



Intel® Dynamic Platform and Thermal Framework (Intel® DPTF), Client Version 8.2

8.2.11001.3279 Production Version Release

Release Notes

November 2016



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Contents

1	Introduction	5
	1.1 Supported Operating Systems	5
	1.2 Supported Hardware	5
	1.3 Supported BIOS.....	5
	1.4 Supported KSC	5
	1.5 Supported Intel® Integrated Graphics Driver [IGD]	5
	1.6 Supported Collaterals	6
2	Installation and Configuration Guide	7
	2.1 Intel® DPTF 8.2 Software Stack Installation Guide	7
	2.1.1 BIOS Setup Guide.....	7
	2.1.2 Intel® DPTF Software Stack Installation	8
	2.1.3 Driver Behavioral Considerations	8
3	Tools Support.....	9
4	Feature Set – New to this release	10
5	Issues – Fixed in this Release.....	11
6	Issues – Known in this Release.....	12

Tables

Table 1. Tool Support.....	9
Table 2. Fixed Issues	11
Table 3. Known Issues	12



Revision History

Package Definition	Intel® Dynamic Platform and Thermal Framework (Intel® DPTF) Software Package Revision	Release Date
8.2 Alpha for Kaby Lake	8.2.10200.246	December, 2015
8.2 for WW04 Kaby Lake BKC	8.2.9999.2178	January, 2016
8.2 Beta for Kaby Lake and Apollo Lake	8.2.10400.287	February, 2016
8.2 PC/PV for Kaby Lake and Apollo Lake	8.2.10900.330	May, 2016
8.2 Win10 RS1 WHQL for Kaby Lake and Apollo Lake	8.2.11000.2996	August, 2016
8.2 Win10 RS1 and TH2 PV for Kaby Lake and Apollo Lake	8.2.11001.3279	November, 2016

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

- 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* 10 x64 Edition RS1, TH2

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

- Kaby Lake platforms.
- Apollo Lake 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

Please refer to the BKC to get the latest version.

1.4 Supported KSC

Please refer to the BKC to get the latest version.

1.5 Supported Intel® Integrated Graphics Driver [IGD]

Please refer to the BKC to get the latest 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.x BIOS Writers Guide, CDI/IBL Doc#541817
- Intel® Dynamic Platform and Thermal Framework (Intel® DPTF) V8.x 201, CDI/IBL Doc#556073
- 2016 Intel® Dynamic Platform and Thermal Framework Client 8.x Configuration Guide , CDI/IBL Doc#564030
- Intel® Dynamic Platform and Thermal Framework (Intel® DPTF) Microsoft* Windows OS - Software Guide, CDI/IBL Doc#560749



2 *Installation and Configuration Guide*

2.1 Intel® DPTF 8.2 Software Stack Installation Guide

2.1.1 BIOS Setup Guide

Please make sure DPTF is enabled in your BIOS setup menu.

- 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 and find the folder "DPTF".
- 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 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> <p>Note: This package doesn't contain non-production use files. The tool is not included in the package, please contact your Intel representative to get it. (Collateral ID : 1014283)</p>



4 *Feature Set – New to this release*

- PID policy for KBL only.



5 *Issues – Fixed in this Release*

Table 2. Fixed Issues

Reference No:	Description
1209003009	System will BSOD with Bug check 0xD5 during uninstall with Verifier ON.
1208881014	BSOD 0x3B sometimes occurred when some application query the information from DPTF driver via WMI interface while doing factory image download



6 *Issues – Known in this Release*

Table 3. Known Issues

Reference No:	Description	Impact	Workaround
-	Opening DPTF UI locally using Microsoft Edge browser does not work	-	Use another browser, such as Internet Explorer, or connect to UI remotely from another system