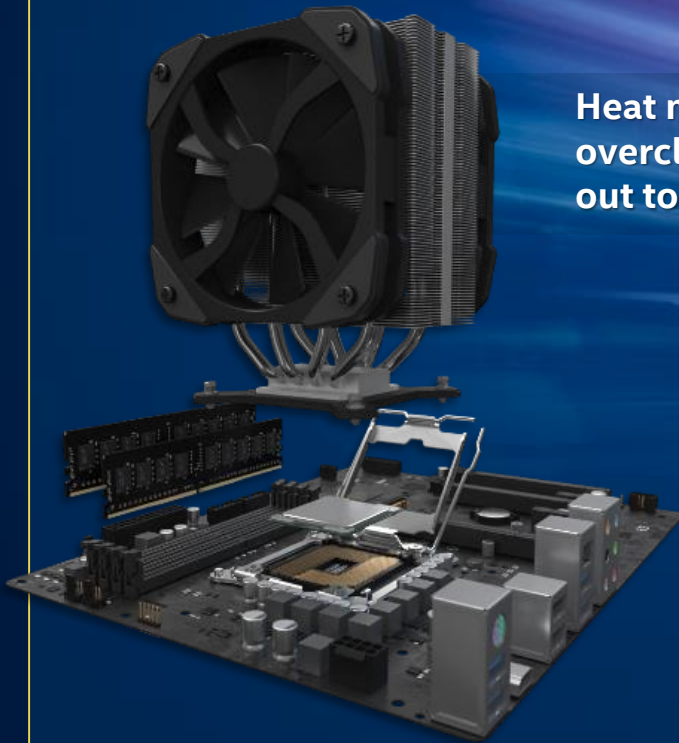


OVERCLOCK¹ CONFIDENTLY WITH SOLDER THERMAL INTERFACE MATERIAL (STIM) AND INTEL[®] EXTREME TUNING UTILITY (INTEL[®] XTU)

Unlocked 9th Gen Intel[®] Core™ i5, Intel[®] Core™ i7, and Intel[®] Core™ i9 processors are built with Solder Thermal Interface Material (STIM) and enhanced overclocking¹ utilities such as Intel[®] XTU to maximize performance.²

SOLDER THERMAL INTERFACE MATERIAL (STIM)



Heat management is critical for any successful overclock.¹ STIM helps maximize heat transfer out to your cooling solution.

- STIM is a solder based thermal interface material (TIM) between the integrated heat spreader (IHS) and processor die.
- STIM can provide increased thermal conductivity between the CPU die and the integrated heat spreader (IHS).
- When there is increased thermal conductivity, heat dissipation is improved, allowing for more thermal headroom.

INTEL[®] EXTREME TUNING UTILITY (INTEL[®] XTU)



Overclock¹, monitor, and stress a system with Intel[®] Extreme Tuning Utility (Intel[®] XTU), a simple Windows performance tuning application.

Using Intel[®] XTU's Modifying Core Multiplier, you can allow the system to run at stock speed with all power states for normal loads but increase the max frequency that Turbo mode will use when needed.

1. Altering clock frequency or voltage may damage or reduce the useful life of the processor and other system components, and may reduce system stability and performance. Product warranties may not apply if the processor is operated beyond its specifications. Check with the manufacturers of system and components for additional details.

2. Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at [intel.com].

Performance results are based on testing as of October 4th, 2018 and may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure. Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark* and MobileMark*, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information about performance and benchmark results, visit <http://www.intel.com/benchmarks>.

