



Intel[®] Dynamic Platform and Thermal Framework (Intel[®] DPTF), Client Version 8.X

8.1.10300.137 PV Release

Release Notes

March 2015



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Revision History

Package Definition	Intel® Dynamic Platform and Thermal Framework (Intel® DPTF) Software Package Revision	Release Date
8.0 Alpha	8.0.10200.80	November, 2014
8.0 Pre-Beta	8.0.10500.90	December, 2014
8.0 Pre-Beta and Beta	8.0.10500.99	December, 2014
8.1 PV Candidate	8.1.10300.137	March, 2015
8.1 Production Version	8.1.10300.137	March, 2015

Note: Intel® DPTF 8.X version represents the DPTF Client 8.X package version.

Intended Audience

The target audiences for the release notes are OEM/ODM platform thermal and HW engineers, BIOS and System Software engineers, HW ingredient (WLAN, WiGig, WWAN, Wireless Charger, NVMe, AHCI, Storage, Camera) procurement and design engineers.

Customer Support

- For technical support, including questions not addressed in this release note, submit your requests to: <http://pcdc.intel.com>
- To submit an issue, go to Intel® Premier Support: <http://businessportalcons.intel.com>
- For more information on registering to Intel Premier Support, go to: <http://software.intel.com/en-us/articles/performance-tools-for-software-developers-intel-premier-support>





1 Introduction

1.1 Supported Operating Systems

This package supports following Operating Systems (OS).

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

Note: This is the information for validated platforms. For a complete list of supported hardware and operating systems, please contact your Intel representative.

1.2 Supported Hardware

- Cherryview processor with Braswell platforms.

Note: This version of Intel® DPTF only supports Intel Mobile Platforms. This is the information for validated platforms. For a complete list of supported hardware and operating systems, please contact your Intel representative.

1.3 Supported BIOS

- BIOS version 61.2 or newer.

Note: This is the information for validated platforms. Please refer to the BKC to get the updated version.

1.4 Supported KSC

- KSC version 1.08 or newer.

Note: This is the information for validated platforms. Please refer to the BKC to get the updated version.



1.5 Supported Intel® Integrated Graphics Driver [IGD]

Please refer to the BKC to get the updated version.

1.6 Supported Collaterals

Please refer to the below mentioned supporting documents for the latest update on DPTF.

- Intel® Dynamic Platform and Thermal Framework (Intel® DPTF) 8.0 BIOS Writers Guide, CDI/IBL Doc#541817
- Intel® Dynamic Platform and Thermal Framework (Intel® DPTF) V8.x 201, CDI/IBL Doc#556073
- 2015 Intel® Dynamic Platform and Thermal Framework (Intel® DPTF) v8.x, Implementation Guide v1.0, CDI/IBL Doc#557619



2 *Installation and Configuration Guide*

2.1 Intel® DPTF 8.X Software Stack Installation Guide

2.1.1 BIOS Setup Guide

Intel® DPTF team has verified with RVP BIOS version 61.2 on Braswell CRB for the setup.

- 1) Reboot the system and enter BIOS setup screen.
- 2) Go to "Device Manager", then "System Setup".
- 3) Enter "CPU Configuration", then "CPU Power Management" page.
 - a. Make sure "Intel(R) SpeedStep(tm)" is enabled.
 - b. Make sure "Intel® Turbo Boost Technology" is enabled.
- 4) Enter "Thermal ", then "Intel® Dynamic Platform & Thermal Framework" page.
 - a. Enable "DPTF".
 - b. Most everything will be pre-configured, so change settings as desired.
 - i. Disable "FAN1 Device" and "Active Policy".
- 5) Save and Exit.



2.1.2 Intel® DPTF Software Stack Installation

- 1) Install the Chipset and Graphic driver.
- 2) Unzip the DPTF install package "DPTF.zip".
- 3) Run the setup.exe from within the DPTF Software Installation package. This will install the DPTF 8.X software that is need on production systems. Any utilities including testing / debug tools for OEMs use will not be installed in this operation.

2.1.3 Driver Behavioral Considerations

- Windows service Wudfpf.sys is not loaded in the beginning sometimes might cause DPTF device INT3400 unable to be loaded at the first time. Windows will try to load the driver again once Wudfpf.sys is loaded. There will be a warning event (ID: 219) found in event viewer, WUDFRd failed to load DPTF device. If the driver is installed successfully, the message could be ignored.



3 Tools Support

Table 1. Tool Support

Feature	Description
DPTF Observation Tool	<p>DPTF Observation Tool (index.html) is provided to monitor and test DPTF 8.X functionality for OEMs development / system validation use.</p> <p>After installing the DPTF 8.X software stack, the user can run the tool and observe the policies, participants and temperature changes.</p>



4 *Feature Set – New to this release*

- None



5 Issues – Fixed in this Release

Table 2. Fixed Issues

Reference No:	Description
	Fix setup issue where no failure is prompted when installing in a non-Admin account with UAC disabled.
	Resolved issue where ESIF was reporting invalid participant state changes under heavy load.
	Resolved issue where the system would shut down due to incorrect temperature readings if S3 was entered shortly after boot.



6 *Issues – Known in this Release*

Table 3. Known Issues

Reference No:	Description	Impact	Workaround
	Issues exist opening UI locally using IE11.	Monitor UI sometimes can't work normally.	Use another browser or connect to UI remotely.