



# **Intel® Turbo Boost Max Technology 3.0**

**Production Version  
Maintenance Release 3 (MR3)**

**Release Notes**

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**September 2016**

## Introduction



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# Revision History

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Package Definition	Intel® Turbo Boost Max Technology 3.0 Driver Revision	Intel® Turbo Boost Max Technology 3.0 Application Revision	Release Date
Production Version Maintenance Release 3 (MR3) Release	1.0.0.1029	1.0.1.8	September, 2016
Production Version Maintenance Release 2 (MR2) Release	1.0.0.1027	1.0.1.6	June, 2016
Production Version Maintenance Release 1 (MR1) Release	1.0.0.1025	1.0.1.5	May, 2016
Production Version (PV) Release	1.0.0.1024	1.0.1.1	April, 2016
Production Candidate (PC) Release	1.0.0.1023	1.0.1.0	March, 2016
Beta Release	1.0.0.1019	(To be shipped in future)	January, 2016



# 1 Introduction

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## 1.1 Supported Operating Systems

This package supports the following Operating Systems (OS).

- Microsoft Windows\* 10 x64 Edition
- Microsoft Windows\* 8.1 x64 Edition
- Microsoft Windows\* 7 x64 Edition

## 1.2 Supported Processors

This package supports the following processor families:

- Intel® Core™ i7-69xx/68xx processor family for socket LGA 2011-v3 (single socket only)
- Intel® Xeon® E5-1600 v4 product family (single socket only)

## 1.3 Supported BIOS

Please refer to the BKC to get the updated version.

## 1.4 Supported Microcode Firmware

Please refer to the BKC to get the updated version.

## 1.5 Supported Collaterals

Please refer to the supporting documents mentioned below for the latest update on Intel® Turbo Boost Max Technology 3.0.

- Broadwell HEDT Platform Performance Tuning Guide



## 2 Intel® Turbo Boost Technology 3.0 Driver & Control Panel Application Installation

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### 2.1 BIOS Setup

Refer to the Broadwell Platform Performance Tuning Guide for any BIOS setup instructions for Intel TBMT 3.0 (TBMT for brevity) installation/operation.

For TBMT driver installation, please ensure that ACPI BIOS exposes the device with Plug-and-Play ID **INT3510** to the Operating System.

### 2.2 Intel® Turbo Boost Technology 3.0 Driver/Application Installation

1. **Important:** Uninstall previous version of TBMT Driver/Application before installing this version of TBMT Driver/Application.
  - o Go to Windows Control Panel, Programs, Uninstall a Program, and uninstall any previous version of Intel® Turbo Boost Max Technology 3.0 software.
  - o Reboot the system.
2. Boot to Windows normally (not in Safe mode).
  - o **Note:** For Windows 7 OS, ensure Microsoft security update **KB3033929** is installed prior to TBMT driver/application installation. Without this update, driver installation may encounter warning messages from Operating System. This security update is not necessary for Windows 8 or later Windows Operating Systems.
3. Unzip the TBMT Driver/Control Panel Application package.
4. In Windows explorer, Right-click on INF file and select Install.
  - o **Note:** If Install option is not available in Windows Explorer, go to Device Manager, Locate the device that has Hardware ID INT3510, and Update Driver Software by pointing to this INF.
5. After successful installation, reboot the system.

### 2.3 Intel® Turbo Boost Technology Driver Installation Verification Steps

Verify TBMT Driver Installation in Device Manager.

1. Go to Device Manager, System Devices



2. Check if **Intel® Turbo Boost Max Technology 3.0 Driver** exists and is not yellow banded
3. Close Device Manager

## **2.4 Intel® Turbo Boost Technology Control Panel Application Installation Verification Steps**

Following installation and reboot, verify TBMT Control Panel Application installation as described in this section.

### **2.4.1 Windows\* 10, 8, 8.1, 7**

#### **2.4.1.1 Start Menu**

Verify presence of TBMT Control Panel Application shortcut in Windows\* Start Menu.

1. Launch Start Menu, All apps
2. Check if **Intel® Turbo Boost Max Technology 3.0** app group exists
3. Under **Intel® Turbo Boost Max Technology 3.0**, check if **Intel TBMT Control Panel** shortcut exists



## **3**      ***Tools Support***

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TBD



## **4      *New features / Enhancements***

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<b>Reference No:</b>	<b>Description</b>
1208830586	GUI to add asset for Intel Logo on Main Form



## 5 Issues – Fixed in this Release (since last official release)

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**Table 1. Fixed Issues**

Reference No:	Description
1207803268	ITBM registry settings are not updated while switching between Windows user accounts.
1208555268	ITBM UI blocks all other windows/apps from being foreground to the user
1207607419	Application is missing Context Sensitive Help Support
1208822926	ITBM logo in 'About' dialogue box appears to be broken/distorted
1208827875	"About" popup window's content text is overlapped with Icon
1208529726	McAfee WSS R6 (High Thread Count) + ITBM encounters OS Hang
1208919486	ITBM 1029 - LEAKED_POOL detection encountered during PNP tests.



## 6 Issues – Known in this Release

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**Table 2. Known Issues**

Reference No:	Description
n/a	Intel® Turbo Boost Max Technology 3.0 driver shows yellow bang in device manager if system is booted in safe mode. This is expected as Intel® Turbo Boost Max Technology 3.0 driver is not designed to work in safe mode and therefore is not an issue.
n/a	Intel® Turbo Boost Max Technology 3.0 help file doesn't launch when selected (or on F1 selection) within the TBMT Control Panel. As a workaround, right-click on TBMT Control Panel in Start Menu, Open File Location and double-click the ITBM.chm file to open the help file.

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