

Product brief

# Intel® Adaptix™ Technology

Adaptive . Intelligent . Performance

intel®

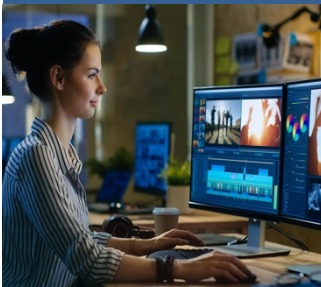
## Software<sup>1</sup> for the best possible performance and experience.

### Overview

Intel® Adaptix™ Technologies is a collection of 5 advanced technology packages each with its own targeted functions designed to enhance the performance and experience of Intel-based PCs and form factors. Intel has been delivering the tools necessary to tune and optimize the system performance of a PC for many years. These tools deliver optimization benefits that have grown over time and we can better demonstrate their total platform impact by bringing them under a single name. This will help OEMs and customers understand better that Intel not only has the most advanced hardware technologies in the world, but also advanced performance software IP that spans from tuning and overclocking to new capabilities and performance. Using these free tools OEMs can access the best PC performance tuning tools in the industry and all consumers win by experiencing better performance and enjoyment with their PC by customizing it to their needs.

Learn more at [www.intel.com/adaptix](http://www.intel.com/adaptix)

### Intel® Deep Link



Unleash Intel  
Platform Performance

### Intel® Deep Link

Intel Deep Link capitalizes on synergies that exist between Intel silicon and software to unlock capabilities now available with Intel discrete graphics and Intel processors. This technology allows customers to experience new capabilities on Intel systems for increased productivity for creators and an improved gaming and streaming experience. This is done by harnessing the power of multiple Intel processing engines that collaborate to intelligently aggregate media and inference-based workloads delivering an elevated experience with extra performance for fast creating. It also includes the ability to dynamically share power between the processor and the discrete graphics engine and unlock the full potential of both engines.

### Intel® Dynamic Tuning Technology

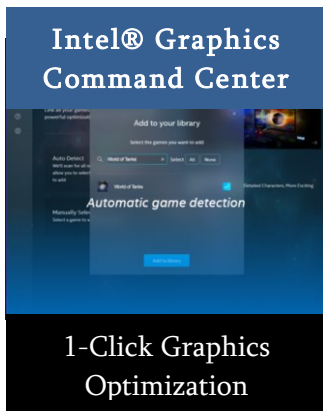


Intelligent Thermal  
and Power

### Intel® Dynamic Tuning Technology

**Download: OEM/ODM only**

Dynamic Tuning has been continually expanding features for 10 years which included machine learning algorithms launched at Computex 2019. This software senses and interacts with devices and sensors to allow the CPU and platform to dynamically extract the best performance within system limits. This software allows OEM system engineers to extract the highest performance from the Intel processor by allowing the CPU to stay in a higher power mode longer. This is done by sensing the system variables like Tskin temperature, power (AC or DC), mode of usage, current CPU state, etc., and then changing the configurable CPU power levels to the maximum allowed by the OEM. To make it easy for design engineers to quickly customize and optimize, DTT provides simple user interface. The user interface is only available to OEM/ODM customers and not intended for end-user customization. The Dynamic Tuning software is only made available to OEM and ODM customers and is not intended for use by end users.



## Intel® Graphics Command Center

[Download: Consumers, Microsoft Store](#)

Launched in March 2019, the Intel® Graphics Command Center is an end user focused graphics UI that has been built from the ground up with gamers in mind. Ease-of-use was central to Intel's thinking. So, it has been reconfigured to make things much easier to discover. We have included additional helpful educational information into the software so that end users find it easier to discover what settings do. The Intel Graphics Command Center also makes it simpler to adjust display and video settings, as well as to tune settings for games. It enables many new settings that the standard Windows\* settings panel won't allow.



## Intel® Performance Maximizer

[Download: Consumers, Intel Download Center](#)

An innovative, free automated overclocking software exclusively from Intel that makes it easy to dynamically and reliably custom tune a select unlocked 9th Gen Intel® Core™ processor based upon its individual performance DNA. Other automatic overclocking software fail to consider the individual performance potential of a given processor, and instead generalize the overclock based on pre-characterized data.

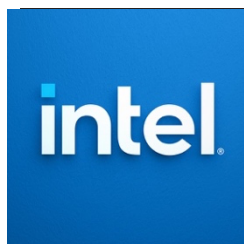


## Intel® Extreme Tuning Utility

[Download: Consumers, Intel Download Center](#)

Intel XTU is a free Windows\*-based performance-tuning software that enables novice and experienced enthusiasts to overclock, monitor, and stress a system. The software interface exposes a set of robust capabilities common in most enthusiast platforms along with new features available on new Intel processors and Intel motherboards.

Adaptix™ Software Components	Function Summary	Targeted Customer	Supported Platforms
<a href="#">Intel® Deep Link</a>	Power share provides the ability for the processor to utilize the top end of its PL1 range for focused productivity workloads while also rebalancing to deliver a great experience when it's time for graphics workloads to run. Additive AI allows for workloads to use both GPUs on the platform to inference or dedicate inferencing and render tasks to each GPU. Hyper encode combines four multi-format codec engines (MFX) to quickly process encode streams.	OEM/ ODM Engineers	Currently notebooks with Intel® Iris® Xe MAX graphics and 11 <sup>th</sup> Generation Intel® Core™ Processors.
<a href="#">Intel® Dynamic Tuning Technology</a>	Processor and platform power optimization tools. Customize Processor power settings and intelligently adapt to the environment and usage to increase processor performance while managing within overall system power and thermal limits.	OEM/ ODM Engineers	Currently notebook product lines such as U, Y, H, N series processors, desktop product support 1H 2020.
<a href="#">Intel® Performance Maximizer</a>	Innovative and automated free overclocking software that makes it easy to dynamically and reliably custom tune a select unlocked 9th gen Intel® Core™ processor based upon its individual performance DNA.	End User	Select desktop unlocked 9th Gen Intel® Core™ processors paired with the Z390 chipset.
<a href="#">Intel® Extreme Tuning Utility</a>	Advanced overclocking with over 100 controls for processor clocks, memory timings, voltage settings, etc.	End User	Desktop and Mobile unlocked or partially unlocked processors.
<a href="#">Intel® Graphics Command Center</a>	An End User focused UI for easily adjusting graphics settings, 1-click game optimization, and teaching the end user about graphics changes and color settings.	End User	All 6 <sup>th</sup> Gen Intel Core™ processors with integrated graphics or newer



<sup>1</sup>These tools are available separately and are not part of a single download. Intel Dynamic Tuning is available to OEM/ODM customers only and not intended for consumer use.

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