

intel

Intel[®] Core[™] Ultra 200S Plus

Desktop Processors



Notices and Disclaimers

Performance varies by use, configuration and other factors. Learn more at www.intel.com/PerformanceIndex.

Intel® Binary Optimization Tool is an optional feature available by switching on advanced mode of Intel® Application Optimization, which is a policy within Intel® Dynamic Tuning Technology that optimizes performance on select games when played on required configurations on select Intel® Core™ processors. Learn more at <https://www.intel.com/content/www/us/en/support/articles/000095419/processors.html> for additional details and see ark.intel.com for product details.

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families.

The processor number is one of several factors, along with processor brand, specific system configurations, and system-level benchmarks, to be considered when choosing the right processor for your computing needs. A higher number within a processor class or family generally indicates more features, but it may be more of one and less of another. Once you decide on a specific processor brand and type, compare processor numbers to verify the processor includes the features you are looking for.

Codec capabilities may vary by device and configuration. Contact your manufacturer to understand the enabled hardware acceleration and codec capabilities for individual devices.

Prices for products at the point of sale is subject to broad array of factors – including local tariffs, taxes, and other factors; Intel's suggested pricing guidance does not constitute a formal pricing offer from Intel. Availability will vary by country and retailer. Customers can always confirm availability and final price information with their preferred retailer(s) before making a purchase.

Some images may have been altered or simulated and are for illustrative purposes only.

6GHz Wi-Fi 6E operation requires use of Intel® Wi-Fi 6E (Gig+) products in conjunction with operating systems and routers/APs/Gateways that support Wi-Fi 6E, together with regional spectrum allocation and required regulatory certifications. Visit intel.com/performance-wireless for details.

While Wi-Fi 7 is backward compatible with previous generations, new Wi-Fi 7 features require PCs configured with Intel Wi-Fi 7 solutions, PC OEM enabling, operating system support, and use with appropriate Wi-Fi 7 routers/APs/gateways. 6 GHz Wi-Fi 7 may not be available in all regions. Performance varies by use, configuration, and other factors. For details on performance claims, learn more at www.intel.com/performance-wireless.

No product or component can be absolutely secure. Intel technologies may require enabled hardware, software or service activation.

SPEC®, SPECrate® and SPEC CPU® are registered trademarks of the Standard Performance Evaluation Corporation. See <http://www.spec.org/spec/trademarks.html> for more information

Your costs and results may vary.

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Intel® Core™ Ultra 200S Plus

Program goals

Deliver Intel's fastest gaming processor

Improve perf/\$ across multiple vectors

Reset performance roadmap

Pioneer a new class of performance optimization

Reimagine the out-of-box set up experience



Intel® Core™ Ultra 200S Plus

More cores ✕ New technology

Intel's fastest
**gaming
processors**
ever¹

Up to
**2x faster
multicore**
vs. the competition²

Pioneering
**performance
technology**
for gamers

More
**performance
per dollar**
for enthusiasts³



¹Based on superior gaming performance among Intel desktop processors of Intel® Core™ Ultra 7 270K Plus processor, including benefits of Intel Binary Optimization Tool feature when enabled on select titles, across various games.

²As measured by 3DMark CPU Profile Max Threads.

³Based on superior performance per dollar among Intel desktop processors of Intel® Core™ Ultra 7 270K Plus and Intel® Core™ Ultra 5 250K Plus, including benefits of Intel Binary Optimization Tool feature when enabled on select titles, across gaming and content creation workloads.

All claims as of March 2026, among desktop enthusiast (targeting ~125W TDP) processors. More details at www.intel.com/PerformanceIndex. Costs and results may vary.

NEW INDICATOR

Plus

Pushed further for enthusiasts

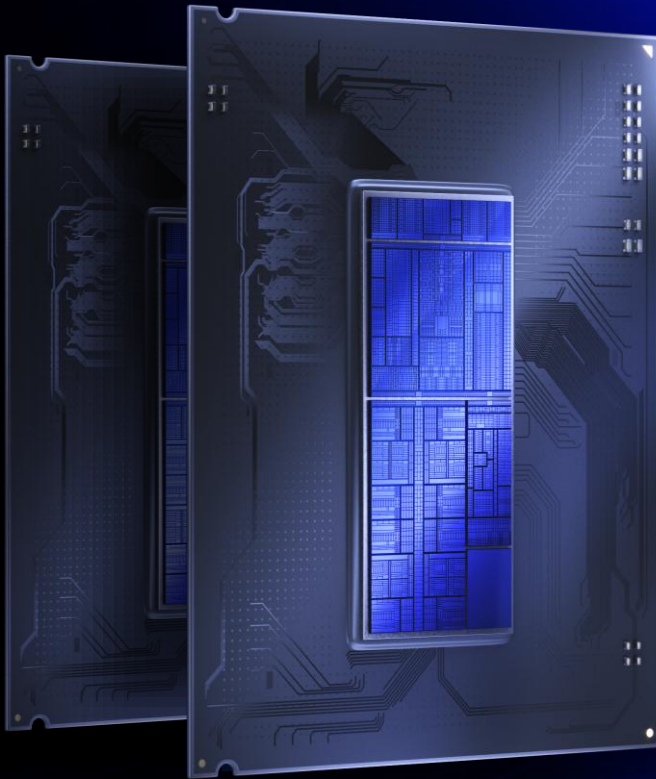
Architecture and process
refinements

More performance
for an existing platform

The ultimate expression
of a new architectural
generation

Intel® Core™ Ultra 200S Plus

More cores × New technology



Intel® Core™ Ultra 7 270K Plus

24 Cores
(8P+16E)

24 Threads

5.5 Max GHz

Up to
+900 MHz D2D
Frequency

Intel® Core™ Ultra 5 250K Plus

18 Cores
(6P+12E)

18 Threads

5.3 Max GHz

Up to
+900 MHz D2D
Frequency

Intel® Core™ Ultra 200S Plus

Competitive match up

Intel® Core™ Ultra 7 270K Plus				\$299 Starting from USD
24	24	5.5	7200	
Cores (8P+16E)	Threads	Max GHz	DDR5 Spec	
Intel® Core™ Ultra 5 250K Plus				\$199 Starting from USD
18	18	5.3	7200	
Cores (6P+12E)	Threads	Max GHz	DDR5 Spec	

AMD Ryzen 7 9700X				\$299 USD*
8	16	5.5	5600	
Cores	Threads	Max GHz	DDR5 Spec	
AMD Ryzen 5 9600X				\$199 USD*
6	12	5.4	5600	
Cores	Threads	Max GHz	DDR5 Spec	

Previous Intel® Core™ Ultra 200S processors remain available at promotional pricing.

*Source: NewEgg.com on March 1, 2026



SOC Updates

Intel® Core™ Ultra 200S Plus

Key features

Lion Cove P-Core Architecture

Skymont E-Core Architecture

NEW Enhanced Uncore Frequencies

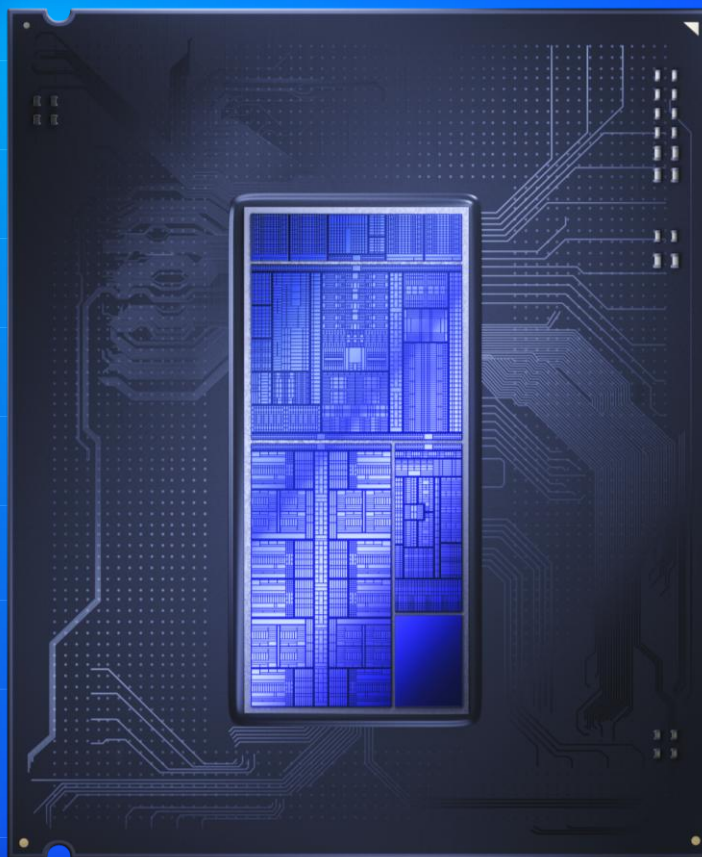
Integrated 13 TOPS NPU

PCIe 5.0 and 4.0 Lanes

Xe LPG Graphics Architecture

Up to 36 MB Shared Intel® Smart Cache L3

Integrated Thunderbolt™ 4 Technology
Discrete Thunderbolt™ 5 Technology



NEW Official DDR5-7200 MT/s Support

NEW Intel® Platform Performance Package

NEW Supports Intel® Binary Optimization Tool

NEW Compatible w/ Intel® 800 Series Chipsets

Intel® Application Optimization (APO)

Intel® Extreme Memory Profile (XMP)

Intel® Extreme Tuning Utility (XTU)

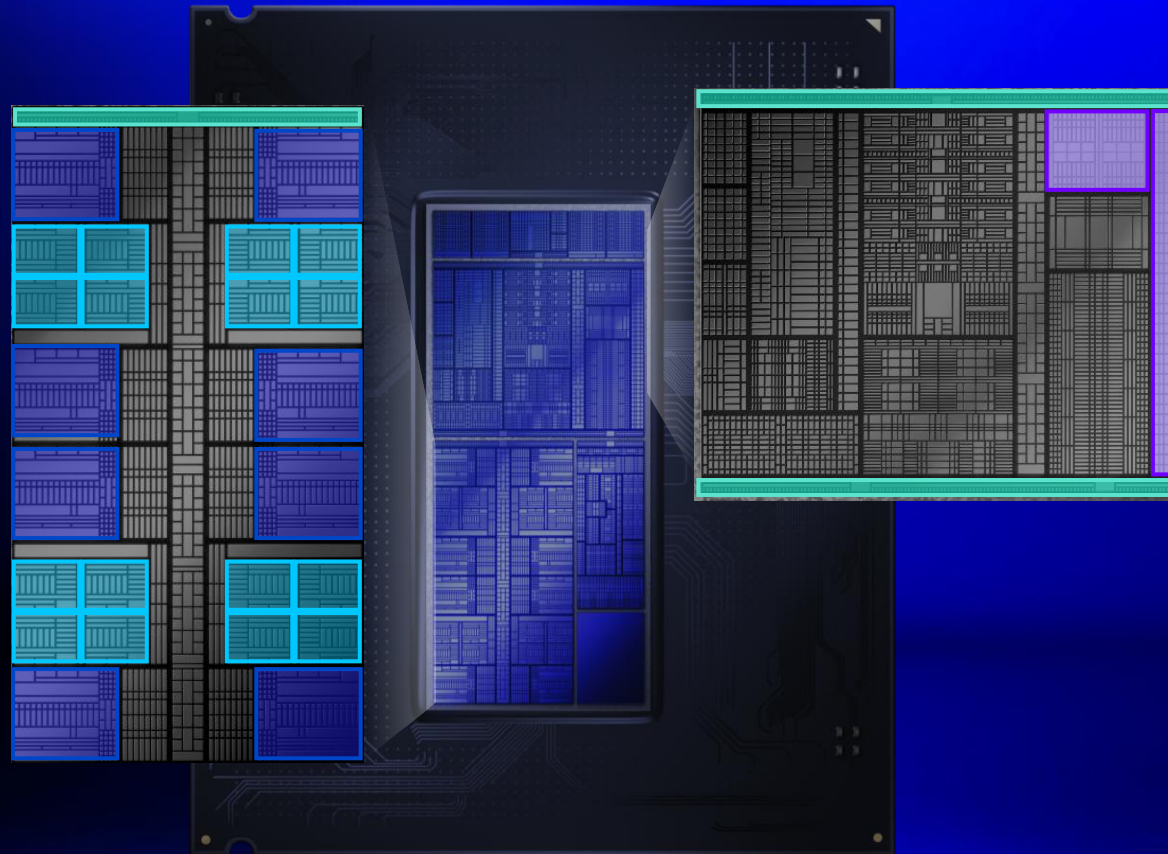
Intel® Core™ Ultra 200S Plus Frequency Enhancements

+100MHz

All E-core boost

+200MHz

All P-core boost



+900MHz

Die-to-Die

+400MHz

DRAM & IMC

JEDEC

Up to DDR5-7200

XMP

Up to DDR5-8000*

All comparisons versus the Intel Core Ultra 200S desktop processors.

*Support for DDR5-8000 under the Intel three-year limited warranty requires utilization of the Intel 200S Boost program.

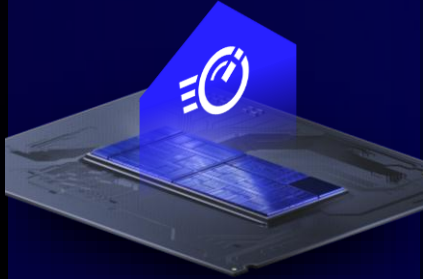


Performance Optimization IP

The Performance Optimization Spectrum

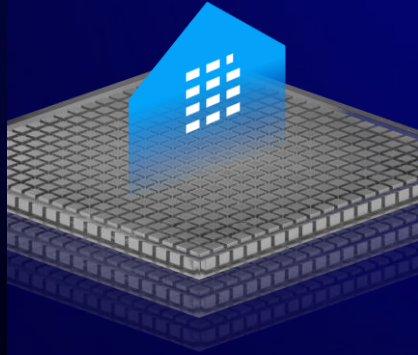
Faster Hardware

e.g. New CPU



ISA Updates

e.g. SSE or AVX



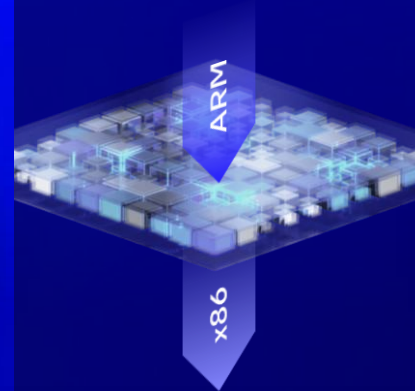
OS Enhancements

e.g. Scheduler tweaks



Code Translation

e.g. ARM to x86



App Updates

e.g. Performance patch



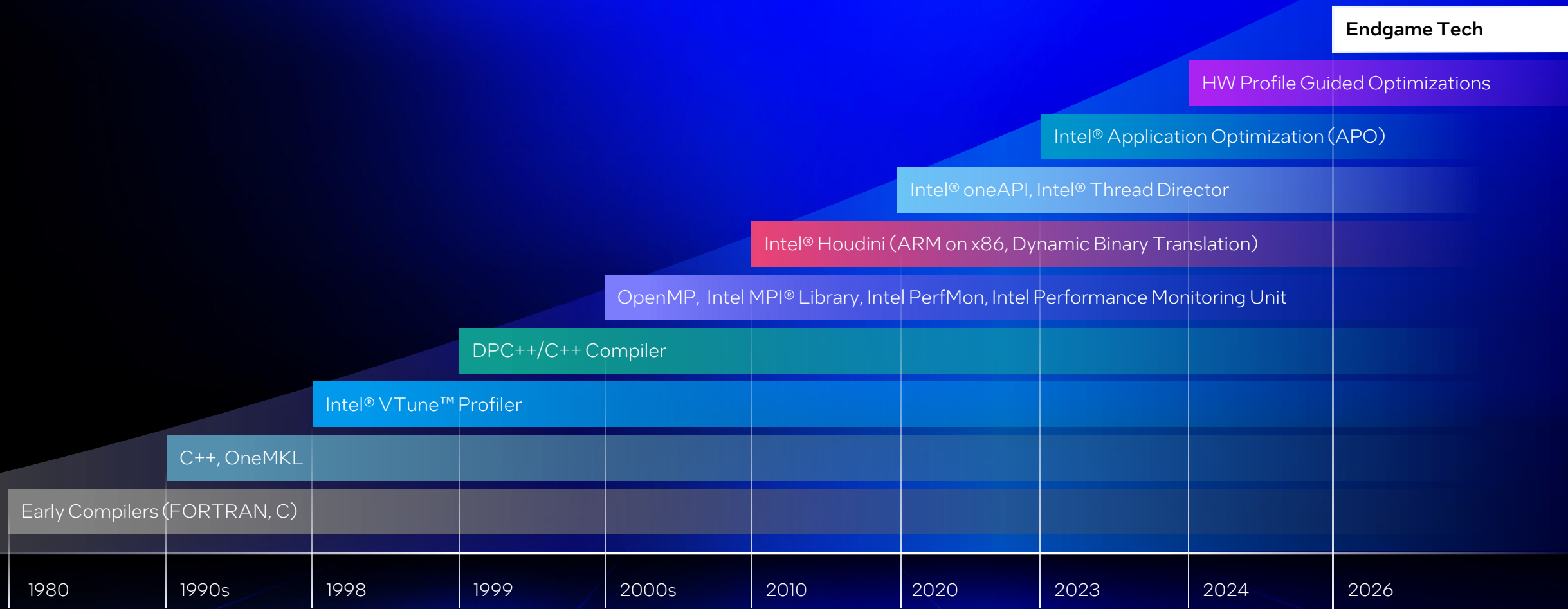
System Level

Source Level

Post-Development Optimization Has the Best Coverage

Intel IP for Performance Optimization

Deeper insights, faster code, better performance



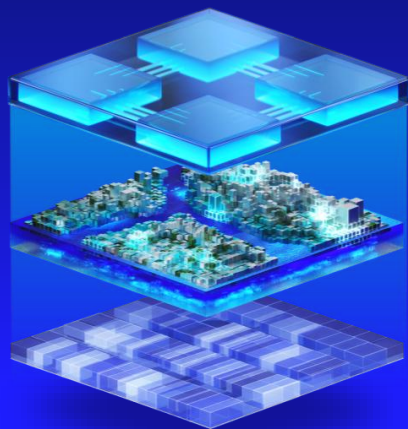
Essential Technologies

for Intel® Core™ Ultra 200S Plus processors

USER BENEFIT

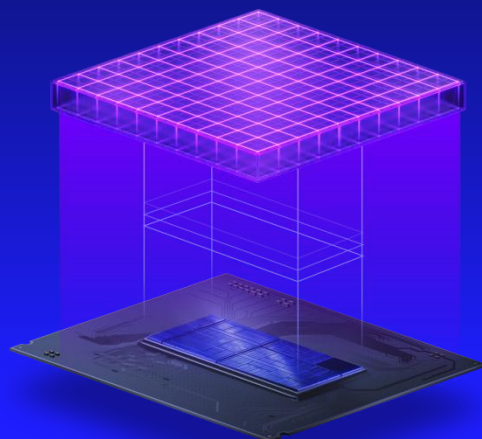
Intel® Application Optimization

(APO)

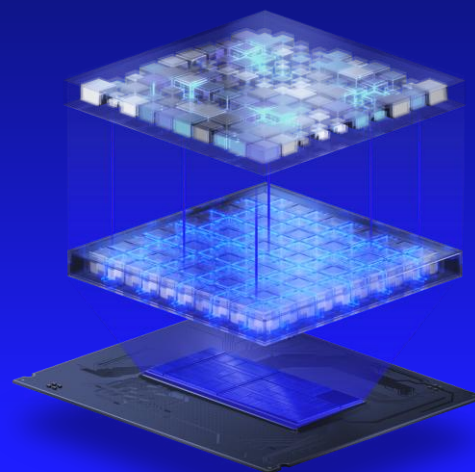


Intel® Hardware Profile- Guided Optimization

(HWPGO)



Intel® Binary Optimization Tool



DELIVERY

Intel® Platform Performance Package

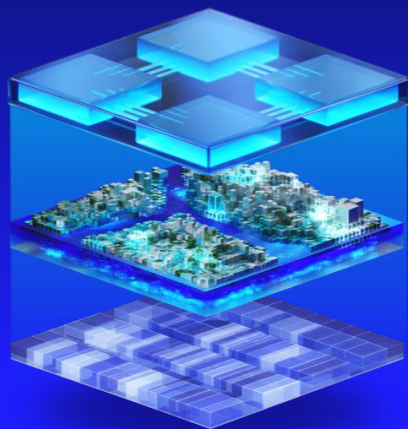


Essential Technologies

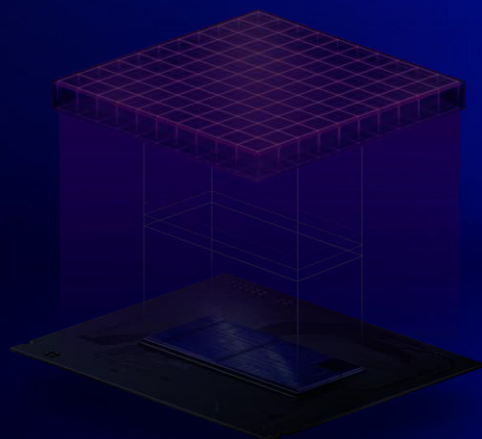
for Intel® Core™ Ultra 200S Plus processors

USER BENEFIT

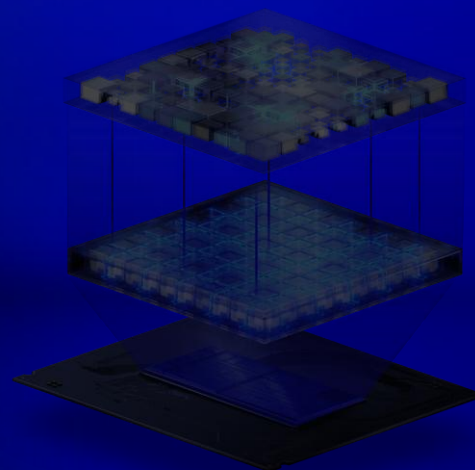
Intel®
Application
Optimization
(APO)



Intel®
Hardware Profile-
Guided Optimization

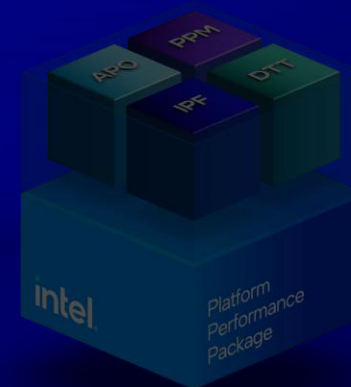


Intel®
Binary Optimization
Tool



DELIVERY

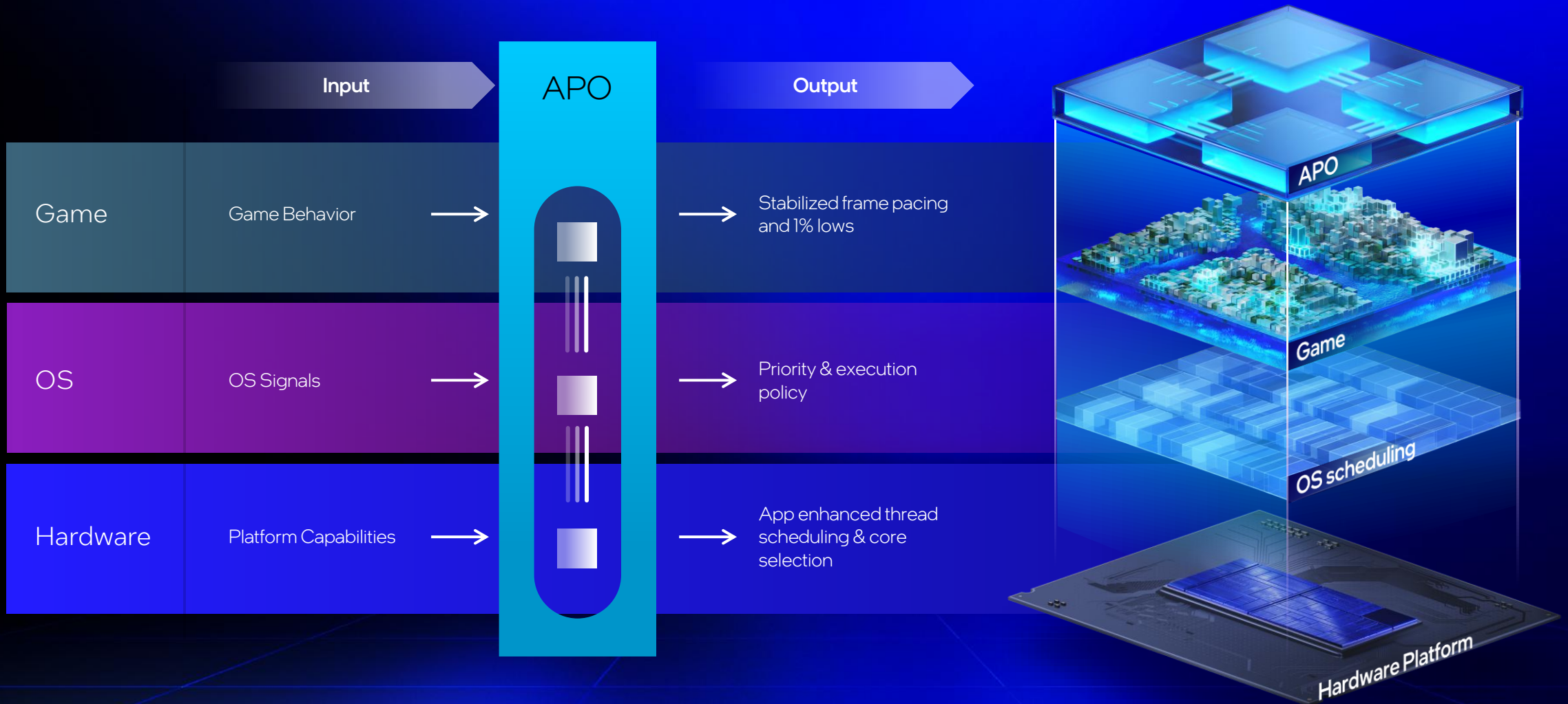
Intel®
Platform Performance
Package



Intel® Application Optimization

Aligns the hardware to the game's hardware assumptions

Essential
for Users



Post-Silicon Performance Optimization



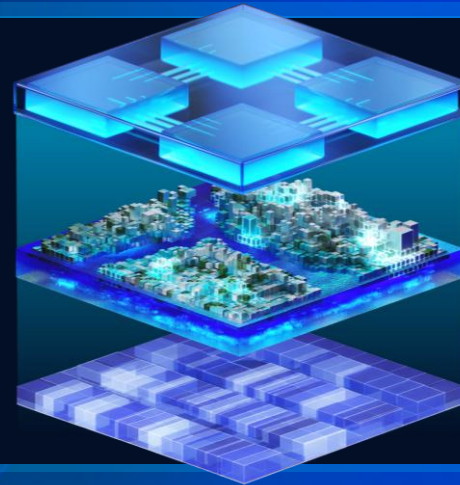
System Level Optimization



Source Level Optimization

Intel® Application Optimization (Intel® APO)

Dynamically improving gaming performance by intelligently scheduling game threads across P- and E- cores.



21
game titles
supported

On Intel® Core™ Ultra
200S Plus

Up to
+7%
faster
gaming

On Intel® Core™ Ultra 7
270K Plus

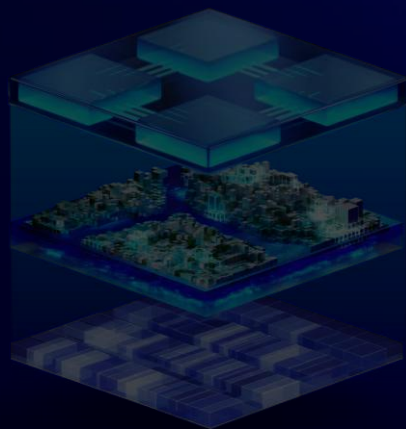
Auto
enabled
with Intel®
platform
drivers

Essential Technologies

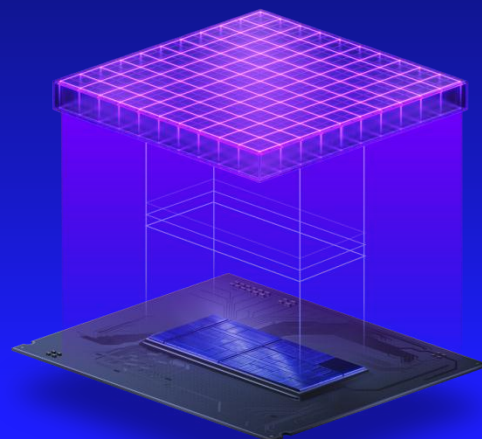
for Intel® Core™ Ultra 200S Plus processors

USER BENEFIT

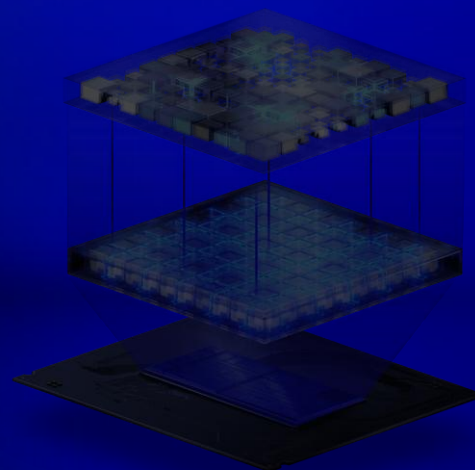
Intel®
Application
Optimization



Intel®
Hardware Profile-
Guided Optimization
(HWPGO)



Intel®
Binary Optimization
Tool



DELIVERY

Intel®
Platform Performance
Package

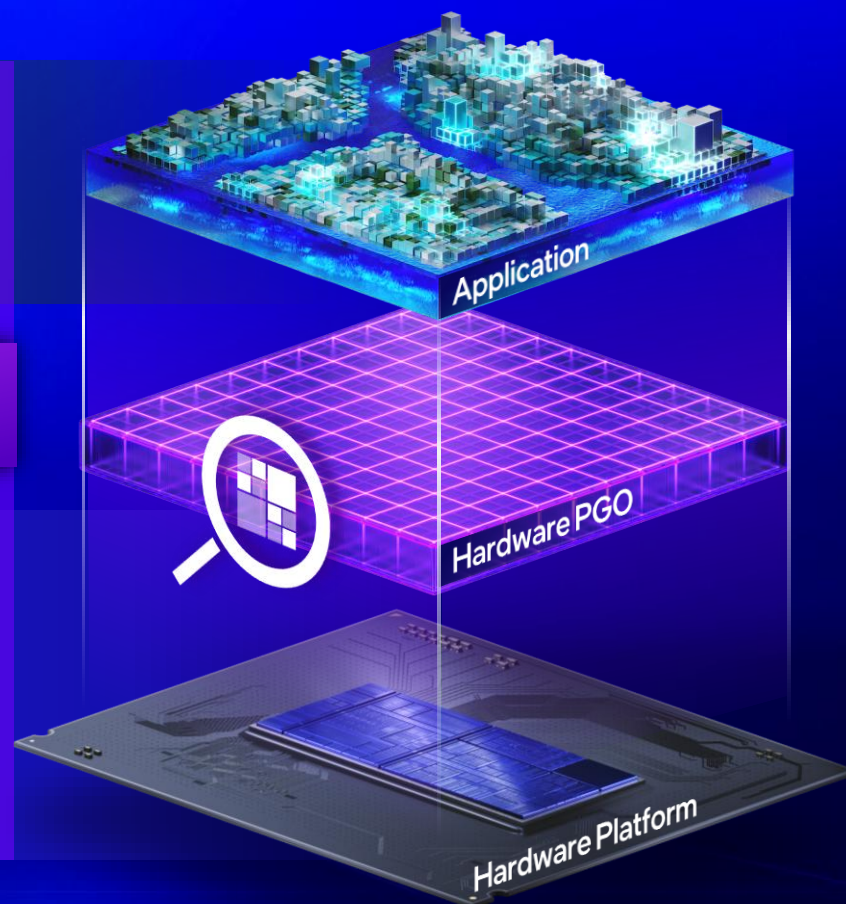


Intel® Hardware Profile-Guided Optimizations

Deep architectural inspection and performance profiling with production binaries

Essential
for Devs

App Impact	High runtime overhead Special binary	Near-zero runtime overhead No binary perturbation
	PGO	Hardware PGO
Hardware Measurements	Branch mispredicts (Inferred)	Branch mispredicts Cache pressure Front-end stalls Speculation effects μArch Hotspots (profiled & automatically repaired)



Post-Silicon Performance Optimization

APO

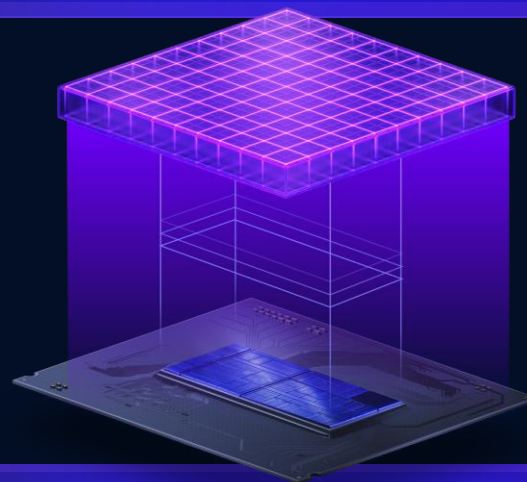


Intel HWPGO

Source-Level Optimization

Intel® Hardware Profile-Guided Optimization (Intel® HWPGO)

HWPGO builds a precise map of microarchitectural utilization to streamline and restructure source code or production linked binaries.



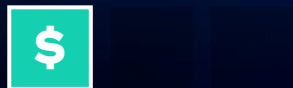
Up to
+13%
faster in V-Ray
for Cinema4D

On Intel® Core™
Ultra 9 285H

Utilized in
Adobe and
Chaos
codebases for
faster user
performance

Post-Silicon Performance Optimization

System Level Optimization



Performance Impact

Scale

Cost

Source Level Optimization

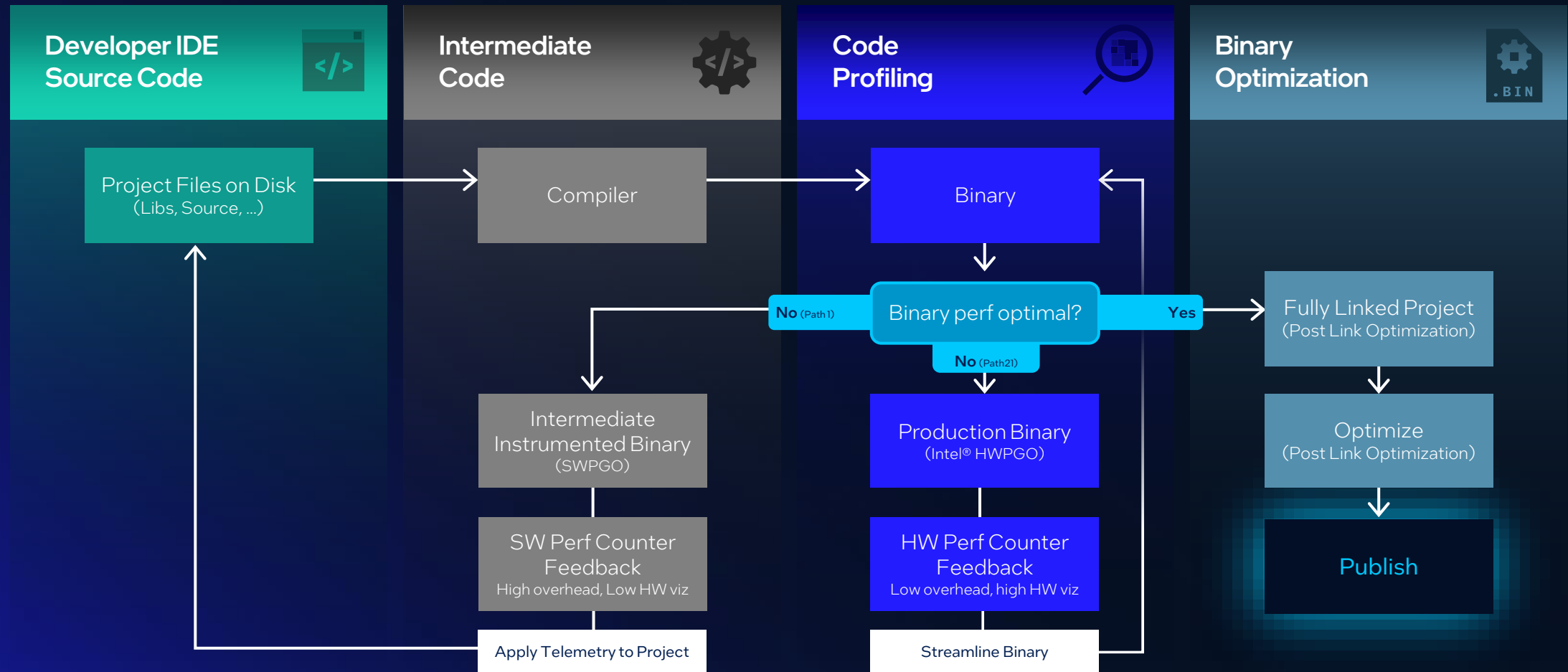




Quick detour

Software Development Pipelines

Typical Code Compilation Flow



What's Visible in Each Phase?

Source Code

fully editable, all functions can change

Developer IDE Source Code



Raw source code

All features

All functions

All libraries

All includes

Intermediate Code



Executable code

Human readable

Compiler's understanding of
project

*Closer to machine code than
source code in nature*

Machine Code

can be optimized but functions can't change

Code Profiling



Cache misses

Branch mispredicts

Front-end stalls

Speculation effects

uArch hotspots

....

Compiled Binary



Container format

Inspectable

No source code

Shows "flow"

Can be profiled

Can be streamlined

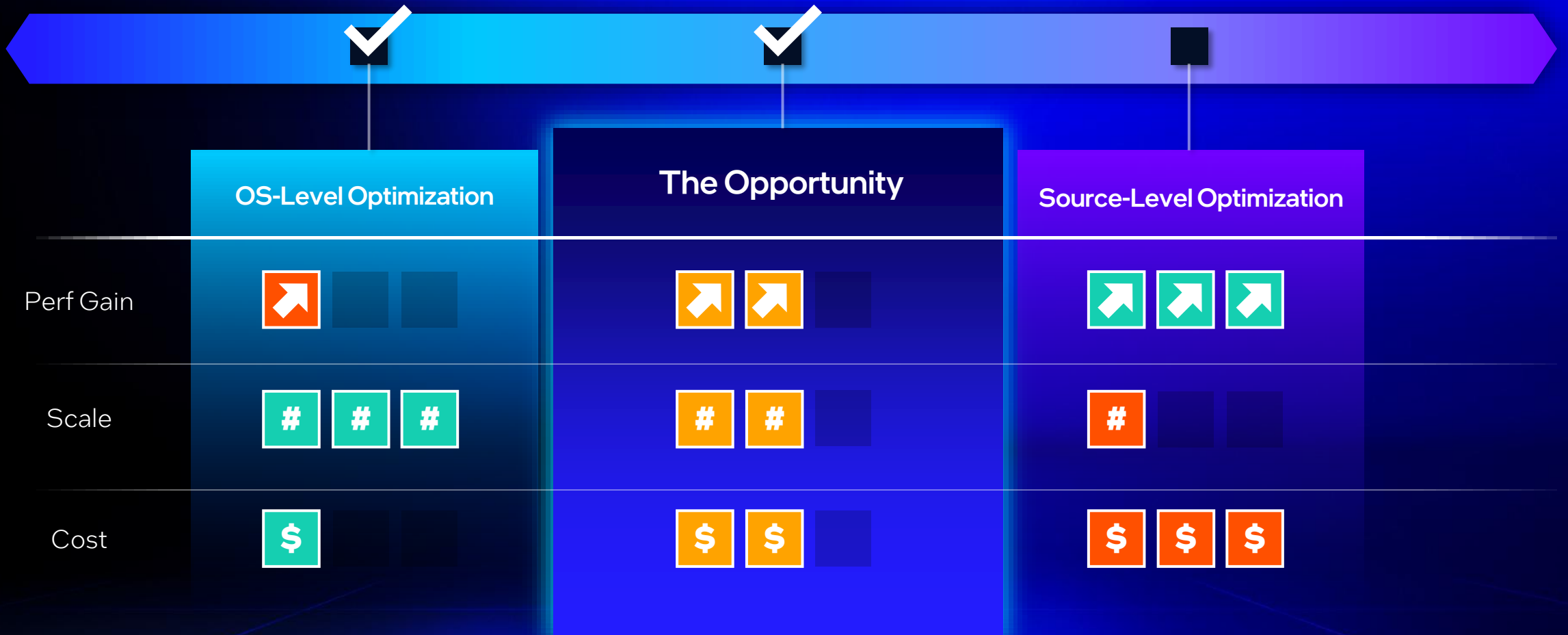


Back to the Show

Charting a New Path for Optimization IP



Charting a New Path for Optimization IP

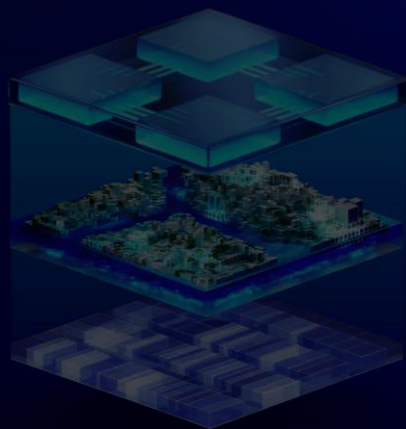


Essential Technologies

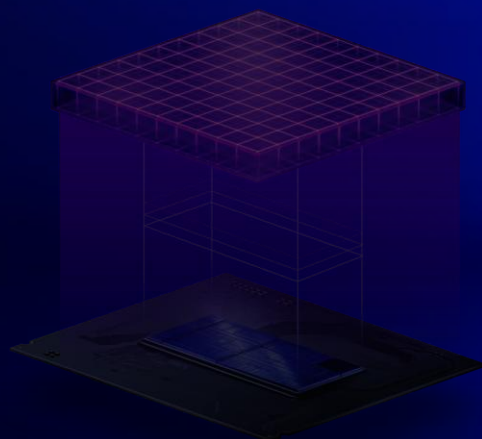
for Intel® Core™ Ultra 200S Plus processors

USER BENEFIT

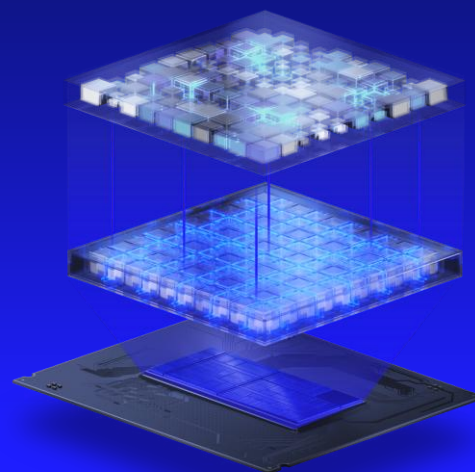
Intel®
Application
Optimization



Intel®
Hardware Profile-
Guided Optimization

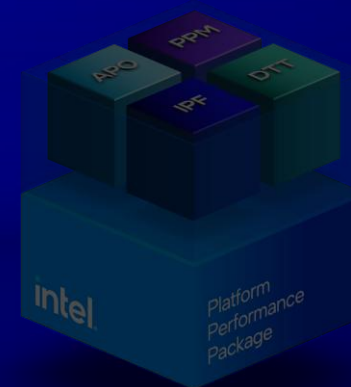


Intel®
Binary Optimization
Tool



DELIVERY

Intel®
Platform Performance
Package

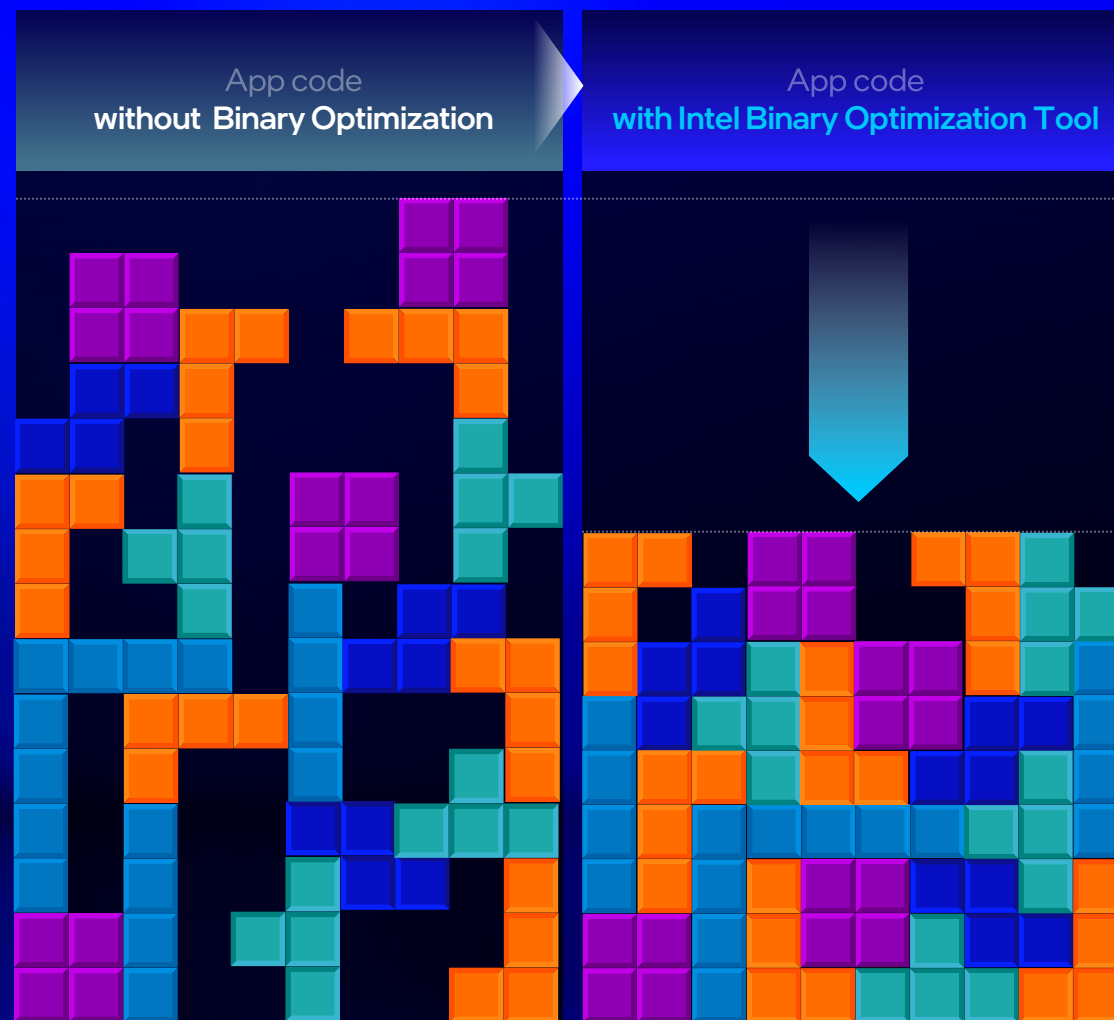


Intel® Binary Optimization Tool

An all-new class of optimization IP
to serve enthusiast performance*

Leverages Intel compiler and profiling IP
to streamline library & executable performance

No skipped work
results achieved by reducing architectural contention



For illustrative purposes only.

*On supported Intel Binary Optimization Tool workloads. Intel® Binary Optimization Tool is an optional feature available by switching on Advanced Mode of Intel® Application Optimization.

Intel[®] Binary Optimization Tool

The only x86 binary-level optimization IP for enthusiasts.

As of June 2026

+10%

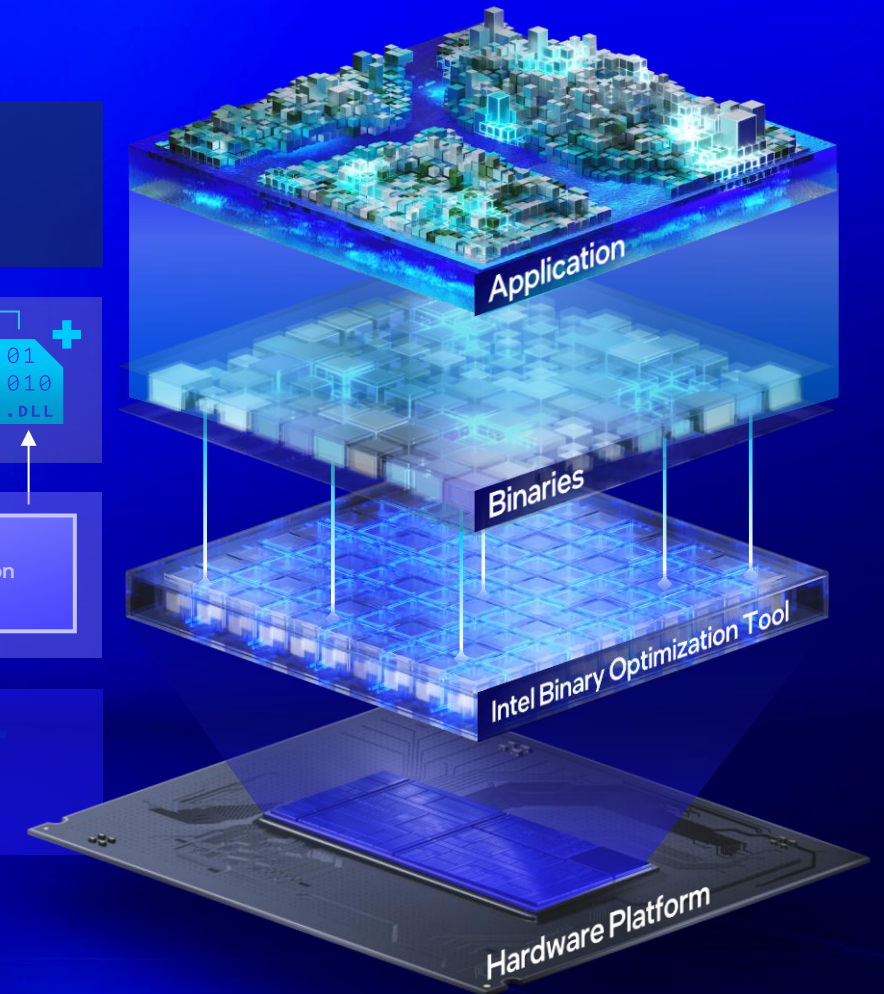
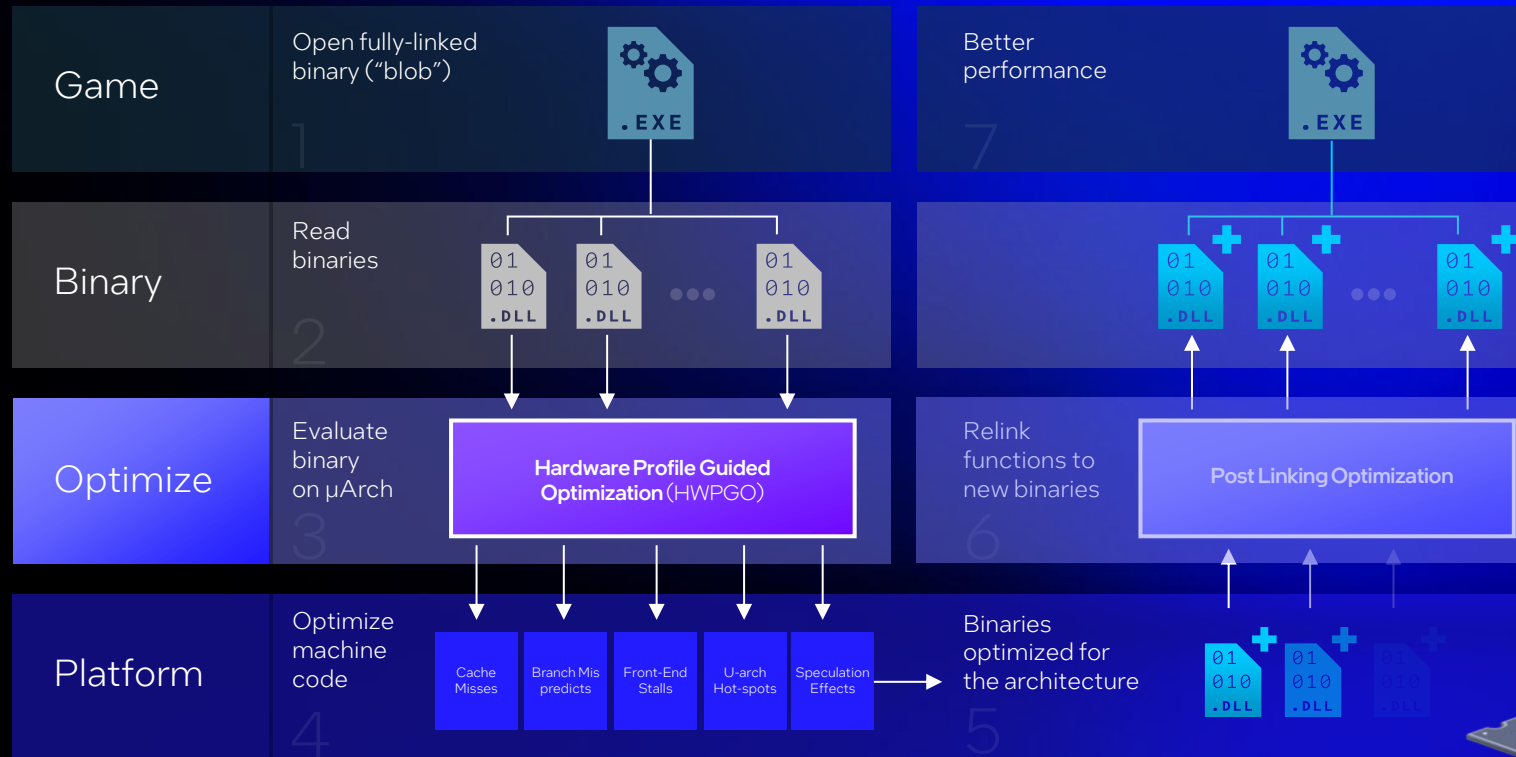
Average FPS Uplift
disabled vs enabled

Up to

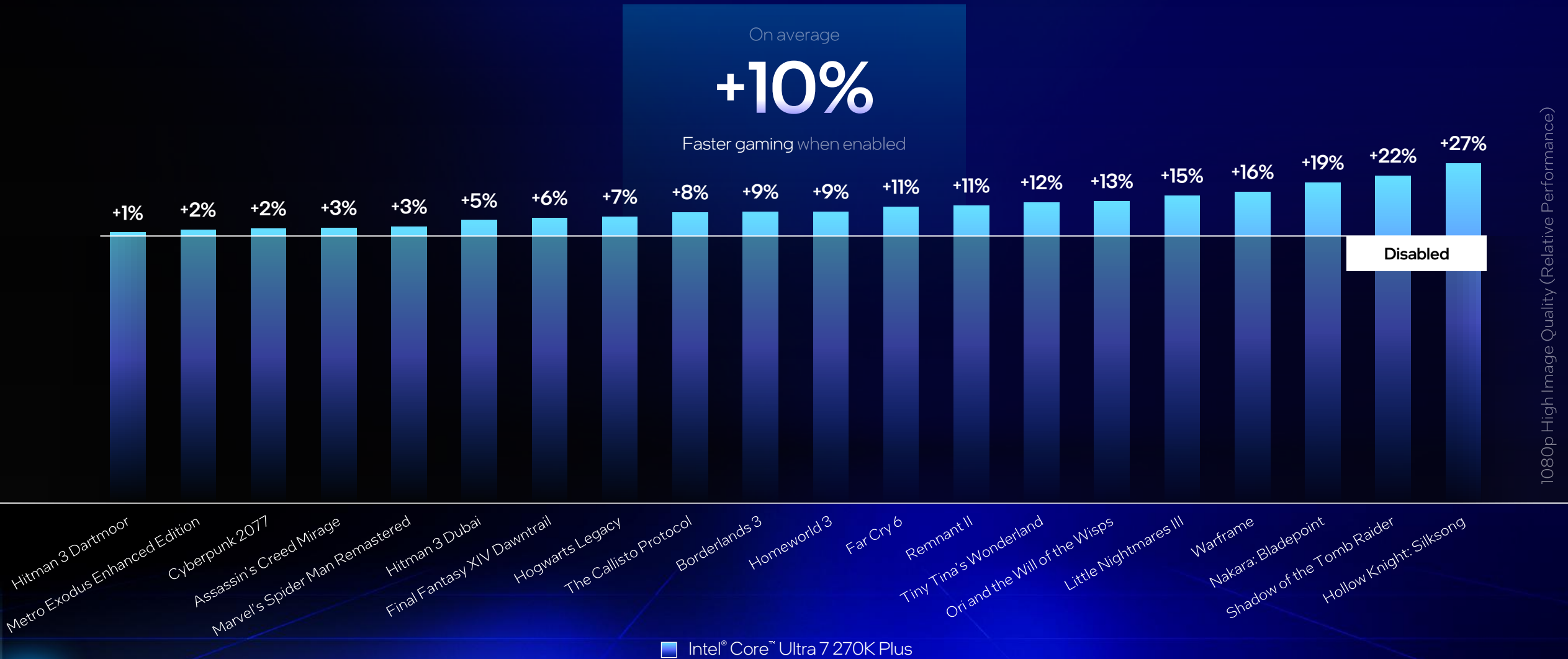
+27%

Faster Gaming
disabled vs enabled

Intel® Binary Optimization Technology



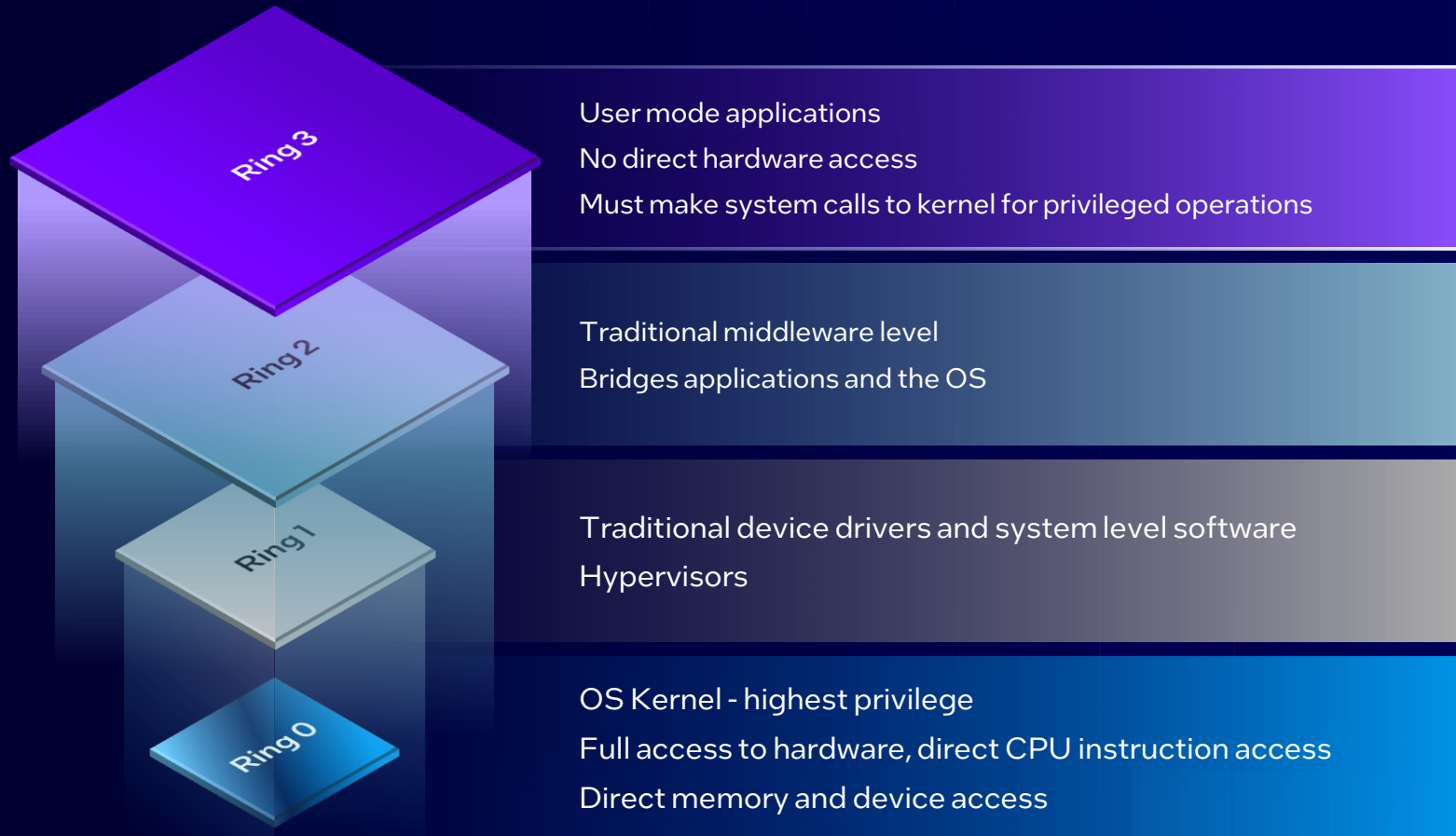
FPS Uplift with Intel® Binary Optimization Tool



Intel® Binary Optimization Tool is an optional feature available by switching on Advanced Mode of Intel® Application Optimization.
See intel.com/performanceindex for details. Results may vary.

Solution Architecture

Rings of security, levels of permission



Intel® Binary
Optimization Tool
Operates Here

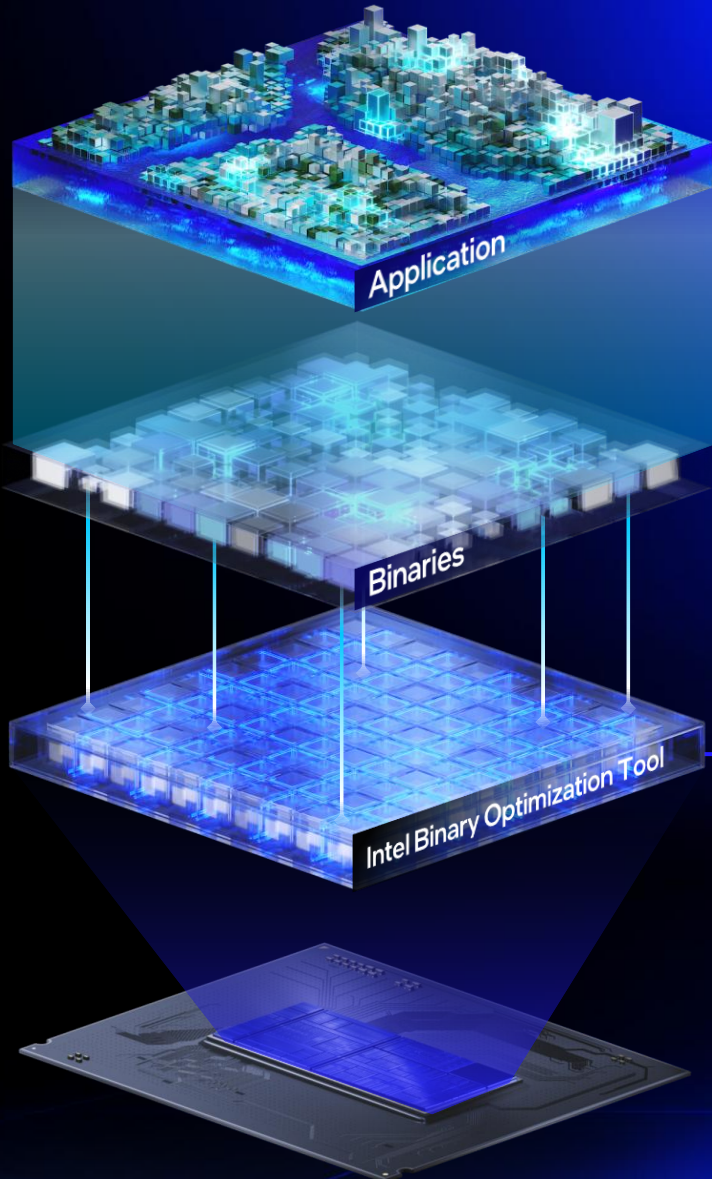
Optimization at Every Level

Squeezing maximum performance out of every line of code

	Optimization at	Key Input	Acts On	Dev Involvement	Target Use Cases	
Intel® Binary Optimization Tool (Machine code level)	Invocation	HW telemetry SW telemetry real-time execution	code layout, inlining, branching, mem behavior	compiler flow profiling flow	gaming creation AI	Intel Binary Optimization Tool
Intel® Application Performance Optimization (OS level)	Runtime	app behavior, OS signals, platform capabilities	thread sched. core selection priority execution policy	no code changes	gaming	APO
Intel® Innovation Platform Framework (Firmware level)						IPF/DTT

Intel® Binary Optimization Tool

Machine code translation for more than compatibility



Feature and function summary



Opt-in technology



Common set of optimizations for all enabled apps



All workloads disabled by default



No reverse engineering



No decompiling



All binary functions preserved



No "skipped" work or artificial frames



Gaming perf improvements up to 27%



Gains delivered through higher IPC



Enable through APO Interface

Images for illustrative purposes only.

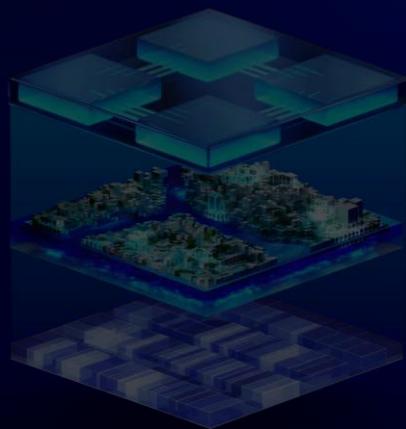
Intel® Binary Optimization Tool is an optional feature available by switching on Advanced Mode of Intel® Application Optimization. Benefits only available on supported Intel Binary Optimization Tool workloads.

Essential Technologies

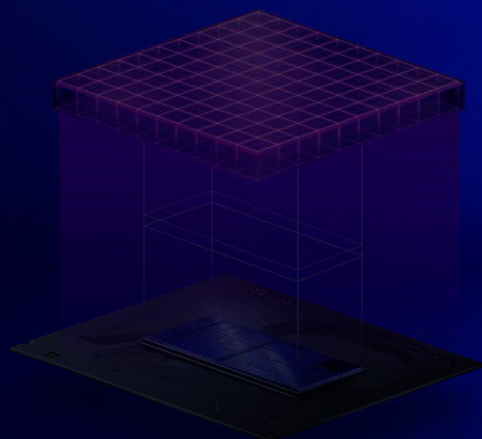
for Intel® Core™ Ultra 200S Plus processors

USER BENEFIT

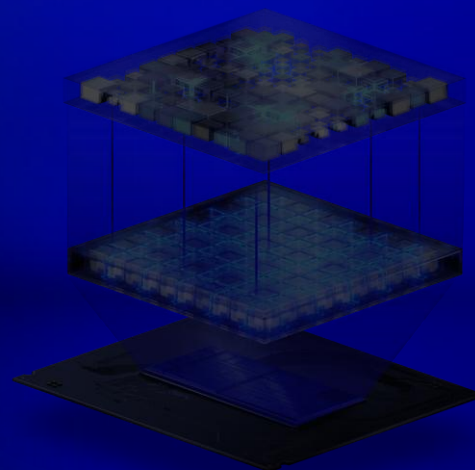
Intel®
Application
Optimization



Intel®
Hardware Profile-
Guided Optimization



Intel®
Binary Optimization
Tool



DELIVERY

Intel®
Platform Performance
Package



Intel® Platform Performance Package

One package, all the performance benefits



Intel® Dynamic Tuning Technology (Intel® DTT)

Intel® interfaces for performance and power control (e.g., Turbo boost)

Intel® Innovation Platform Framework (Intel® IPF)

Intel® IPF Providers for IGP Performance Telemetry and Control

Intel® IPF Providers for Device Management

Intel® System Data IPF Extension Provider Package

Intel® Processor Power Management (PPM)

Performance and power tuning for Win64 (e.g., scheduling and parking)

Intel® Application Optimization (Intel® APO)

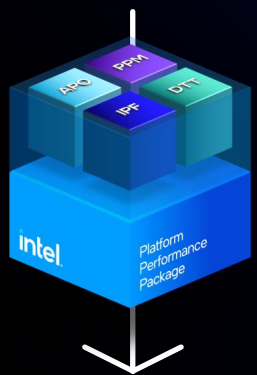
Intel® Application Optimization KPE Driver

Intel® Application Optimization User Interface Application

Intel® Binary Optimization Tool

Enabling Intel® Binary Optimization Tool

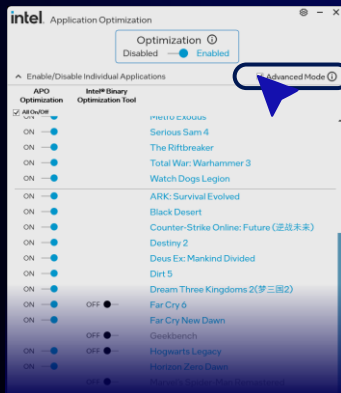
Through the Intel APO interface



1

Install Intel® Platform Performance Package

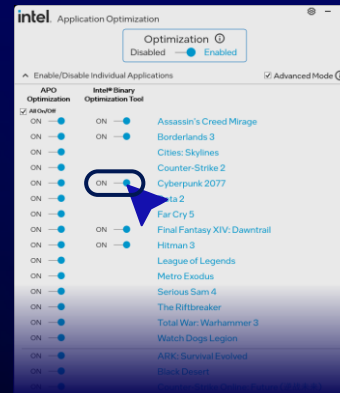
Download and install the Intel Platform Performance Package from the Intel Download Center.



2

APO Advanced Mode

Open the APO UI and enable advanced mode, located under the main "Optimization" toggle.

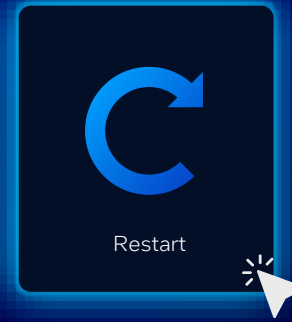


3

Toggle Intel® Binary Optimization Tool "ON"

Enable the Intel Binary Optimization Tool.

This tool can be activated for either all supported applications or selected individual ones.



4

Reboot System

Restart your PC and launch the Intel Binary Optimization Tool-supported game title.



5

Enjoy!

Enjoy higher FPS and smoother gaming.



Gaming Performance

Intel® Core™ Ultra 7 270K Plus Gaming

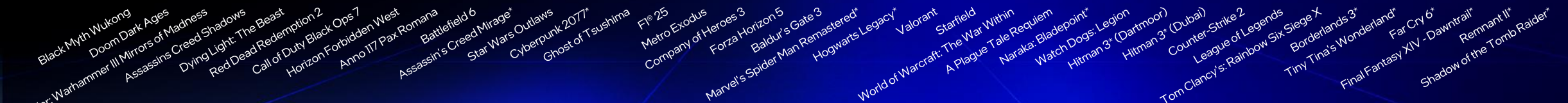
vs. Intel® Core™ Ultra 7 265K

+15%

Average Uplift @ 1080p
vs. Intel® Core™ Ultra 7 265K

265K

1080p High Image Quality (Relative Performance)



Intel® Core™ Ultra 7 270K Plus

*Intel Binary Optimization Tool enabled. Intel® Binary Optimization Tool is an optional feature available by switching on Advanced Mode of Intel® Application Optimization. See intel.com/performanceindex for details. Results may vary



Intel® Core™ Ultra 7 270K Plus Gaming

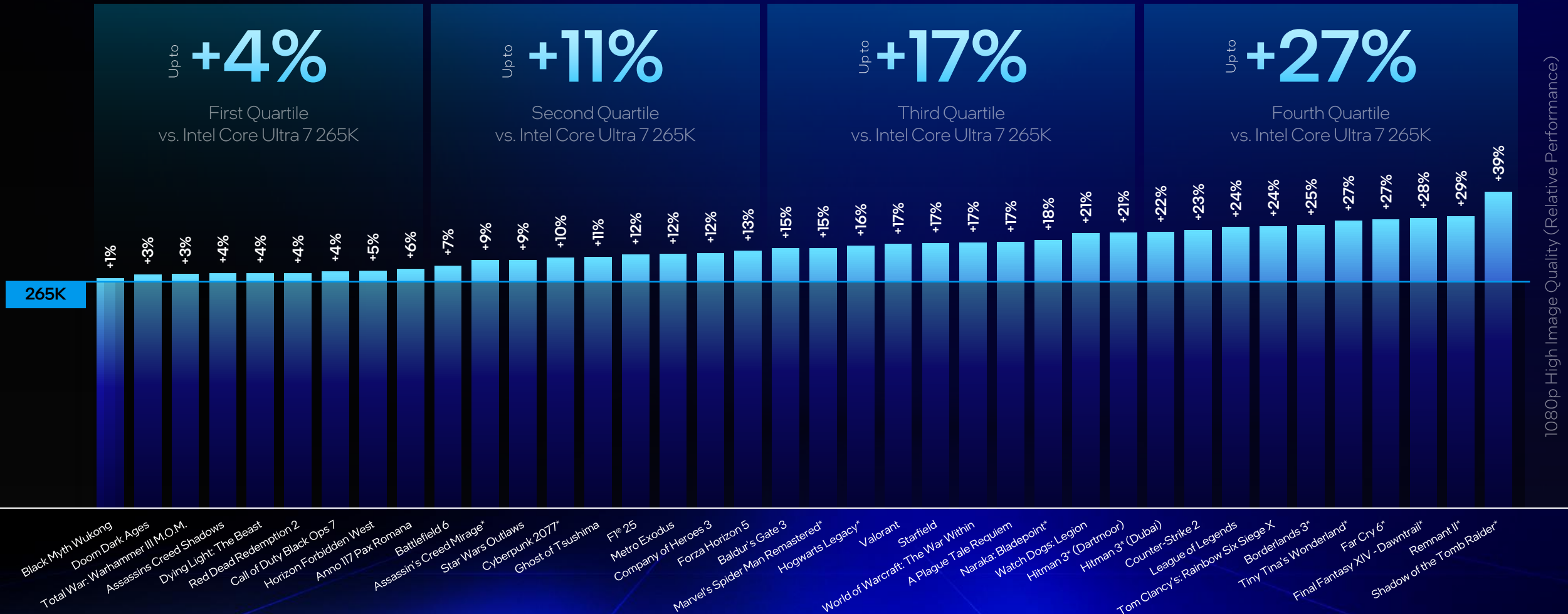
vs. Intel® Core™ Ultra 7 265K

Up to **+4%**
First Quartile
vs. Intel Core Ultra 7 265K

Up to **+11%**
Second Quartile
vs. Intel Core Ultra 7 265K

Up to **+17%**
Third Quartile
vs. Intel Core Ultra 7 265K

Up to **+27%**
Fourth Quartile
vs. Intel Core Ultra 7 265K



1080p High Image Quality (Relative Performance)

Intel® Core™ Ultra 7 270K Plus

*Intel Binary Optimization Tool enabled. Intel® Binary Optimization Tool is an optional feature available by switching on Advanced Mode of Intel® Application Optimization. See intel.com/performanceindex for details. Results may vary



Intel® Core™ Ultra 7 270K Plus Gaming

vs. Intel® Core™ i7-14700K

+9%

Average Uplift @ 1080p
vs. Intel Core i7-14700K

14700K

1080p High Image Quality (Relative Performance)



Intel® Core™ Ultra 7 270K Plus

*Intel Binary Optimization Tool enabled. Intel® Binary Optimization Tool is an optional feature available by switching on Advanced Mode of Intel® Application Optimization. See intel.com/performanceindex for details. Results may vary.

Intel® Core™ Ultra 7 270K Plus Gaming

vs. Intel® Core™ i7-14700K

Up to
-1%
First Quartile
vs. Intel Core i7-14700K

Up to
+6%
Second Quartile
vs. Intel Core i7-14700K

Up to
+12%
Third Quartile
vs. Intel Core i7-14700K

Up to
+19%
Fourth Quartile
vs. Intel Core i7-14700K

14700K

1080p High Image Quality (Relative Performance)



*Intel Binary Optimization Tool enabled. Intel® Binary Optimization Tool is an optional feature available by switching on Advanced Mode of Intel® Application Optimization. See intel.com/performanceindex for details. Results may vary

Intel® Core™ Ultra 7 270K Plus



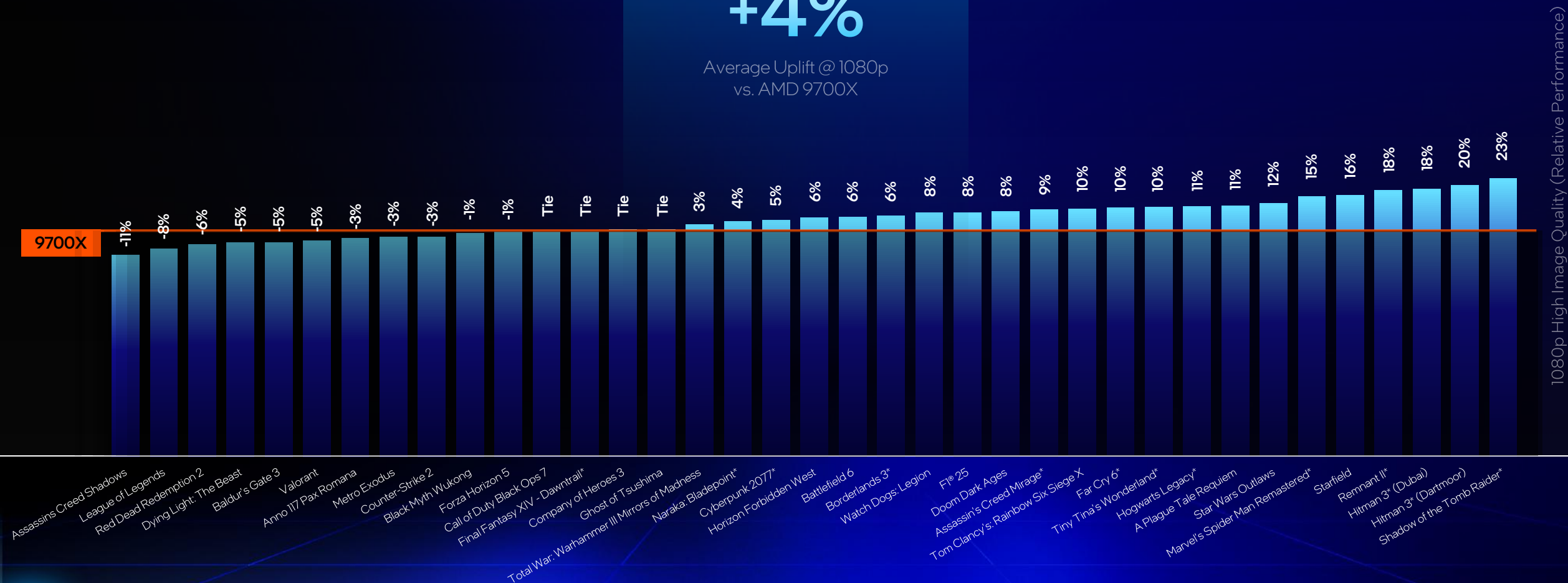
Intel® Core™ Ultra 7 270K Plus Gaming

vs. AMD 9700X

+4%

Average Uplift @ 1080p
vs. AMD 9700X

9700X



1080p High Image Quality (Relative Performance)

Intel® Core™ Ultra 7 270K Plus

*Intel Binary Optimization Tool enabled. Intel® Binary Optimization Tool is an optional feature available by switching on Advanced Mode of Intel® Application Optimization. See intel.com/performanceindex for details. Results may vary.



Intel® Core™ Ultra 7 270K Plus Gaming

vs. AMD 9700X

Up to
-6%

First Quartile
vs. AMD 9700X

Tie

Second Quartile
vs. AMD 9700X

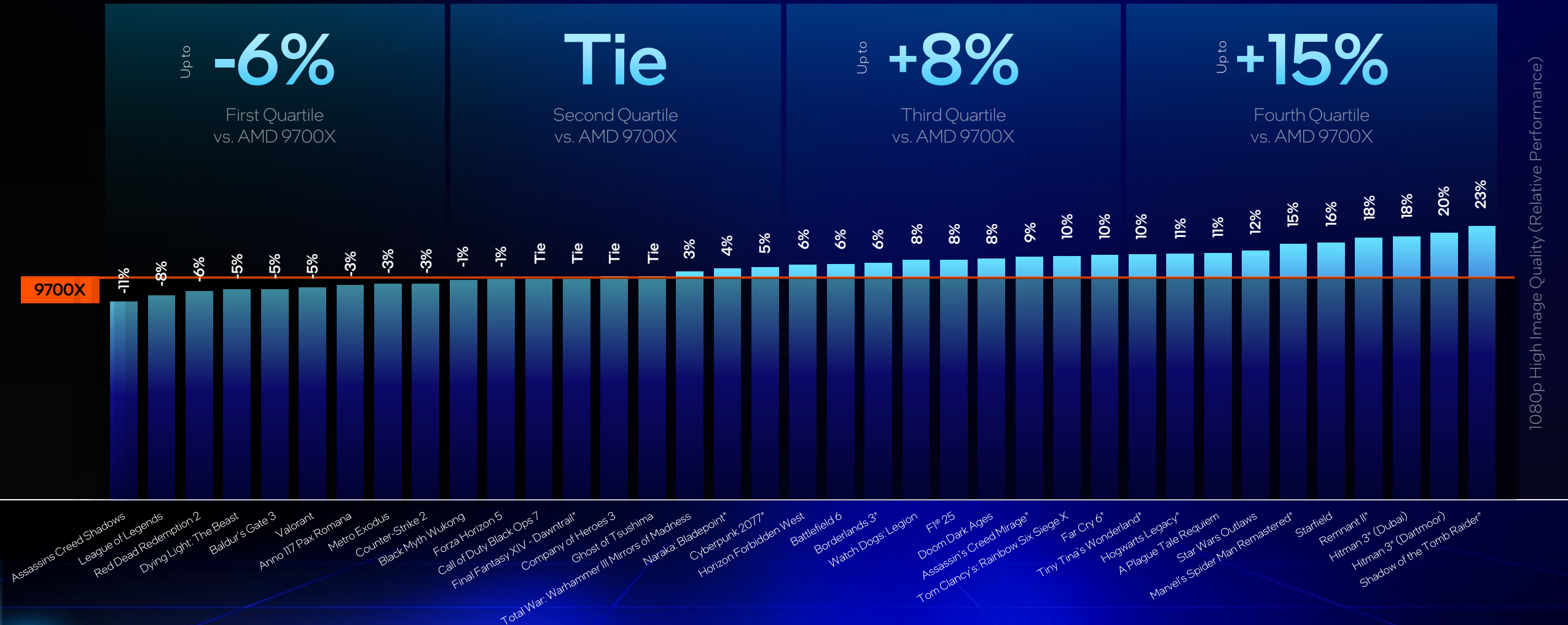
Up to
+8%

Third Quartile
vs. AMD 9700X

Up to
+15%

Fourth Quartile
vs. AMD 9700X

9700X



1080p High Image Quality (Relative Performance)

Intel® Core™ Ultra 7 270K Plus

*Intel Binary Optimization Tool enabled. Intel® Binary Optimization Tool is an optional feature available by switching on Advanced Mode of Intel® Application Optimization. See intel.com/performanceindex for details. Results may vary



Intel® Core™ Ultra5 250K Plus

Solid gaming at an impressive price point



+13%

Average faster gaming
vs Intel Core Ultra 5 245K

+9%

Average faster gaming
vs Intel Core i5-14600K

Up to **-14%**

1st Quartile

Up to **-5%**

2nd Quartile

Up to **+4%**

3rd Quartile

Up to **+15%**

4th Quartile

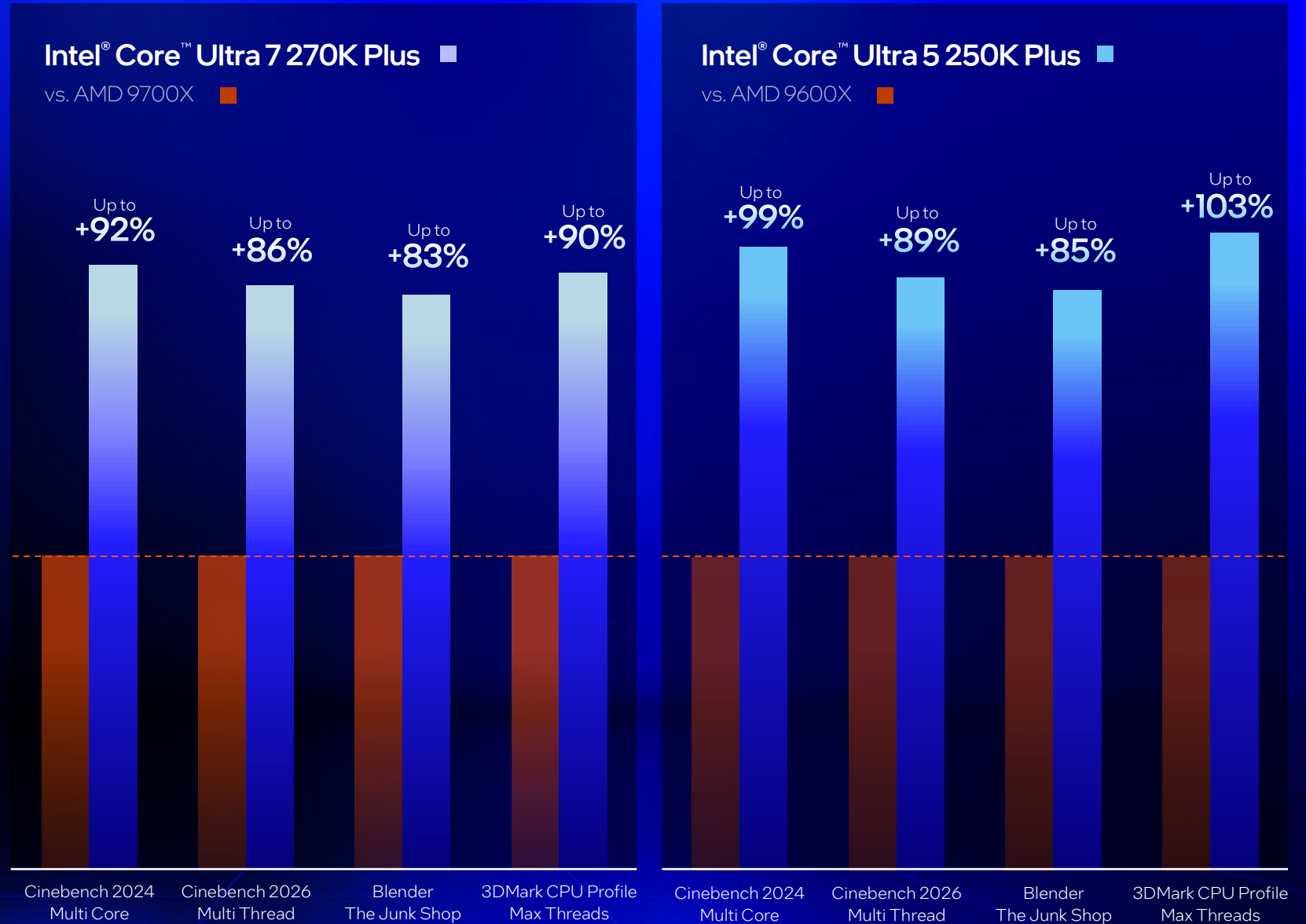
Tied Gaming Performance vs. AMD 9600X
Results include Intel Binary Optimization enabled in supporting gaming titles

Creator Performance



Up to 2x the Multithread Performance

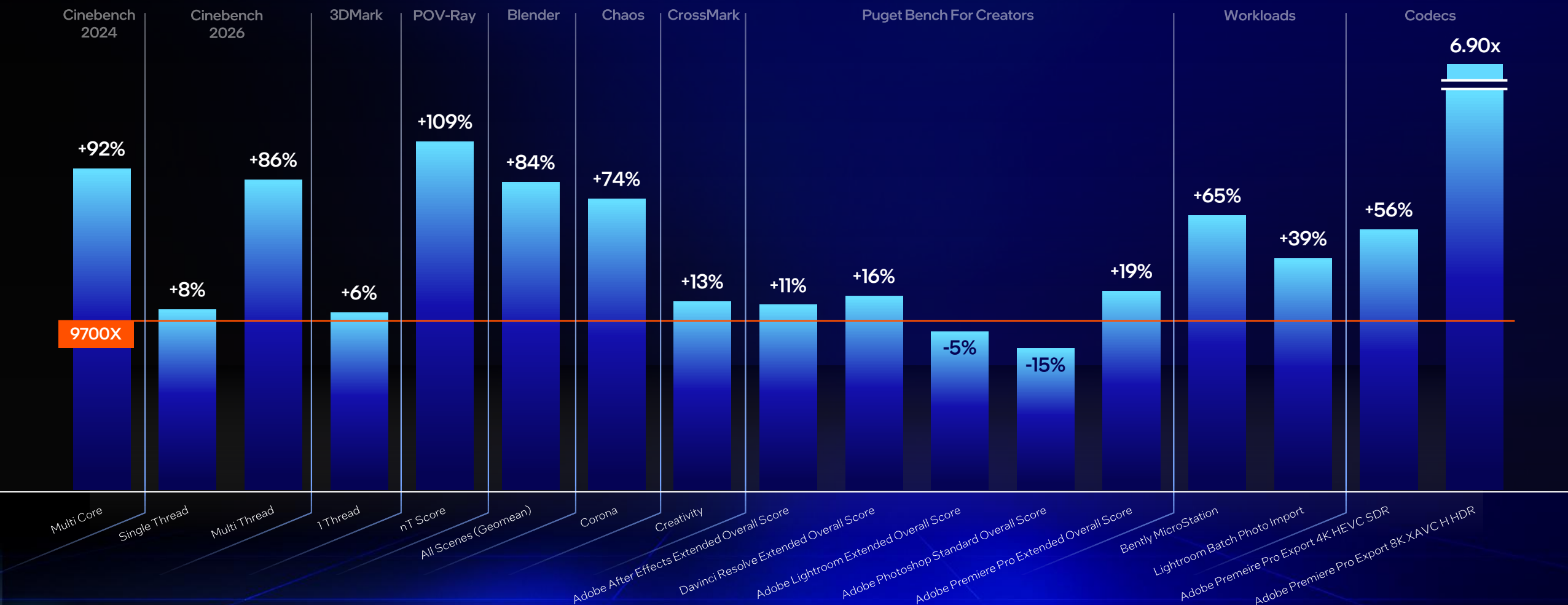
Intel® Core™ Ultra 200S Plus
processors bring more
performance for creators.



See intel.com/performanceindex for details. Results may vary.

Intel® Core™ Ultra 7 270K Plus Dominates in Compute

vs. AMD 9700X



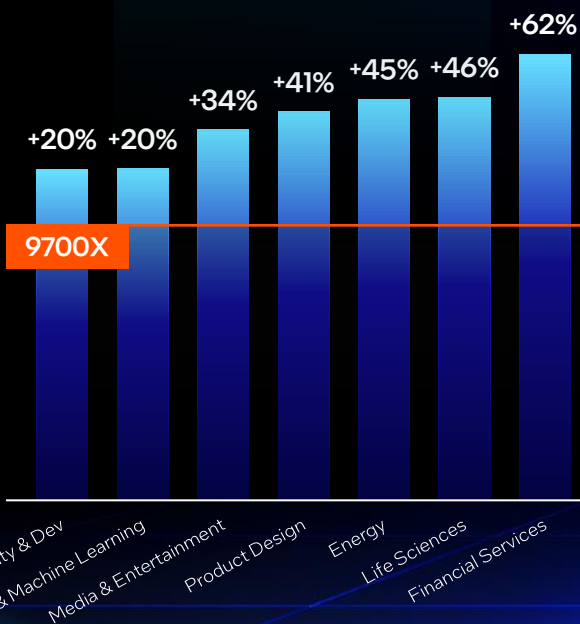
Intel® Core™ Ultra 7 270K Plus SPECWorkstation®

vs. AMD 9700X

Industry Vertical

1.38x

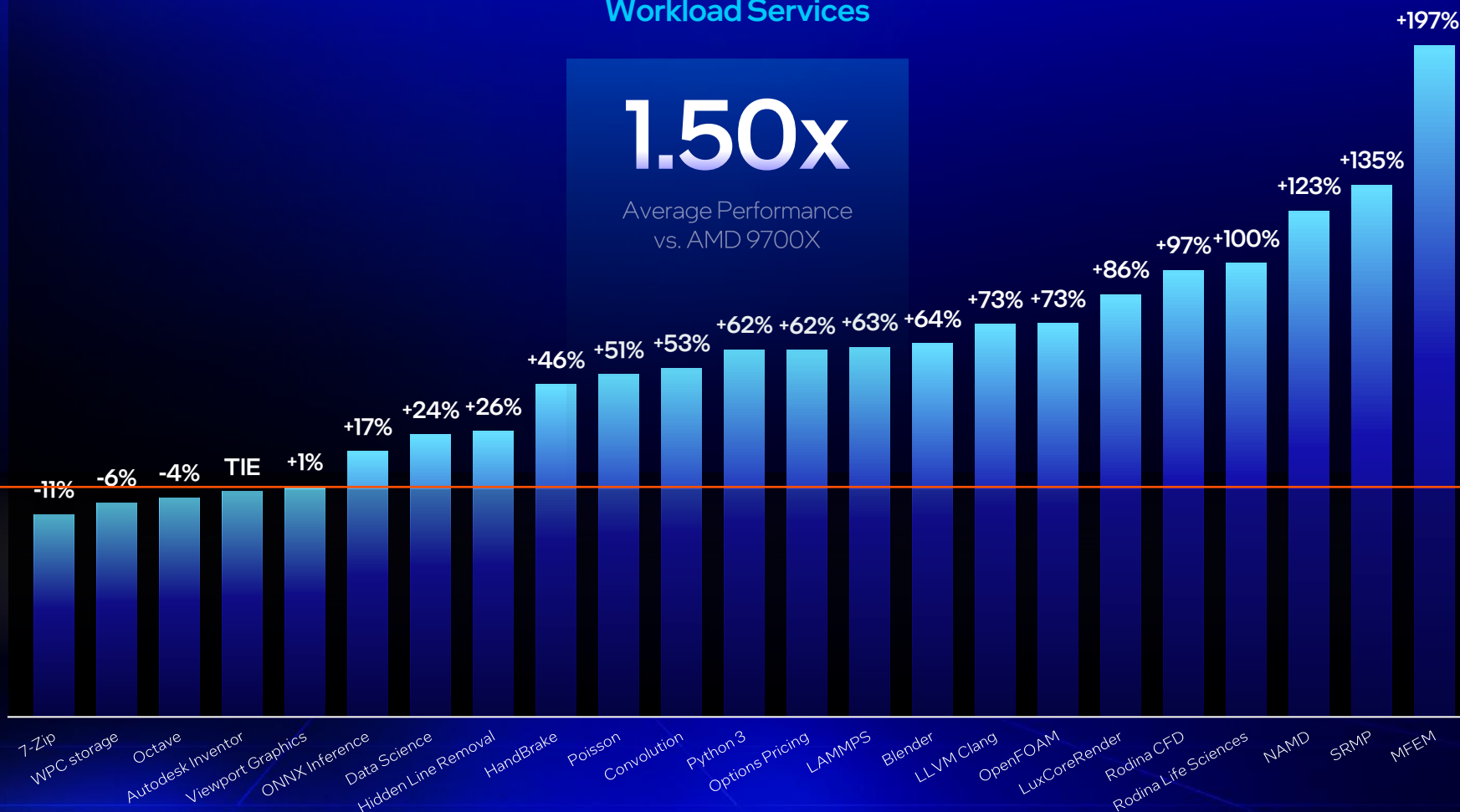
Average Performance
vs. AMD 9700X



Workload Services

1.50x

Average Performance
vs. AMD 9700X



Intel® Core™ Ultra 7 270K Plus

Intel® Core™ Ultra5 250K Plus

Best value creator performance



Up to

+103%

Faster Multicore
vs. AMD Ryzen 5 9600X
3DMark CPU Profiles Max Threads

Up to

+130%

Faster 3D Rendering
vs. AMD Ryzen 5 9600X
POV-Ray Multithread

Up to

+5%

Faster Single Thread
vs. AMD Ryzen 5 9600X
Cinebench 2026 Single Thread

Up to

+19%

Faster Video Editing
vs. AMD Ryzen 5 9600X
Adobe Premiere Pro

Up to

+8%

Faster Photo Editing
vs. AMD Ryzen 5 9600X
Adobe Lightroom

Up to

+75%

Faster Video Export
vs. AMD Ryzen 5 9600X
Export 4K HEVC SDR

See [intel.com/performanceindex](https://www.intel.com/performanceindex) for details. Results may vary.
Price as of March 2026 with an Intel Core Ultra 5 250K Plus at \$199 vs. AMD Ryzen 5 9600X at \$199.

Most Gamers are also Creators

Intel® Core™ Ultra 7 270K Plus

\$299

vs.

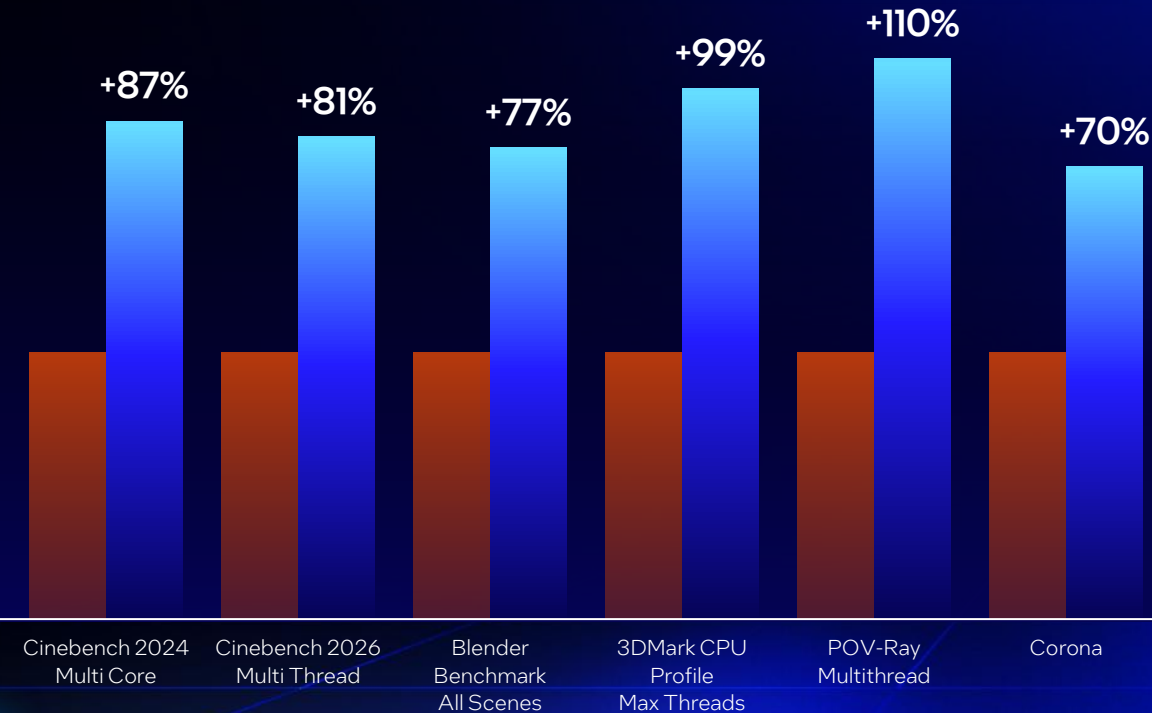
\$462*

AMD Ryzen 7 9800X3D

Content Creation

+87%

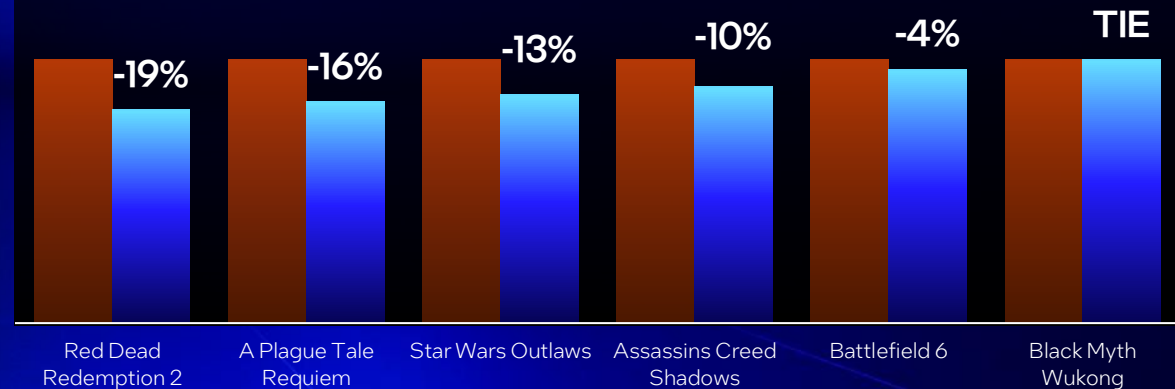
vs. AMD 9800X3D
(geomean)



Gaming

-12%

vs. AMD 9800X3D
(~40 games tested, geomean)



*Source: NewEgg.com as of March 4, 2026.
See [intel.com/performanceindex](https://www.intel.com/performanceindex) for details. Results may vary.

Top Performance, Zero Compromises

Intel® Core™ Ultra 7 270K Plus

\$299

vs.

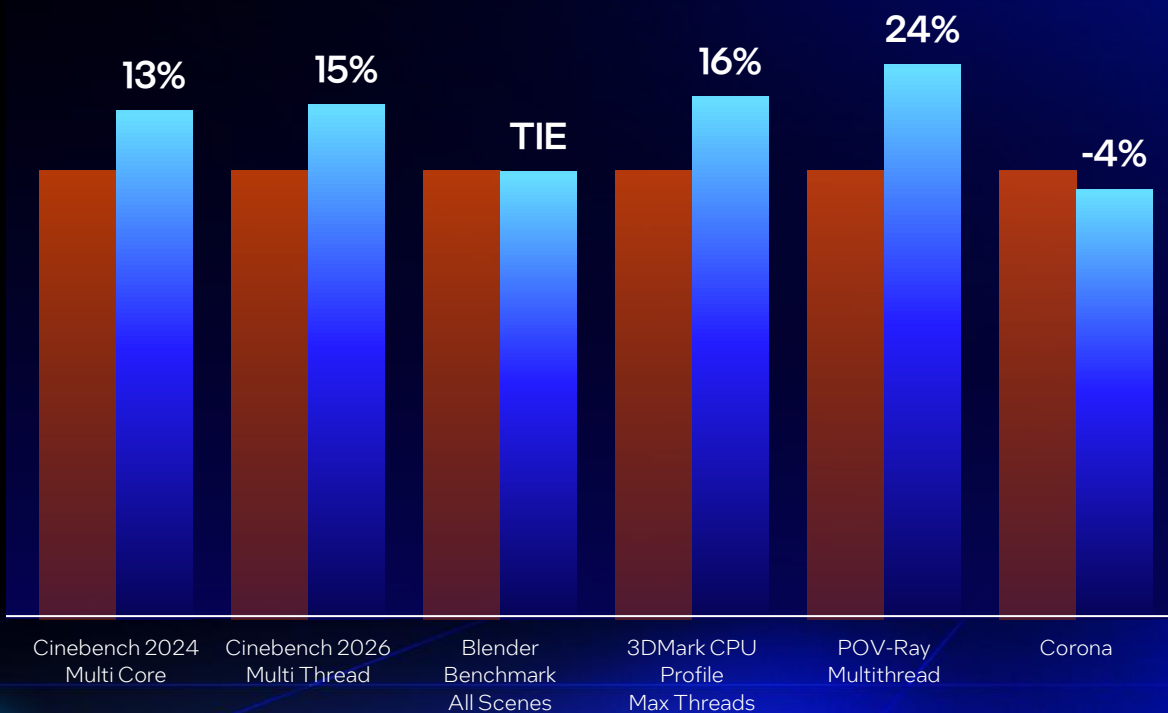
\$519*

AMD Ryzen 9 9950X

Content Creation

+10%

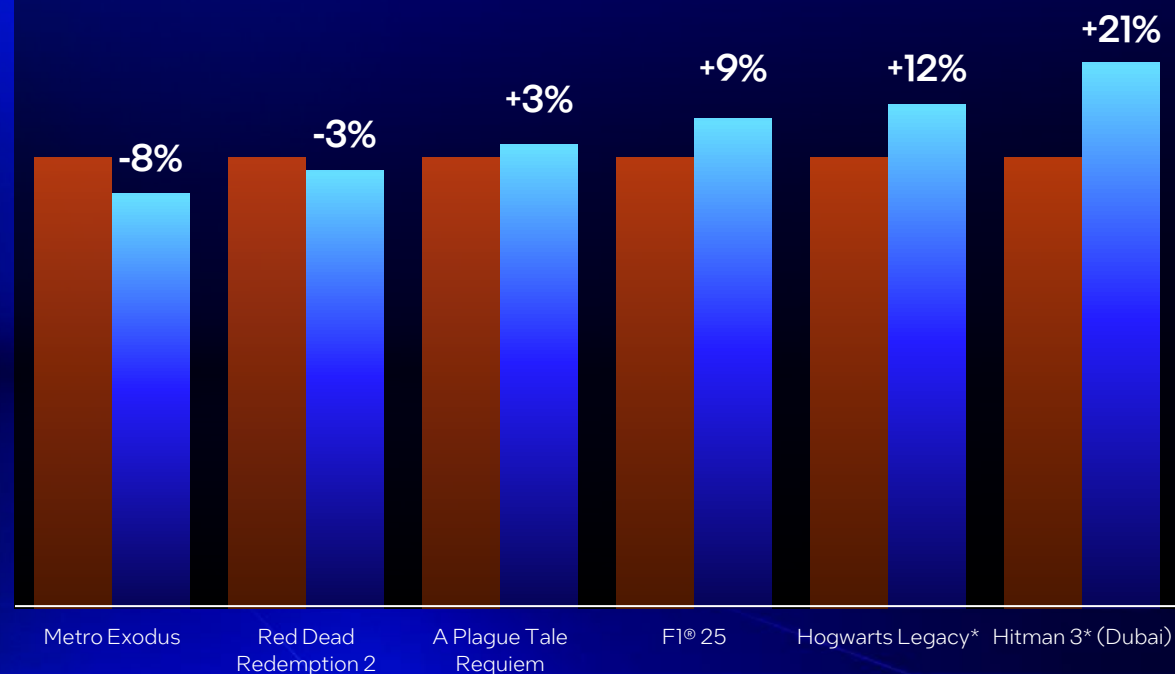
vs. AMD 9950X
(geomean)

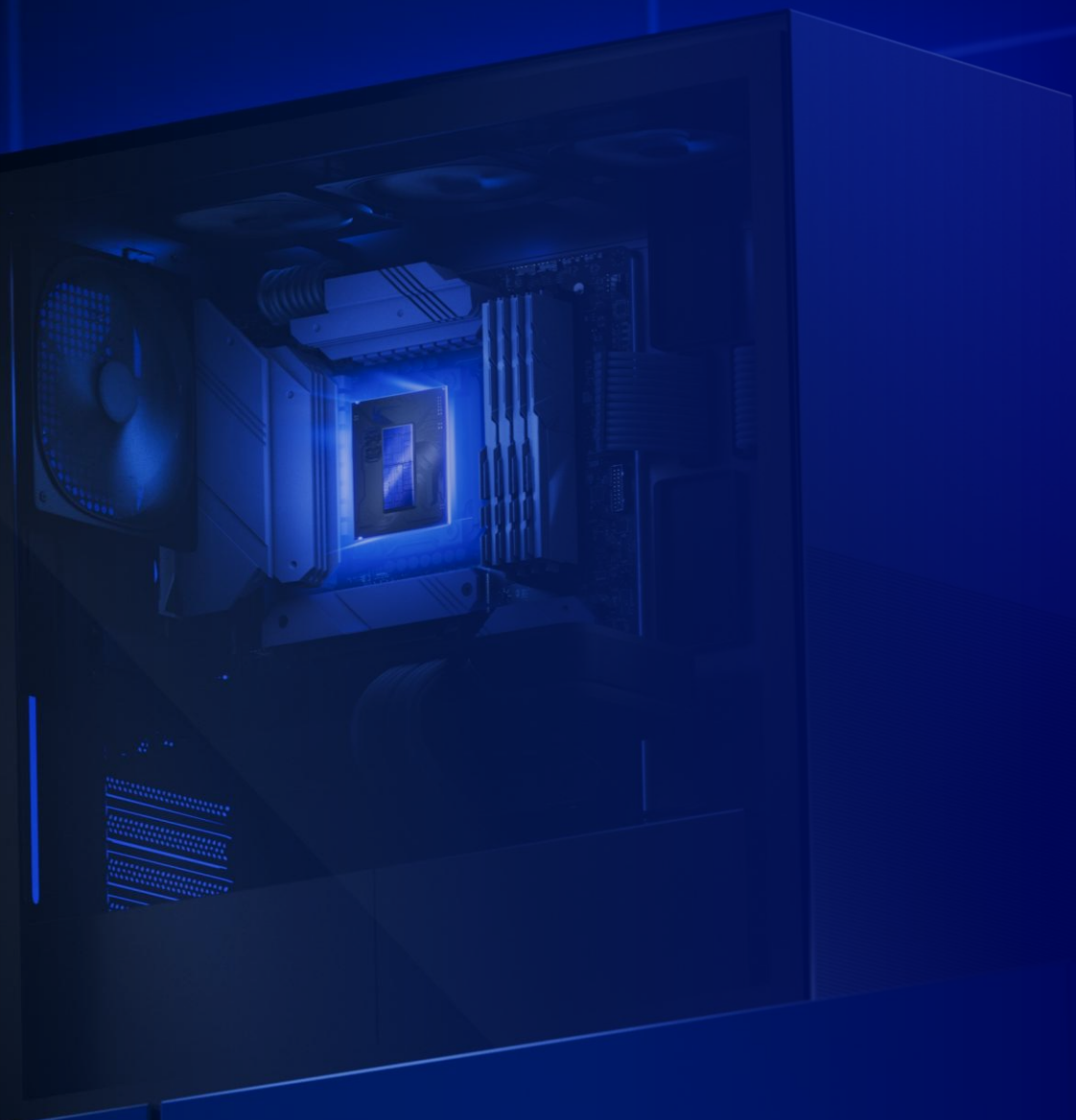


Gaming

+4%

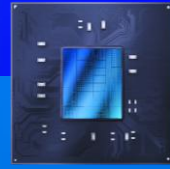
vs. AMD 9950X
(~40 games tested, geomean)





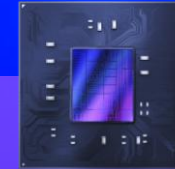
Platform Changes

Intel 800 Series Chipsets



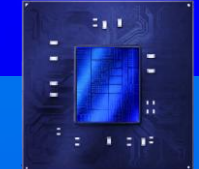
H810

Everyday Use



B860

Light Gaming & Creation



Z890

Enthusiasts

Chipset I/O	Chipset High-Speed I/O Lanes	16	24	34
	DMI Gen 4 Lanes	4	4	8
	Chipset PCIe 4.0 Lanes	8	Up to 14	Up to 24
	SATA 3.0 Ports	4	12	Up to 8
	USB 2.0 Ports	10	12	14
	Maximum USB 3.2 Ports (20G/10G/5G)	0 or 2 or 4	0 or 2 or 4	5 or 10 or 10
	eSPI # Chip Select	2	2	4
Processor	Processor PCI 5.0 Lane Config Support	1x16	1x16 + 1x4	1x16 + 1x4, 2x8 + 1x4, 1x8 + 3x4
	Processor PCI 4.0 Lane Config Support	No	No	1x4
	System Memory Channels/DPC	2/1	2/2	2/2
	ECC Memory Support	No	No	No
	Simultaneous Independent Displays Supported	3	4	4
	IA & BLCK Overclocking	No	No	Yes
	Memory Overclocking	No	Yes	Yes

Intel Z890 Motherboards

NEW

ASRock

ASRock Z890 Taichi
10th Anniversary



ASUS

Asus ROG Maximus
Z890 Hero



COLORFUL[®]

Colorful iGame Z890
Ultra-S W V20



GIGABYTE[™]

Gigabyte Z890 AORUS
Elite WIFI7 Plus



MAXSUN

Maxsun MS-iCraft
Z890 Vertex PRO



msi[®]

MSI MEG Z890 ACE





ASRock



ASUS



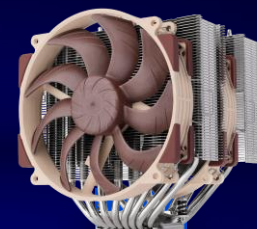
Intel Optimized Thermal Solutions Partners



GIGABYTE™



msi



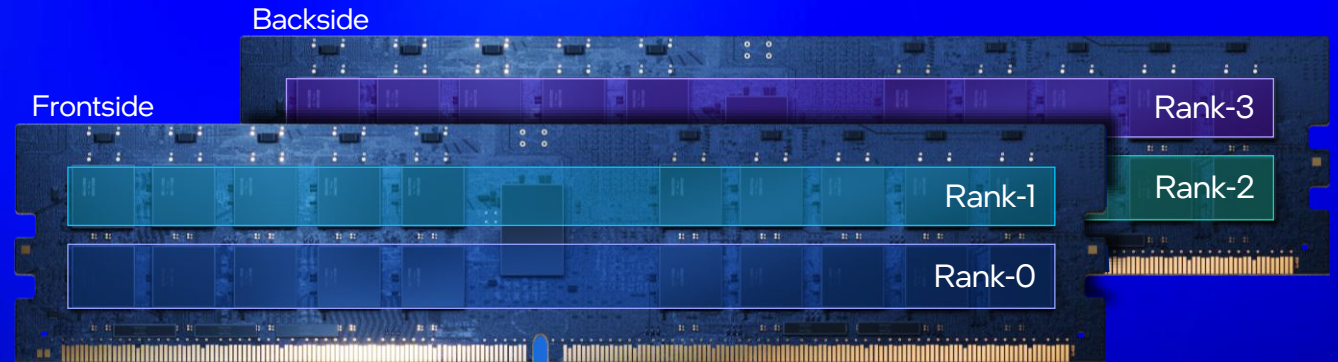
noctua



tt thermaltake

DDR5 4-Rank CUDIMMs

High-capacity memory modules with a 4-rank architecture that doubles the capacity compared to traditional 2-rank modules.



Up to
128GB
Capacity per module

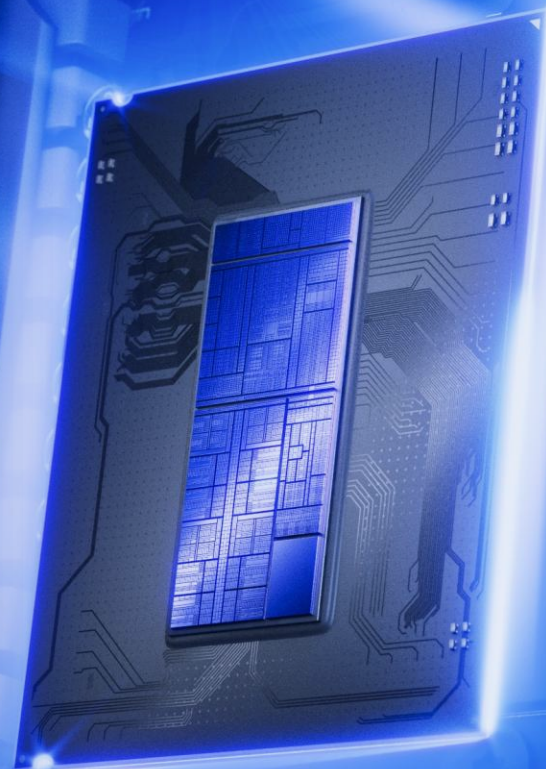
Early Access
**Available on select
Intel 800 Series
mobos with QVL**

Built for
**No-compromise
latency, capacity,
and bandwidth**

New Designs From Global Partners

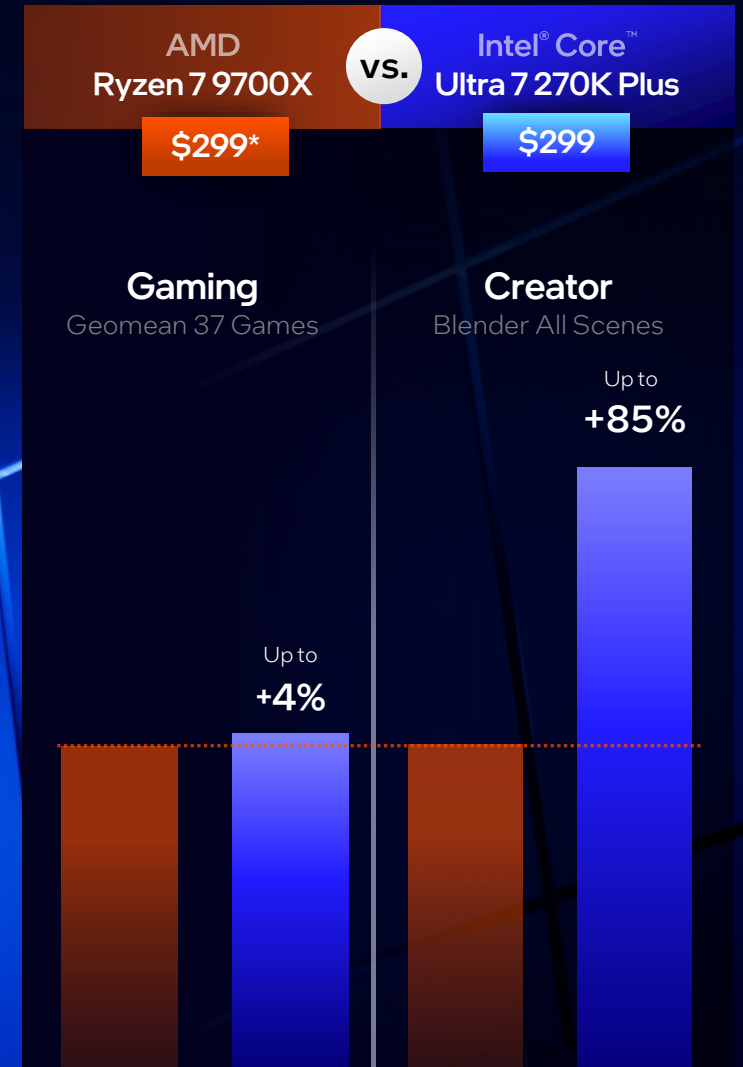


Product Recap



Intel® Core™ Ultra 200S Plus

An incredible value for enthusiasts

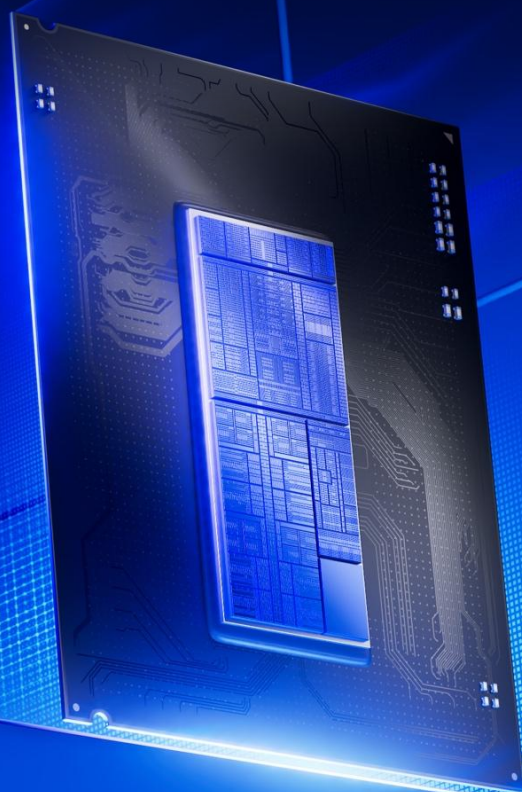


See [intel.com/performanceindex](https://www.intel.com/performanceindex) for details. Results may vary.
Gaming results include Intel Binary Optimization Tool where supported. Intel® Binary Optimization Tool is an optional feature available by switching on Advanced Mode of Intel Application Optimization."

*Source: NewEgg.com on March 1, 2026

Intel® Core™ Ultra 200S Plus

The complete package



Leap in Gaming
Performance

Up to **+15%**

Faster Gaming Performance
vs Intel Core Ultra 7 265K
Geomean 37 games

Dominates in
Compute

Up to **+109%**

Faster 3D Rendering
vs AMD Ryzen 7 9700X
POV-Ray Multithread

Intel® Binary
Optimization Tool

Up to **+27%**

Gaming Performance
Improvement
disabled vs enabled

An industry-first
for enthusiast
performance

Intel Binary Optimization Tool

More cores, more
performance,
easier than ever

Fantastic value
for enthusiasts

Intel® Platform
Performance
Package

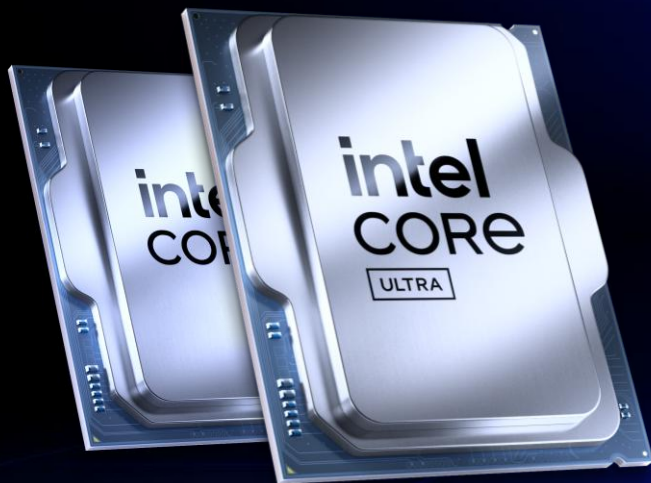
One download with all the
platform goodies



intel

intel

Desktop Processors 2026



		Cores	Threads	Max Freq	Smart Cache	DRAM	TDP
Halo	Intel® Core™ Ultra 9 285K	24 (8+16)	24	5.7 GHz	36 MB	DDR5	125 W
	Intel® Core™ i9-14900K/F	24 (8+16)	32	6 GHz	36 MB	DDR5 or DDR4	125 W
Enthusiast	Intel® Core™ Ultra 9 285	24 (8+16)	24	5.6 GHz	36 MB	DDR5	65 W
	Intel® Core™ Ultra 7 270K Plus	24 (8+16)	24	5.5 GHz	36 MB	DDR5	125 W
	Intel® Core™ Ultra 7 265K/F	20 (8+12)	20	5.5 GHz	30 MB	DDR5	125 W
	Intel® Core™ Ultra 7 265/F	20 (8+12)	20	5.3 GHz	30 MB	DDR5	65 W
	Intel® Core™ Ultra 5 250K/F Plus	18 (6+12)	18	5.3 GHz	30 MB	DDR5	125 W
	Intel® Core™ Ultra 5 245K/F	14 (6+8)	14	5.2 GHz	24 MB	DDR5	125 W
	Intel® Core™ Ultra 5 245	14 (6+8)	14	5.1 GHz	24 MB	DDR5	65 W
	Intel® Core™ Ultra 5 235	14 (6+8)	14	5 GHz	24 MB	DDR5	65 W
Mainstream	Intel® Core™ Ultra 5 225/F	10 (6+4)	10	4.9 GHz	20 MB	DDR5	65 W
	Intel® Core™ i9-14900	24 (8+16)	32	5.8 GHz	36 MB	DDR5 or DDR4	65 W
	Intel® Core™ i7-14700K/F	20 (8+12)	28	5.6 GHz	33 MB	DDR5 or DDR4	125 W
	Intel® Core™ i7-14700/F	20 (8+12)	28	5.4 GHz	33 MB	DDR5 or DDR4	65 W
	Intel® Core™ i5-14600K/F	14 (6+8)	20	5.3 GHz	24 MB	DDR5 or DDR4	125 W
	Intel® Core™ i5-14600	14 (6+8)	20	5.2 GHz	24 MB	DDR5 or DDR4	65 W
	Intel® Core™ i5-14500	14 (6+8)	20	5 GHz	24 MB	DDR5 or DDR4	65 W
	Intel® Core™ i5-14400/F	10 (6+4)	16	4.7 GHz	20 MB	DDR5 or DDR4	65 W
Entry	Intel® Core™ i3-14100/F	4 (4+0)	8	4.7 GHz	12 MB	DDR5 or DDR4	60/ 58 W
	Intel® Core™ i9-12900K/F	16 (8+8)	24	5.2 GHz	30 MB	DDR5 or DDR4	125 W
	Intel® Core™ i9-12900/F	16 (8+8)	24	5.1 GHz	30 MB	DDR5 or DDR4	65 W
	Intel® Core™ i7-12700K/F	12 (8+4)	20	5.0 GHz	25 MB	DDR5 or DDR4	125 W
	Intel® Core™ i7-12700/F	12 (8+4)	20	4.9 GHz	25 MB	DDR5 or DDR4	65 W
	Intel® Core™ i5-12600K/F	10 (6+4)	16	4.9 GHz	20 MB	DDR5 or DDR4	125 W
	Intel® Core™ i5-12600	6 (6+0)	12	4.8 GHz	18 MB	DDR5 or DDR4	65 W
	Intel® Core™ i5-12500	6 (6+0)	12	4.6 GHz	18 MB	DDR5 or DDR4	65 W
	Intel® Core™ i5-12400/F	6 (6+0)	12	4.4 GHz	18 MB	DDR5 or DDR4	65 W
	Intel® Core™ i3-12300	4 (4+0)	8	4.4 GHz	12 MB	DDR5 or DDR4	60 W
	Intel® Core™ i3-12100/F	4 (4+0)	8	4.3 GHz	12 MB	DDR5 or DDR4	60/ 58 W

Appendix

Claim # & Statement

Slide # & Title/Details

1. Intel's fastest gaming processors ever

Slide 4: Intel Core Ultra 200S Plus: More Cores x More Technology

As of March 2026, refers to Intel® Core™ Ultra 7 270K Plus processor among all Intel desktop processors targeting ~125W TDP, based on superior gaming performance, including benefit of Intel Binary Optimization Tool feature when enabled on select titles, as measured by average FPS @1080p - high settings, geomean of 37 games, including: A Plague Tale: Requiem, Anno 117: Pax Romana, Assassin's Creed: Mirage, Assassin's Creed: Shadows, Baldur's Gate 3, Battlefield 6, Black Myth Wukong, Borderlands 3, Call of Duty: Black Ops 7, Company of Heroes 3, Counter Strike 2, Cyberpunk 2077, DOOM: The Dark Ages, Dying Light: The Beast, F1® 25, Far Cry 6, Final Fantasy XIV, Forza Horizon 5, Ghosts of Tsushima, Hitman 3 (World of Assassination), Hogwarts Legacy, Horizon Forbidden West, League of Legends, Marvel's Spider Man – Remastered, Metro Exodus, Naraka Bladepoint, Red Dead Redemption 2, Remnant II, Shadow of the Tomb Raider, Star Wars Outlaws, Starfield, Tiny Tina's Wonderlands, Tom Clancy's: Rainbow Six Siege X, Total War: Warhammer III, Valorant, Watch Dogs Legion, World of Warcraft: The War Within

Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026 ; Power Plan set to High Performance, Power Mode set to High Performance. Intel Binary Optimization Tool On.

Processor: Intel Core Ultra 9 285K (Arrow Lake) TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO; Memory: 32GB(2x16GB) DDR5 6400; Memory Timings: 32-5-5-5-102; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: 2302; Power Plan set to High Performance, Power Mode set to High Performance.

Processor: Intel Core i9 14900K (Raptor Lake R) TDP=253W; tested in Asus ROG MAXIMUS Z790 HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.7082; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 3107 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

As measured by 3DMark CPU Profile Max Threads

2. Up to 2x faster multicore vs the competition

Processor: Intel Core Ultra 5 250K Plus (Arrow Lake R); TDP=159W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026 ; Power Plan set to High Performance, Power Mode set to High Performance.

Processor: AMD Ryzen 5 9600X (Granite Ridge) TDP=65W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

3. More performance per dollar for enthusiasts

Defined as performance per U.S. dollar within Intel desktop processors. Gaming value measured by average FPS per U.S. dollar at 1080p, high settings, geomean of 6 games, with Intel® Binary Optimization Tool enabled where supported. Content creation value measured by geomean performance per U.S. dollar across 4 creation benchmarks for the enthusiast desktop segment, compared to Intel's two prior-generation desktop processors targeting ~125W TDP. Intel® Core™ Ultra 5 250K Plus MSRP: \$199 USD. Prior-generation Intel processor pricing sourced from Newegg.com (U.S.) as of March 2026 and is subject to change.



Claim # & Statement

Slide # & Title/Details

	Slide 17: Post Silicon Performance Optimization – Intel APO As measured by League of Legends on the Intel Core Ultra 7 270K Plus with APO disabled vs enabled. Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026 ; Power Plan set to High Performance, Power Mode set to High Performance. Intel Binary Optimization Tool On.
4. Up to 7% faster gaming with APO enabled	
	Slide 20: Post Silicon Performance Optimization – Intel HWPGO Performance results are based on testing as of March 2025. Chaos V-Ray with Maxon Cinema 4D: This workload measures the time in seconds to render a scene using the V-Ray rendering plugin for Cinema 4D. Processor: Intel® Core™ Ultra 9 285H processor; tested on an Intel Internal development system; Memory: DDR5-6400 64GB; Display Resolution: 1920x1080; OS: Microsoft Windows 11 26100.2454; Intel Arc Graphics 32.0.101.6629; NPU Driver: 32.0.100.3159; BIOS: PR3 CORP; Power Plan set to Balanced, Power Mode set to “Best Performance”
5. Up to 13% faster V-Ray for Cinema4D performance	
	Slide 30: Intel Binary Optimization Tool As measured by average FPS at 1080p High across 19 Intel Binary Optimization Tool enabled game titles: Shadow of the Tomb Raider, Naraka: Bladepoint, Tiny Tina’s Wonderland, Remnant II, Far Cry 6, Borderlands 3, Hogwarts Legacy, Final Fantasy XIV - Dawntrail, Hitman 3, Marvel’s Spider Man Remastered, Cyberpunk 2077, Assassin’s Creed Mirage, Metro Exodus Enhanced Edition, The Callisto Protocol, Homeworld 3, Ori and Will of the Wisps, Little Nightmares III, Warframe, and Hollow Knight Silksong at 1080p High, comparing performance with Intel Binary Optimization Tool enabled versus disabled.
6. 10% average FPS uplift, disabled vs enabled	
7. Up to 27% faster gaming, disabled vs enabled	As measured by average FPS @1080p - high settings with Hollow Knight: Silksong on the Intel Core Ultra 7 270K Plus with Intel Binary Optimization Tool disabled and enabled. Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested on an ASUS ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Storage: Samsung SSD 990 PRO 2TB; OS: Windows 11 Pro 26200.8328; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8425; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9636; NPU Driver: 32.0.100.4023; BIOS: AMI 3103 3/26/2026; Power Plan set to High Performance, Power Mode set to High Performance; Intel Binary Optimization Tool tested both disabled and enabled.
	Slide 32: FPS Uplift with Intel Binary Optimization Tool
8. On average 10% faster gaming when enabled	See claim 6
	Slide 35: Intel Binary Optimization Tool, Machine code translation for more than compatibility
9. Gaming performance improvements up to 27%	See claim 7

Claim # & Statement

Slide # & Title/Details

10. Intel Core Ultra 7 270K Plus delivers 15% geomean faster gaming than the Intel Core Ultra 7 265K

Slide 40: Intel Core Ultra 7 270K Plus Gaming vs Intel Core Ultra 7 265K

As measured by geomean of average FPS across 37 games at 1080p High on Intel® Core Ultra 7 270K Plus, including benefits from Intel Binary Optimization Tool feature enabled on select titles, compared to Intel® Core Ultra 7 265K.

Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026 ; Power Plan set to High Performance, Power Mode set to High Performance. Intel Binary Optimization Tool On.

Processor: Intel Core Ultra 7 265K (Arrow Lake) TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO; Memory: 32GB(2x16GB) DDR5 6400; Memory Timings: 32-5-5-5-102; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: 2302 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

11. Intel Core Ultra 7 270K Plus delivers 9% geomean faster gaming than the Intel Core i7-14700K

Slide 42: Intel Core Ultra 7 270K Plus Gaming vs Intel Core i7-14700K

As measured by geomean of average FPS across 37 games at 1080p High on Intel® Core Ultra 7 270K Plus, including benefits from Intel Binary Optimization Tool feature enabled on select titles, compared to Intel® Core i7 14700K.

Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026 ; Power Plan set to High Performance, Power Mode set to High Performance. Intel Binary Optimization Tool On.

Processor: Intel Core i7-14700K (Raptor Lake R) TDP=253W; tested in Asus ROG MAXIMUS Z790 HERO; Memory: 32GB(2x16GB) DDR5 6400; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.7082; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 3107 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

12. Intel® Core™ Ultra 270K Plus delivers 4% geomean faster gaming performance vs. competition across 37 games

Slide 44: Intel Core Ultra 7 270K Plus Gaming vs AMD 9700X

As measured by geomean of average FPS across 37 games at 1080p High on Intel® Core™ Ultra 7 270K Plus, including benefits from Intel Binary Optimization Tool feature enabled on select titles, compared to AMD Ryzen™ 7 9700X.

Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 38-48-48-128; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026; Power Plan set to High Performance, Power Mode set to High Performance. Intel Binary Optimization Tool On.

Processor: AMD Ryzen 7 9700X (Granite Ridge) TDP=65W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.



Claim # & Statement

Slide # & Title/Details

13. Intel Core Ultra 5 250K Plus delivers 13% geomean faster gaming than the Intel Core Ultra 5 245K

Slide 46: Intel Core Ultra 5 250K Plus – Solid gaming at an impressive price point

As measured by geomean of average FPS across 37 games at 1080p High on Intel® Core™ Ultra 5 250K Plus, including benefits from Intel Binary Optimization Tool feature enabled on select titles, compared to Intel® Core™ Ultra 5 245K.

Processor: Intel Core Ultra 5 250K Plus (Arrow Lake R); TDP=159W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950, 1/23/2026 ; Power Plan set to High Performance, Power Mode set to High Performance. Intel Binary Optimization Tool On

Processor: Intel Core Ultra 5 245K (Arrow Lake) TDP=159W; tested in Asus ROG MAXIMUS Z890 HERO; Memory: 32GB(2x16GB) DDR5 6400; Memory Timings: 32-5-5-5-102; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: 2302 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

14. Intel Core Ultra 5 250K Plus delivers 9% geomean faster gaming than the Intel Core i5-14600K

As measured by geomean of average FPS across 37 games at 1080p High on Intel® Core™ Ultra 5 250K Plus, including benefits from Intel Binary Optimization Tool feature enabled on select titles, compared to Intel® Core™ i5 14600K.

Processor: Intel Core Ultra 5 250K Plus (Arrow Lake R); TDP=159W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950, 1/23/2026 ; Power Plan set to High Performance, Power Mode set to High Performance. Intel Binary Optimization Tool On.

Intel® Binary Optimization Tool is an optional feature available by switching on advanced mode of Intel® Application Optimization, which is a policy within Intel® Dynamic Tuning Technology that optimizes performance on select games when played on required configurations on select Intel® Core™ processors. Learn more at <https://www.intel.com/content/www/us/en/support/articles/000095419/processors.html> for additional details and see ark.intel.com for product details.

Processor: Intel Core i5 14600K (Raptor Lake R) TDP=181W; tested in Asus ROG MAXIMUS Z790 HERO; Memory: 32GB(2x16GB) DDR5 6400; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.7082; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 3107 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

15. Intel Core Ultra 5 250K Plus delivers tied gaming performance of the AMD Ryzen5 9600X

As measured by geomean of average FPS across 37 games at 1080p High on Intel® Core™ Ultra 5 250K Plus, including benefits from Intel Binary Optimization Tool feature enabled on select titles, compared to AMD Ryzen™ 5 9600X.

Processor: Intel Core Ultra 5 250K Plus (Arrow Lake R); TDP=159W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950, 1/23/2026 ; Power Plan set to High Performance, Power Mode set to High Performance. Intel Binary Optimization Tool On.

Processor: AMD Ryzen 5 9600X (Granite Ridge) TDP=65W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

Impressive price point

Intel Core Ultra 5 250K is priced starting from \$199 USD.



Claim # & Statement	Slide # & Title/Details
	Slide 48: Up to 2x the multithread performance
16. Up to 2x the multithread performance	See claim 2
17. Intel® Core™ Ultra 7 270K Plus delivers up to 92% faster multi core performance	As measured by Cinebench 2024 Multiple Core vs. an AMD Ryzen™ 7 9700X
18. Intel® Core™ Ultra 7 270K Plus delivers up to 86% faster multithread performance	As measured by Cinebench 2024 Multiple Thread vs. an AMD Ryzen™ 7 9700X
19. Intel® Core™ Ultra 7 270K Plus delivers up to 83% better Blender performance	As measured by Blender Benchmark Junkshop sub-score vs. an AMD Ryzen™ 7 9700X
20. Intel® Core™ Ultra 7 270K Plus delivers up to 90% faster multi thread performance	As measured by 3DMark CPU Profile Max Threads vs. an AMD Ryzen™ 7 9700X
	Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026; Power Plan set to High Performance, Power Mode set to High Performance. Processor: AMD Ryzen 7 9700X (Granite Ridge) TDP=65W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.
21. Intel® Core™ Ultra 5 250K Plus delivers up to 99% faster multi core performance	As measured by Cinebench 2024 Multiple Core vs an AMD Ryzen™ 5 9600X
22. Intel® Core™ Ultra 5 250K Plus delivers up to 89% faster multithread performance	As measured by Cinebench 2024 Multiple Thread vs an AMD Ryzen™ 5 9600X
23. Intel® Core™ Ultra 5 250K Plus delivers up to 85% better Blender performance	As measured by Blender Benchmark Junkshop sub-score vs an AMD Ryzen™ 5 9600X
24. Intel® Core™ Ultra 5 250K Plus delivers up to 103% faster multithread performance	As measured by 3DMark CPU Profile Max Threads vs an AMD Ryzen™ 5 9600X
	Processor: Intel Core Ultra 5 250K Plus (Arrow Lake R); TDP=159W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026 ; Power Plan set to High Performance, Power Mode set to High Performance. Processor: AMD Ryzen 5 9600X (Granite Ridge) TDP=65W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

Claim # & Statement	Slide # & Title/Details
	Slide 49: Intel Core Ultra 7 270K Plus Dominates in Compute
25. Intel® Core™ Ultra 7 270K Plus series delivers up to 92% faster multithread performance vs an AMD Ryzen™ 7 9700X	As measured by Cinebench 2024 Multiple Core.
26. Intel® Core™ Ultra 7 270K Plus delivers up to 8% faster single-threaded performance vs. an AMD Ryzen™ 7 9700X	As measured by Cinebench 2026 Single Thread.
27. Intel® Core™ Ultra 7 270K Plus delivers up to 86% faster multi-threaded performance vs an AMD Ryzen™ 7 9700X	As measured by Cinebench 2026 Multiple Threads.
28. Intel® Core™ Ultra 7 270K Plus processor delivers up to 6% faster single-threaded performance vs. an AMD Ryzen™ 7 9700X	As measured by 3DMark CPU Profile 1 Threads.
29. Intel® Core™ Ultra 7 270K Plus processor delivers up to 109% better POV-Ray MT performance vs. an AMD Ryzen™ 7 9700X	As measured by POV-Ray MT rendered average PPS benchmark sub-score.
30. Intel® Core™ Ultra 7 270K Plus processor delivers up to 84% better Blender performance vs an AMD Ryzen™ 7 9700X	As measured by Blender Benchmark all scenes geomean
31. Intel® Core™ Ultra 7 270K Plus processor delivers up to 74% better Chaos Corona 10 benchmark performance vs. an AMD Ryzen™ 7 9700X	As measured by Corona 10 benchmark rays/s score.
32. Intel® Core™ Ultra 7 270K Plus processor delivers up to 13% better creativity performance vs. an AMD Ryzen™ 7 9700X	As measured by CrossMark Creativity sub-score.
33. Intel® Core™ Ultra 7 270K Plus processor delivers up to 11% better Adobe After Effects performance vs. an AMD Ryzen™ 7 9700X	As measured by PugetBench Adobe After Effects Extended score.
34. Intel® Core™ Ultra 7 270K Plus processor delivers up to 16% better DaVinci Resolve performance vs. an AMD Ryzen™ 7 9700X	As measured by PugetBench DaVinci Resolve Studio Extended score.
	Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026; Power Plan set to High Performance, Power Mode set to High Performance. Processor: AMD Ryzen 7 9700X (Granite Ridge) TDP=65W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

Claim # & Statement

Slide # & Title/Details

	Slide 49: Intel Core Ultra 7 270K Plus Dominates in Compute
35. Intel® Core™ Ultra 7 270K Plus is -5% slower in Adobe Lightroom vs an AMD Ryzen™ 7 9700X	As measured by PugetBench Adobe Lightroom Extended score.
36. Intel® Core™ Ultra 7 270K Plus is -15% slower in Adobe Photoshop vs an AMD Ryzen™ 7 9700X	As measured by PugetBench Adobe Photoshop Standard score.
37. Intel® Core™ Ultra 7 270K Plus processor delivers up to 19% better Adobe Premiere Pro performance with Intel® Core™ Ultra 7 270K Plus vs. an AMD Ryzen™ 7 9700X	As measured by PugetBench Adobe Premiere Pro Extended score.
38. Intel® Core™ Ultra 7 270K Plus processor delivers up to 65% faster rendering performance on Bentley MicroStation vs. an AMD Ryzen™ 7 9700X	As measured by time taken by Bentley MicroStation to Render a Scene with Relighting enabled.
39. Intel® Core™ Ultra 7 270K Plus processor delivers up to 39% faster photo batch import performance on Adobe Lightroom Classic vs. an AMD Ryzen™ 7 9700X	As measured by time taken by Adobe Lightroom Classic to import 120 CR2 files using 'Copy as DNG' and 1:1 Previews.
40. Intel® Core™ Ultra 7 270K Plus processor delivers up to 56% video conversion performance on Adobe Premiere Pro vs. an AMD Ryzen™ 7 9700X	As measured by Adobe Premiere Pro Export feature, time to export a video in UHD HEVC SDR format with 24fps 63Mbps data rate to HD HEVC format with 59.94fps 12Mbps data rate
41. Intel® Core™ Ultra 7 270K Plus processor delivers up to 6.9X faster video conversion performance on Adobe Premiere Pro vs. an AMD Ryzen™ 7 9700X	As measured by Adobe Premiere Pro Export feature, time to export a video in 8K HDR XAVC-H format with 29.97fps 539Mbps data rate to UHD HEVC format with 59.94fps 40Mbps
	Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026; Power Plan set to High Performance, Power Mode set to High Performance.
	Processor: AMD Ryzen 7 9700X (Granite Ridge) TDP=65W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

Claim # & Statement

Slide # & Title/Details

42. Intel® Core™ Ultra 7 270K Plus processor delivers up to 1.38X better average performance on SPECWorkstation industry verticals vs. an AMD Ryzen™ 7 9700X

As measured by SPECWorkstation benchmark across industry vertical scores .

43. Intel® Core™ Ultra 7 270K Plus processor delivers up to 1.50X better average performance on SPECWorkstation workload services vs. an AMD Ryzen™ 7 9700X

As measured by SPECWorkstation benchmark across workload services scores .

Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026; Power Plan set to High Performance, Power Mode set to High Performance.

Processor: AMD Ryzen 7 9700X (Granite Ridge) TDP=65W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.



Claim # & Statement	Slide # & Title/Details
	Slide 51: Intel Core Ultra 5 250K Plus – Best value creator performance
44. Intel® Core™ Ultra 5 250K Plus delivers up to 103% faster multithread performance	See claim 24
45. Intel® Core™ Ultra 5 250K Plus processor delivers up to 130% better POV-Ray MT performance vs. an AMD Ryzen™ 5 9600X	As measured by POV-Ray MT rendered average PPS benchmark sub-score.
46. Intel® Core™ Ultra 5 250K Plus processor delivers up to 5% faster single-threaded performance vs. AMD Ryzen™ 5 9600X	As measured by Cinebench 2026 Single Thread.
47. Intel® Core™ Ultra 5 250K Plus processor delivers up to 19% better Adobe Premiere Pro performance vs. AMD Ryzen™ 5 9600X	As measured by PugetBench Adobe Premiere Pro Extended score.
48. Intel® Core™ Ultra 5 250K Plus processor delivers up to 8% better Adobe Lightroom Classic performance vs. AMD Ryzen™ 5 9600X	As measured by PugetBench Adobe Lightroom Classic Extended score.
49. Intel® Core™ Ultra 5 250K Plus processor delivers up to 75% video conversion performance on Adobe Premiere Pro vs. an AMD Ryzen™ 5 9600X	As measured by Adobe Premiere Pro Export feature, time to export a video in UHD HEVC SDR format with 24fps 63Mbps data rate to HD HEVC format with 59.94fps 12Mbps data rate .
50. Best value creator performance	As measured by Blender Benchmark all scenes geomean divided by the on-shelf price as of March 2026 with an Intel Core Ultra 5 250K Plus at \$199 vs. AMD Ryzen 5 9600X at \$199.
	Processor: Intel Core Ultra 5 250K Plus (Arrow Lake R); TDP=159W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950, 1/23/2026 ; Power Plan set to High Performance, Power Mode set to High Performance.
	Processor: AMD Ryzen 5 9600X (Granite Ridge) TDP=65W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

Claim # & Statement	Slide # & Title/Details
	Slide 52: Most Gamers are also Creators
51. Intel Core Ultra 7 270K Plus delivers +87% geomean faster multithread performance vs the AMD Ryzen 7 9800X3D	As measured by the geomean of Cinebench 2024 Multicore, Cinebench 2026 Multiple Threads, Blender benchmark, 3DMark CPU Profile Max Threads, and Corona.
52. Intel Core Ultra 7 270K Plus -12% geomean slower gaming vs. the AMD Ryzen 7 9800X3D	As measured by geomean of average FPS across 37 games at 1080p High on Intel® Core™ Ultra 7 270K Plus, including benefits from Intel Binary Optimization Tool feature enabled on select titles, compared to AMD Ryzen™ 7 9800X3D. Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026; Power Plan set to High Performance, Power Mode set to High Performance. Processor: AMD Ryzen 7 9800X3D (Granite Ridge) TDP=120W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.
	Slide 53: Top Performance, Zero Compromises
53. Intel Core Ultra 7 270K Plus delivers +10% geomean faster multithread performance vs the AMD Ryzen 9 9950X	As measured by the geomean of Cinebench 2024 Multicore, Cinebench 2026 Multiple Threads, Blender benchmark, 3DMark CPU Profile Max Threads, and Corona.
54. Intel® Core™ Ultra 7 270K Plus processor delivers +4% geomean faster gaming performance vs. the AMD Ryzen 9 9950X across 37 games	As measured by geomean of average FPS across 37 games at 1080p High on Intel® Core™ Ultra 7 270K Plus, including benefits from Intel Binary Optimization Tool feature enabled on select titles, compared to AMD Ryzen™ 9 9950X . Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026 ; Power Plan set to High Performance, Power Mode set to High Performance. Processor: AMD Ryzen 9 9950X (Granite Ridge) TDP=170W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

Claim # & Statement	Slide # & Title/Details
55. Intel Core Ultra 5 250K Plus ties the AMD Ryzen 5 9600X in gaming performance per dollar.	Slide 61: Intel Core Ultra 200S Plus An Incredible Value for Enthusiasts
	As measured by the geomean FPS of 37 games, with Intel Binary Optimization Tool feature enabled where supported across various game titles, including: A Plague Tale: Requiem, Anno 117: Pax Romana, Assassin's Creed: Mirage, Assassin's Creed: Shadows, Baldur's Gate 3, Battlefield 6, Black Myth Wukong, Borderlands 3, Call of Duty: Black Ops 7, Company of Heroes 3, Counter Strike 2, Cyberpunk 2077, DOOM: The Dark Ages, Dying Light: The Beast, F1® 25, Far Cry 6, Final Fantasy XIV, Forza Horizon 5, Ghosts of Tsushima, Hitman 3 (World of Assassination), Hogwarts Legacy, Horizon Forbidden West, League of Legends, Marvel's Spider Man – Remastered, Metro Exodus, Naraka Bladepoint, Red Dead Redemption 2, Remnant II, Shadow of the Tomb Raider, Star Wars Outlaws, Starfield, Tiny Tina's Wonderlands, Tom Clancy's Rainbow Six Siege X, Total War: Warhammer III, Valorant, Watch Dogs Legion, World of Warcraft: The War Within, divided by the on-shelf price as of March 2026 with an Intel Core Ultra 5 250K Plus at \$199 vs. AMD Ryzen 5 9600X at \$199.
56. Intel Core Ultra 5 250K Plus is +85% better creator performance per dollar vs the AMD Ryzen 5 9600X	As measured by Blender Benchmark all scenes geomean divided by the on-shelf price as of March 2026 with an Intel Core Ultra 5 250K Plus at \$199 vs. AMD Ryzen 5 9600X at \$199.
	Processor: Intel Core Ultra 5 250K Plus (Arrow Lake R); TDP=159W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026 ; Power Plan set to High Performance, Power Mode set to High Performance.
	Processor: AMD Ryzen 5 9600X (Granite Ridge) TDP=65W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.
57. Intel Core Ultra 7 270K Plus has up to +4% better gaming performance per dollar vs the AMD Ryzen 7 9700X	As measured by the geomean FPS of 37 games, with Intel Binary Optimization Tool feature enabled where supported across various game titles, including: A Plague Tale: Requiem, Anno 117: Pax Romana, Assassin's Creed: Mirage, Assassin's Creed: Shadows, Baldur's Gate 3, Battlefield 6, Black Myth Wukong, Borderlands 3, Call of Duty: Black Ops 7, Company of Heroes 3, Counter Strike 2, Cyberpunk 2077, DOOM: The Dark Ages, Dying Light: The Beast, F1® 25, Far Cry 6, Final Fantasy XIV, Forza Horizon 5, Ghosts of Tsushima, Hitman 3 (World of Assassination), Hogwarts Legacy, Horizon Forbidden West, League of Legends, Marvel's Spider Man – Remastered, Metro Exodus, Naraka Bladepoint, Red Dead Redemption 2, Remnant II, Shadow of the Tomb Raider, Star Wars Outlaws, Starfield, Tiny Tina's Wonderlands, Tom Clancy's Rainbow Six Siege X, Total War: Warhammer III, Valorant, Watch Dogs Legion, World of Warcraft: The War Within, divided by the on-shelf price as of March 2026 with an Intel Core Ultra 7 270K Plus at \$299 vs. AMD Ryzen 7 9700X at \$299.
58. Intel Core Ultra 5 250K Plus is +85% better creator performance per dollar vs the AMD Ryzen 5 9600X	As measured by Blender Benchmark all scenes geomean divided by the on-shelf price as of March 2026 with an Intel Core Ultra 7 270K Plus at \$299 vs. AMD Ryzen 7 9700X at \$299.
	Processor: Intel Core Ultra 7 270K Plus (Arrow Lake R); TDP=250W; tested in Asus ROG MAXIMUS Z890 HERO motherboard; Memory: 32GB(2x16GB) DDR5 7200; Memory Timings: 34-45-45-45-115; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 Pro 26200.7623; Integrated Graphics: Intel Graphics; Integrated Graphics Driver: 32.0.101.8331; Discrete Graphics: NVIDIA GeForce RTX 5090; Discrete Graphics Driver: 32.0.15.9174; NPU Driver: 32.0.100.4514; BIOS: AMI 9950 1/23/2026; Power Plan set to High Performance, Power Mode set to High Performance.
	Processor: AMD Ryzen 7 9700X (Granite Ridge) TDP=65W; tested in Asus ROG CROSSHAIR X870E HERO; Memory: 32GB(2x16GB) DDR5 5600; Memory Timings: 30-36-36-36-96; Storage: Samsung SSD - 990 PRO 4TB; Display Resolution: 1980x1080; OS: Windows 11 26200.7623; Integrated Graphics: AMD Radeon Graphics; Integrated Graphics Driver: 32.0.21037.1004; Discrete Graphics: NVIDIA GeForce RTX 5090; Graphics Driver: 32.0.15.9174; NPU Driver: N/A; BIOS: 1805 BIOS; Power Plan set to High Performance, Power Mode set to High Performance.

Claim # & Statement	Slide # & Title/Details
	Slide 62: Intel Core Ultra 200S Plus The Complete Package
59. Intel Core Ultra 7 270K Plus delivers 15% geomean faster gaming than the Intel Core Ultra 7 265K	See claim 10
60. Intel® Core™ Ultra 7 270K Plus processor delivers up to 109% better POV-Ray MT performance vs. an AMD Ryzen™ 7 9700X	See claim 29
61. Up to 27% faster gaming with Intel Binary Optimization Tool enabled	See claim 7