



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

8.1.10600.147 PC/PV Release

Release Notes

June 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	8.0.10300.88	December, 2014
8.1 Beta	8.1.10000.122	February, 2015
8.1 PC/PV	8.1.10600.147	June, 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 Edition
- Microsoft Windows* 7 x32 Edition
- Microsoft Windows* 10 x64 Edition

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

- Skylake ULX/ULT processor.

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 84 or newer for SKL Y Fab2 RVP3.
- BIOS version 84.2 or newer for SKL U Fab1 RVP7.

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

1.4 Supported KSC

- KSC version 1.13 or newer for SKL Y Fab2 RVP3 and SKL U Fab1 RVP7.

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
- 2014 Intel® Technology Training Program - DPTF201: Intel® Dynamic Platform and Thermal Framework (Intel® DPTF) v8.x, CDI/IBL Doc#542329
- DPTF8.0 301 Intel® Dynamic Platform and Thermal Framework (Intel® DPTF) v8.0, CDI/IBL Doc#546192
- Course DPTF101: Intel® Dynamic Platform and Thermal Framework (Intel® DPTF) v8.x – Seminars / Technical Training Material, CDI/IBL Doc#550089
- 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 v1.2, 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 84.0 on Skylake Y CRB for the setup.

- 1) Reboot the system and enter BIOS setup screen.
- 2) Go to "Intel Advanced Menu".
- 3) Enter "Power & Performance", then "CPU – Power Management Control" page.
 - a. Make sure "Intel(R) SpeedStep(tm)" is enabled.
 - b. Make sure "Turbo Mode" is enabled.
- 4) Enter "Thermal Configuration ", then "DPTF Configuration" page.
 - a. Enable "DPTF".
 - b. Most everything will be pre-configured, so change settings as desired.
- 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.
- 4) The tool package "Tool.zip" contains DPTF observation tool "index.html". For instructions, please refer to Section 2.2.

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*

- No HDC policy support aligns with SKL platform POR update.



5 *Issues – Fixed in this Release*

Table 2. Fixed Issues

Reference No:	Description
5635621	DPTF Install error on Windows 7 32 bit (YB on DPTF Manager driver).
5635429	AP Policy user experience: You can't get to the APCT and APAT tables in standard user mode.
1205700098	Installer creates OSPM/DPPE based on selected policies enabled in BIOS.(LPM policy, ConfigTDP policy, Cooling policy, and HDC policy)



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.
1206370543	Windows*7 x64 : DPTF install fails to run when path to the installer with a space in account name.	Driver can't be installed successfully.	To create an admin user with no spaces in the username. Customer can follow above procedure to install DPTF and delete the account if desired.