



Intel® Dynamic Tuning Technology (Intel® DTT), Client Version 8.7

8.7.10700.22502 Win 11, Win10 20H1 H2 Release

Release Notes

August 2021



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Revision History

Package Definition	Intel® Dynamic Tuning Technology Software Package Revision	Release Date
TGL H PV	DTT_8.7.10700.22502	August, 2021

Intended Audience

The target audiences for the release notes are OEM/ODM platform thermal and hardware engineers, BIOS and system software engineers, component ingredient (WiFi PSM, WWAN, NVMe Storage, Camera) procurement and design engineers.

1 *Introduction*

1.1 Supported Operating Systems

This package supports following Operating Systems.

- Microsoft Windows* 11x64 Edition
- Microsoft Windows* 10 x64 Edition 19H1
- Microsoft Windows* 10 x64 Edition 19H2
- Microsoft Windows* 10 x64 Edition 20H1

Note: This is the information for validated platforms at ingredient level. For a complete list of supported hardware and operating systems, please refer to platform BKC or contact your Intel representative.

1.2 Supported Hardware

- Jasper Lake Platforms

Note: This is the first version for Intel® Dynamic Tuning Technology to supports Intel Desktop Platforms. This is the information for validated platforms at ingredient level. For a complete list of supported hardware and operating systems, please refer to platform BKC or contact your Intel representative.

1.3 Supported BIOS

Please refer to the BKC to get the latest version.

1.4 Supported EC

Please refer to the BKC to get the latest version.

1.5 Supported Intel® Graphics Driver

Please refer to the BKC to get the latest version.

1.6 Supported Collaterals

- Intel® Dynamic Tuning Technology 8.x BIOS Specification#613332
- 2020 Intel® Dynamic Tuning Configuration Guide#618762
- Intel® Dynamic Tuning Feature Enabling Guide#572349
- Intel® Dynamic Tuning De-commissioning LPM, CMP, cTDP Policies Technical Advisory#598735
- Intel® Dynamic Tuning Decommissioning IA-P/T State GFX P State Control Technical Advisory WW13, 2019#610760

2 *Installation and Configuration Guide*

2.1 Intel® Dynamic Tuning Technology 8.x Software Stack Installation Guide

2.1.1 BIOS Setup Guide

Please make sure Intel® Dynamic Tuning Technology 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 "Intel(R) Dynamic Tuning Configuration" page.
 - a. Enable "Intel(R) Dynamic Tuning".
 - b. Most everything will be pre-configured, so change settings as desired.
- 5) Save and Exit.

2.1.2 Intel® Dynamic Tuning Technology Software Stack Installation

- 1) Install the Chipset and Graphic driver.
- 2) Unzip the Intel® Dynamic Tuning Technology package from BKC.
- 3) Run the setup.exe from within the folder. This will install Intel® Dynamic Tuning Technology 8.x software that is needed 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, and sometimes might cause Intel® Dynamic Tuning Technology 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 Intel® Dynamic Tuning Technology device. If the driver is installed successfully, the message could be ignored.

3 *Tools Support*

Table 1. Tool Support

Feature	Description
Intel® Dynamic Tuning Technology Configuration Tool	Intel® Dynamic Tuning Technology Configuration Tool is provided to monitor and test Intel® Dynamic Tuning Technology 8.x functionality for OEMs development / system validation use. After installing the Intel® Dynamic Tuning Technology 8.x software stack, the user can run the tool and observe the policies, participants and temperature changes. Capture all the settings as one file. 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 : 1024333)

4 Feature Set – New to this release

- WWAN 5G Support
- Remove manager logging in ESIF
- Changed thermal monitor trace message to warning level

5 *Issues – Fixed in this Release*

Table 2. Fixed Issues

Reference No:	Description
-	Fixed Double WOA popups on CS exit
	Fixed Block dimming/lock/display off during CS

6 *Issues – Known in this Release*

Table 3. Known Issues

Reference No:	Description	Impact	Workaround