



Intel® Dynamic Tuning Technology (Intel® DTT), Client Version 9.1.10003.555

Release Notes

December 2025

Revision DTT- 9.1.10003.555

Microsoft Windows* 10/11 x64

Panther Lake Platform

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Revision History

Revision Number	Description	Revision Date
9.1.10003.555	• Panther Lake H404/H484/H12Xe Consumer and Corporate Production Candidate(PC) Software Package (Microsoft Windows 11 25H2-64 bit) WW49-2025	December 2025
9.1.10001.173	• Panther Lake H12Xe/H404/H484(QS) Consumer and Corporate Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2/24H2-64 bit) WW42-2025 • Panther Lake H12Xe/H404/H484(ES2) Consumer and Corporate Best Known Configuration (BKC) Software Package (Microsoft Windows 11 25H2/24H2-64 bit) WW42-2025	October 2025
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1 *Release Kit Summary*

1.1 Release Kit Details

Kit Release	DTT- 9.1.10003.555
Target Platform	PTL
Contents	Intel® Dynamic Tuning Technology
Minimum Required IPF Version	2.2.10204
Recommended IPF Version	2.3.20200

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2 General Information

2.1 Important Notes

2.2 Intel® DTT 9.x Software Stack Installation Guide

2.2.1 BIOS Setup Guide

Please make sure DTT 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® SpeedStep®" is enabled.
 - b. Make sure "Turbo Mode" is enabled.
4. Enter "Thermal Configuration ", then "Intel® Dynamic Tuning Technology Configuration" page.
 - a. Ensure "Intel® Dynamic Tuning Technology" show as "Enabled".
 - b. Most everything will be pre-configured, so change settings as desired.
5. Save and exit.

2.2.2 Intel® DTT Software Stack Installation

1. Install the Chipset and Graphic driver.
2. Install IPF infs. Once Installation is complete it will show under "System Devices" of Device Manager.
3. Install DTT infs. It will show under software components
4. Install DTT UI infs.
5. Reboot your system.
6. Make sure no device yellow bang in device manager.
7. Open <http://localhost:8888> in HTML5 web browser and press "Ctrl+F5" to reload.

NOTES:

Refer DTT CG #[607821](#) for IPF and DTT installation steps.

- For DTT use DTT UI and for development of tools using IPF use IPF UI.
- UI is only for tuning purposes, no need to install on end-user system.

Ingredient	Description
IPF Windows SDK	This is IPF EF SDK only. For development using IPF EF.
IPF Windows Setup	This is the IPF package to use for RPL and beyond. It contains both IPF Core and EF components. Need for DTT and CST.
IPF Core SDK	This is IPF Core SDK package only – no EF SDK. This is for development purpose contains IPF core SDK primitive commands.

2.2.3 Driver Behavioral Considerations

- Windows service Wudfpf.sys is not loaded in the beginning sometimes might cause DTT device INT3400 unable to be loaded at first. 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 DTT device. If the driver is installed successfully, the message could be ignored.

2.3 Intel® DTT 9.x Configuration Tool Configuration Guide

For OEMs testing, validation, and system performance optimization purposes, Intel is providing a tool (Configuration Tool, or UI tool for DTT 9.x) that can show and modify DTT 9.x policy / participant settings.

Note: DTT/IPF configuration UI is only for tuning settings and shouldn't be shared with end user.

2.3.1 Configuring Startup Scripts in DTT 9.x

DTT 9.x is comprised of several application components that are designed to work together to provide a flexible application framework for enabling certain application features. These components include:

1. Lower Framework (LF) – Device Drivers that run in the Kernel.
2. Upper Framework (UF) – User Mode application for abstracting OS and platform from Loadable Apps such as DTT and provides features such as a Web Socket server.
3. DTT Loadable App – Loadable Libraries that implement the DTT application and Policies.

In order for DTT to function, the DTT Loadable App must be started by the DTT Upper Framework. This is done automatically during system startup for a standard installation. By default, the following features are disabled when DTT is installed on a system:

4. UI and Web Socket server are used to monitor and configure DTT in a web browser.

OEMs can enable these features by following the instructions in this document.

2.3.2 Configuration Tool Quick Start Guide

To enable the UI and Web Socket Server, the quickest way to accomplish this is to run the "setup.exe" in the "Tool" folder to automatically install the Configuration Tool and reboot the system. Load the UI using one of the following methods with a HTML5 supported web browser. (Chrome or Internet Explorer 10 or higher)

- Open <http://localhost:8888> in your web browser
- A desktop shortcut is no longer created for DTT UI and instead the UI needs to be accessed by opening a browser and navigating to localhost:8888.

2.3.3 Troubleshooting

If you are unable to load the UI using <http://localhost:8888> after installing Configuration Tool or you are unable to view any data in the "Monitor Mode" of the UI after manually loading the index.html file, you may have to adjust some security settings in order to allow your browser to connect to "localhost". The following are general troubleshooting steps:

- Verify Firewall and Security Settings:** Ensure that there is not a firewall (or another application) blocking access to port 8888 (or your specified port). Also, for Microsoft Internet Explorer, ensure that your security zone settings are not preventing an upgrade from the http to websocket protocol. To do this, go into Tools > Internet Options > Security > Local Internet > Sites > Advanced and add <http://localhost> to the list to force localhost into the Local security zone.
- Uninstall Intel® Dynamic Tuning Technology driver and tool.**
- Delete the folder**
"C:\Windows\system32\drivers\DriverData\Intel\DPTF".
- Reinstall driver & tool and confirm the version is aligned.**
- Press "Ctrl+F5" to reload your browser.**

If Uninstall is not happening in presence of ICSS follow the given steps:

- Uninstall the existing DTT/DTT UI (and ipf If present)**
- Reboot**
- Go into Services and stop the Intel Context Service:**

 Intel(R)TATargetService	Gets the requested thermal data from the platform and se
 IntelAudioService	
 IntelContextService	Intel(R) Context Sensing Service
 iphlpsvc	Provides tunnel connectivity using IPv6 transition technol
 ipxlatCfgSvc	Configures and enables translation from v4 to v6 and vice

- Clean out** all remaining drivers:

- a. See the powershell commands at the end of the email
5. **Delete** the contents of these directories
 - a. C:\Windows\System32\Intel*
 - b. C:\Windows\ServiceProfiles\LocalService\AppData\Local\Intel*
 - c. C:\Windows\System32\drivers\DriverData\Intel*
6. **Verify** no dtt drivers are left in devicemanager
7. **Reboot**
8. **Verify that the ICSS service** is no longer in services
9. **Install** IPF
10. **Install** DTT
11. **Install**
12. **Reboot**

Note: If this does not resolve the problem, check with your BIOS vender to see if they have the same symptom or contact your Intel representative.

2.4 Intended Audience

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

2.5 Supported OS

OS Version	OS POR Platforms
Microsoft Windows* 10/11 x64	All Intel x64 based Processors

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3 *New Features – Added*

ID #	Change Information	As of version
N/A	N/A	N/A

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4 *Features Changed/Modified*

ID #	Description	As of version
DPTF-12263	APO: Removing PTL-12Xe APO config for patch release	9.1.10003.555

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5 *Features Deprecated/Removed*

ID #	Description	As of version
N/A	N/A	N/A

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6 *Closed Issues*

ID #	Description	Details	Fixed in Build#
N/A	N/A	N/A	N/A

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7 Security Issues Fixed

ID #	Description	As of version
N/A	N/A	N/A

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8 *Known Issues*

ID #	Description	As of version
N/A	N/A	N/A

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9 *Additional Kit Details*

Additional Notes	As of version
Panther Lake H404/H484/H12Xe Consumer and Corporate Production Candidate s(PC) Software Package (Microsoft Windows 11 25H2-64 bit) WW49-2025	9.1.10003.555

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