT DESIGNED NOR INTENDED FOR ANY APPLICATION IN WHICH THE FAILURE OF THE INTEL PRODUCT COULD CREATE A SITUATION WHERE PERSONAL INJURY OR DEATH MAY OCCUR.

Intel may make changes to specifications and product descriptions at any time, without notice. Designers must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined." Intel reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them. The information here is subject to change without notice. Do not finalize a design with this information.

The products described in this document 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.

Contact your local Intel sales office or your distributor to obtain the latest specifications and before placing your product order.

This document contains information on products in the design phase of development.

All products, platforms, dates, and figures specified are preliminary based on current expectations, and are subject to change without notice. All dates specified are target dates, are provided for planning purposes only and are subject to change.

This document contains information on products in the design phase of development. Do not finalize a design with this information. Revised information will be published when the product is available. Verify with your local sales office that you have the latest datasheet before finalizing a design.

Code names featured are used internally within Intel to identify products that are in development and not yet publicly announced for release. Customers, licensees and other third parties are not authorized by Intel to use code names in advertising, promotion or marketing of any product or services and any such use of Intel's internal code names is at the sole risk of the user.

Intel and the Intel logo are trademarks of Intel Corporation in the U.S. and other countries.

*Other names and brands may be claimed as the property of others.

Copyright © 2009, Intel Corporation. All rights reserved.

Table of Contents

Content	Page
Intel® Turbo Boost Technology Monitor Release Notes.....	3
Brief Description	3
Package Contents.....	3
Supported Operating Systems:	3
Supported Processors:	3
Supported languages	3
Installation Instructions	4
Determining the installed version	4
New Features.....	4
Known Issues	5
Resolved Issues	5

Intel® Turbo Boost Technology Monitor Release Notes

Brief Description

The Turbo Boost Monitor application is a Microsoft Windows® Sidebar gadget that shows when Intel® Turbo Boost Technology is active.

Package Contents

The following files are included in this release.

File Name	Components
TurboBoost Monitor SW License 100509.DOC	General License agreement
TurboBoostSetup.exe	Unified 64-bit and 32-bit Application installer
TurboBoost Monitor ReleaseNotes v1.03.pdf	This Document

Supported Operating Systems:

Microsoft* Windows Vista 32bit & 64-bit editions with Service Pack 1 & 2.

Microsoft Windows 7 32bit & 64bit editions.

Supported Processors:

Intel® Core™ i7 Extreme Processor

Intel® Core i7™ Processor

Intel® Core™ i5 Processor

Supported languages

ENGLISH

FRENCH

CHINESE SIMPLIFIED

CHINESE TRADITIONAL

DANISH

GERMAN

SPANISH

FINNISH

ITALIAN

JAPANESE

KOREAN

DUTCH

NORWEGIAN

PORTUGUESE (BRAZIL)

PORTUGUESE (PORTUGAL)

SWEDISH

Installation Instructions

1. Regular Installation

- a. Copy the file TurboBoostSetup.exe to your system.
- b. Double click on TurboBoostSetup.exe. Accept the UAC prompt, if one appears.
- c. Follow the installer prompt instructions to complete installation.
- d. If installing on the Windows Vista operating system, double click the 'Intel® Turbo Boost Technology Monitor' gadget in the gadget gallery that pops up to install the gadget to the Windows Sidebar. This is automatically done on Windows 7

2. Silent Installation

- a. Execute the setup file via the command line:
TurboBoostSetup.exe /s /v/qn

Determining the installed version

To determine the version of the Intel® Turbo Boost Technology Monitor that is installed on the system, open the file properties of the TurboBoostCtrl.dll file located in \Program Files\Intel\TurboBoost.

New Features

Features Added in Intel® Turbo Boost Technology Monitor v1.03	
Reference No.	Title / Description
3095 3100 3107 3129	While Turbo Boost Monitor is executing, it periodically estimates the host clock frequency and rereads the maximum Turbo ratios. If the user changes these attributes (e.g using overclocking utility) , Turbo Boost Monitor changes the current frequency it displays to reflect these changes
3892	Check for Turbo Mode enabled via BIOS during installation has been removed. Added more descriptive error messages for BIOS and CPU support of Turbo Mode in the Monitor UI. With this change, the Turbo Monitor will install on all supported operating systems, but will not show turbo activity on processors which do not support Intel Turbo Boost Technology

Known Issues

Reference #	Description
3701	<p>If the Turbo Boost Monitor is removed from the Windows Sidebar, reinstalling doesn't restore the gadget.</p> <p>Workaround: The application has not been uninstalled, installer should not be run. Restore the gadget by selecting from Windows Gadget Gallery (Ctrl-G OR right click on desktop, select Gadgets or click Sidebar Properties in the Control Panel)</p>
3286	<p>If the application is uninstalled while the Monitor is running, an error message is displayed.</p> <p>Workaround: Close the Monitor before or after uninstalling the application.</p>
3331	<p>If Intel® Speedstep Technology is disabled in system BIOS, no Turbo Boost activity appears in the application. This is expected behavior.</p> <p>Workaround: Enable SpeedStep in the System BIOS.</p>
3808	<p>Uninstall and/or new install of the Turbo Boost Monitor package may result in two copies of the gadget shown together in Sidebar</p> <p>Workaround: Manually close one of the gadgets, this change then persists across reboots.</p>
3509	<p>Turbo Boost Monitor driver is still visible in Windows Device Manager after uninstalling the application.</p> <p>Workaround: Manually uninstall the driver through Device Manager.</p>

Resolved Issues

Reference #	Description
3923	The processor badge is displayed in the "Turbo Boost Technology Monitor has encountered a problem" screen
4079	Desktop gadget gallery description text for the gadget in details section has been updated
4232	Changed the translation of 'Technology' in German Language to "Technik"
	Turbo frequency text in display bar for some European languages (German, Italian...) is now visible