



The background features a stylized, colorful wave pattern composed of numerous thin, parallel lines in shades of blue, purple, and red, creating a sense of depth and motion. In the center, a dark blue rectangular area contains the product information. At the top of this area is a close-up image of a blue Intel Core Ultra Series 3 Processor die, showing its complex internal structure. Below the image, the product name is displayed in a large, white, serif font. The Intel logo is located in the top right corner of the central blue area.

Intel® Core™ Ultra Series 3 Processors

January 5th 2026

intel.

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www.intel.com/PerformanceIndex or scan the QR code:



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Notices and Disclaimers

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

Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See CES 2026 Events page on intel.com/PerformanceIndex for configuration details.

No product or component can be absolutely secure.

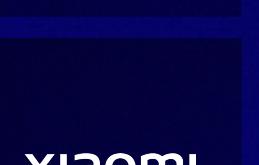
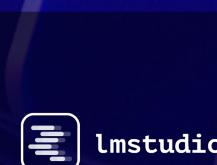
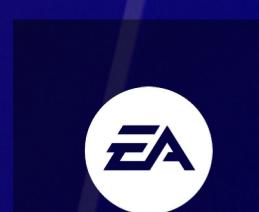
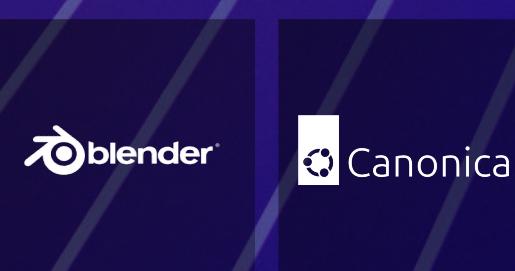
Your costs and results may vary.

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World-class Partners

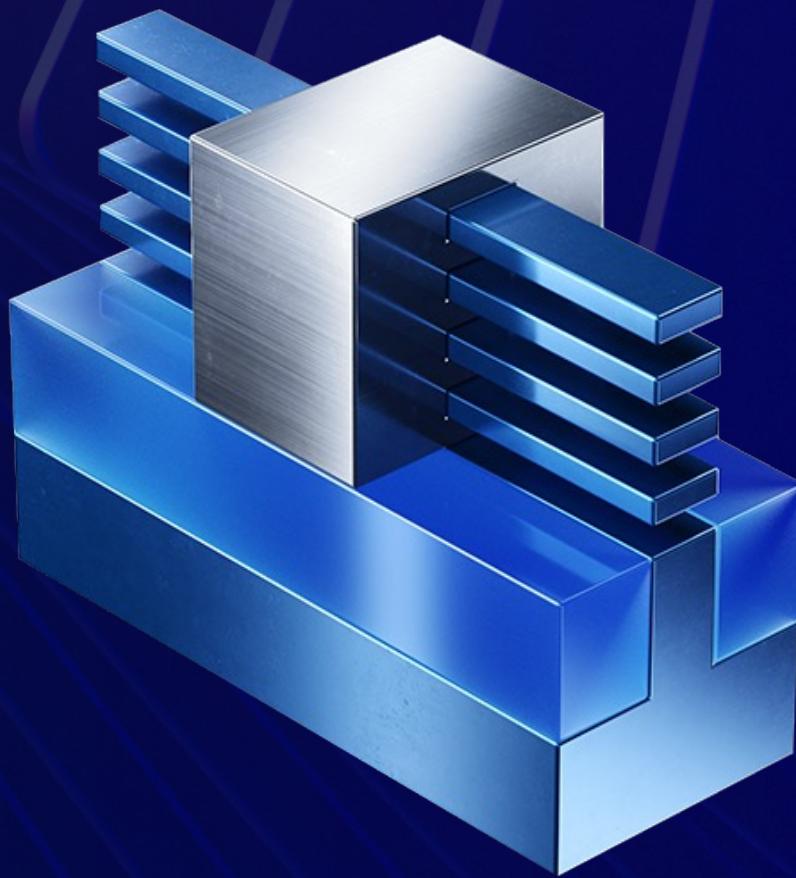
For world-changing technology



***Develop,
Deploy, and
Build in the U.S.***



RibbonFET Transistor



PowerVia Technology



In High Volume Production

To deliver at global scale

Power & Area Efficiency

Unlocked by RibbonFET & PowerVia

RibbonFET Transistor



Area



Up to

15%
Better Perf/W

Frequency



PowerVia Technology



Area



Up to

30%
Better Chip Density



Frequency

Client Strategic Anchors

Leadership Manufacturing

U.S.
Manufacturing
and R&D

Advanced
packaging

18A
at scale

Leadership x86 Processors

Power efficient
performance

Hybrid core
architecture

Multi-engine
local AI



*Meet the needs of
the ecosystem and*

***Anticipate
What's Next***

Intel® Core™ Ultra Series 3

Built with

intel
18A



Exceptional
performance

Enduring
efficiency

Leading
AI experiences

Game-changing
graphics

Loaded with
connectivity & I/O

Up to
16

CPU cores

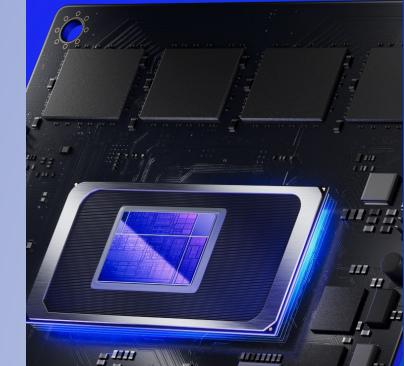
Up to
96GB

LPDDR5

Next-gen
IPU 7.5

XeSS

Multi-
Frame
Generation



Integrated
Thunderbolt™ 4

Enhanced Intel Thread Director
& power management



E-core
Darkmont



P-core
Cougar Cove

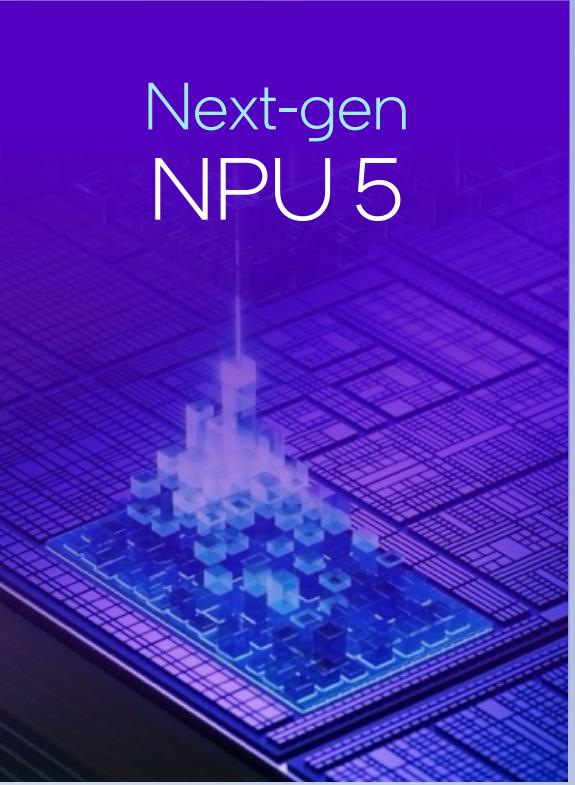
Up to **180** TOPS

Across the total platform

Intel® Core™ Ultra Series 3



Next-gen
NPU5



New
Xe3 GPU



Integrated Intel® Wi-Fi 7 (R2) &
Dual Intel® Bluetooth® Core 6

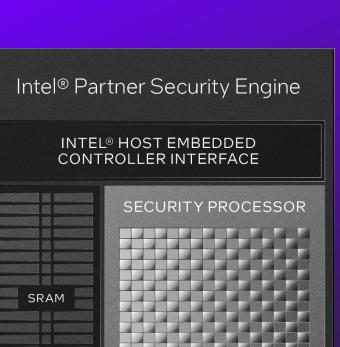


Up to
12

Xe-cores

Up to
12 lanes

PCIe gen 5

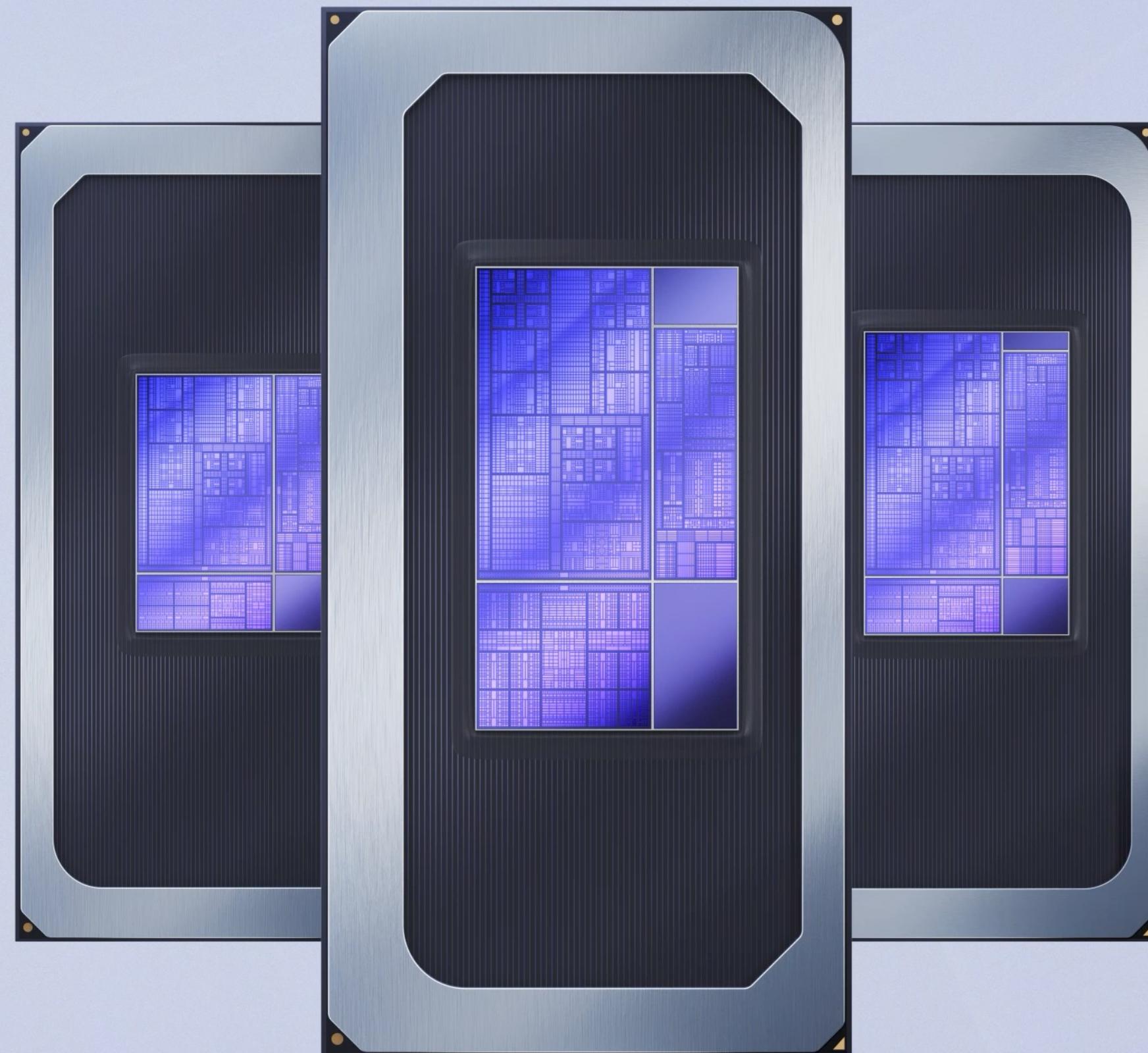


Intel®
Total
Storage
Encryption



New
LPCAMM
Support

intel
®



Intel® Core™ Ultra Series 3

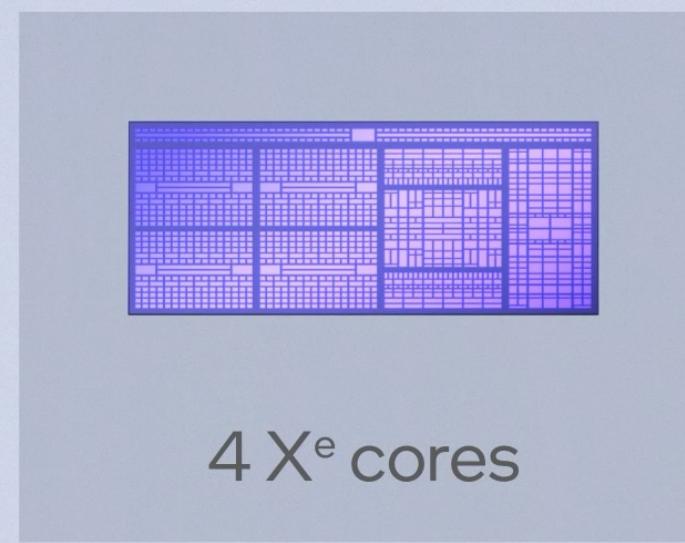
Built to scale

More
Designs

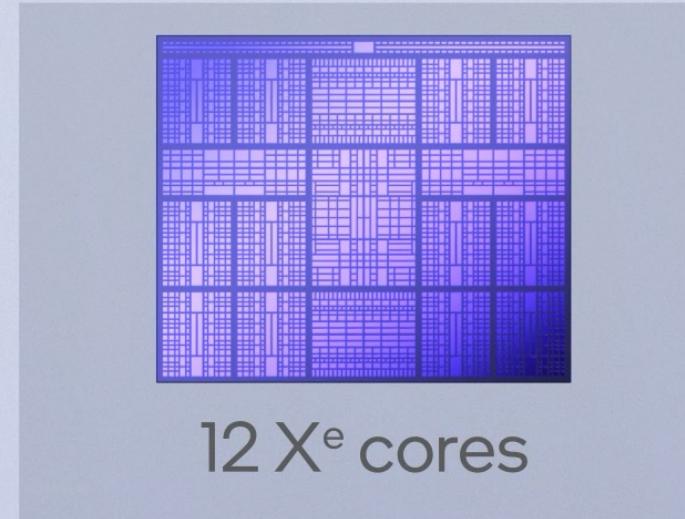
More
Price points

More
Experiences

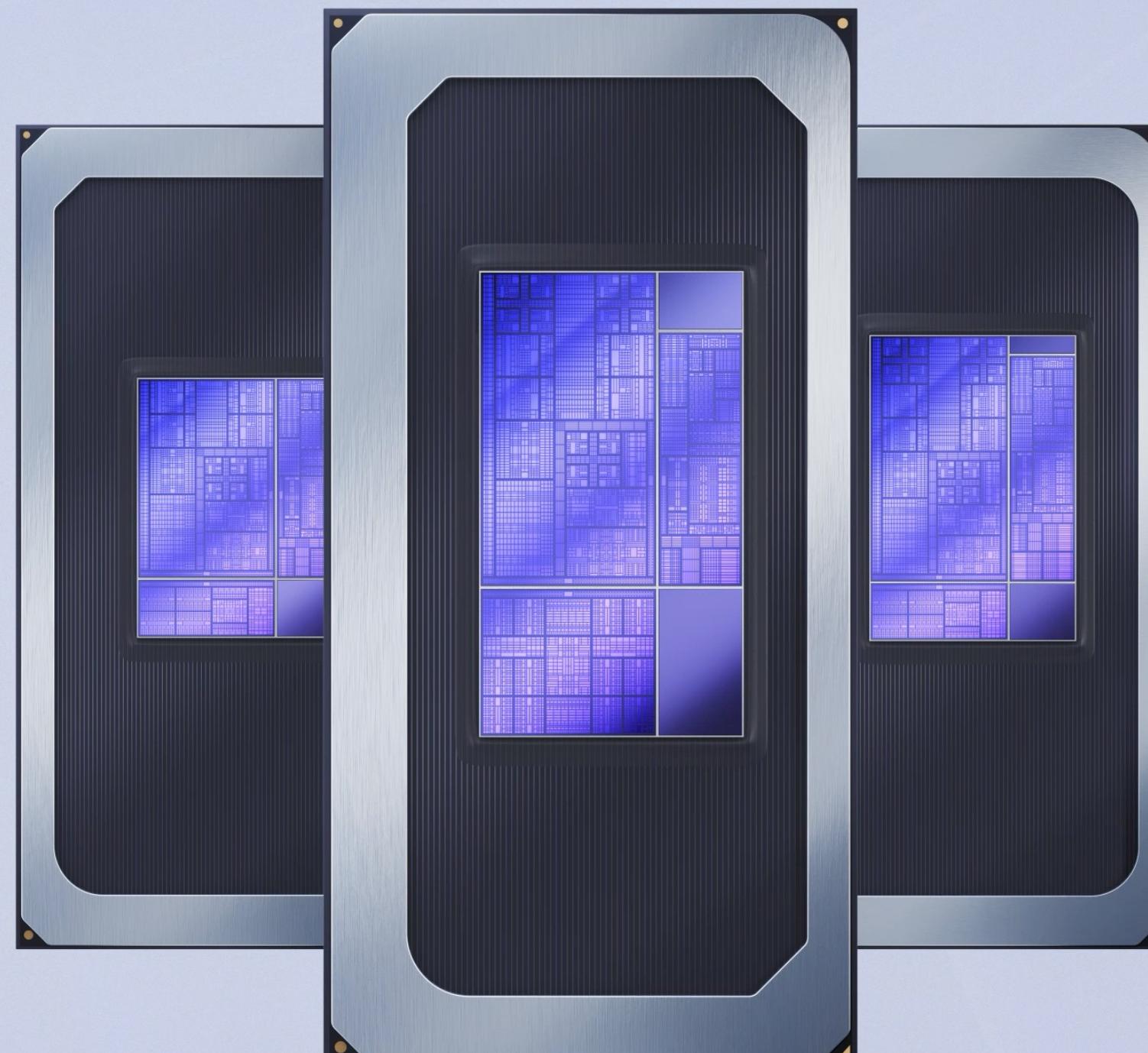
GPU Tile



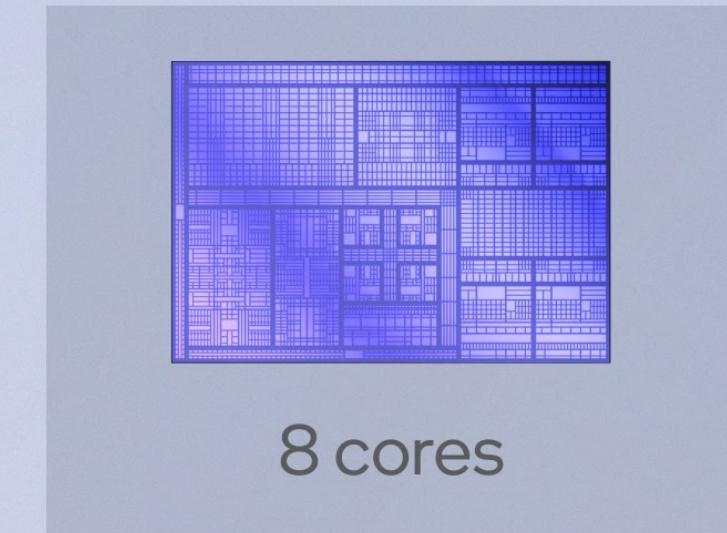
4 X^e cores



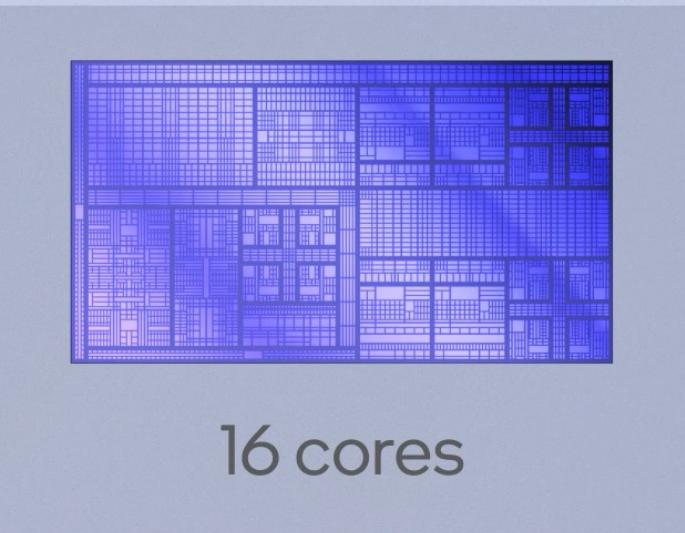
12 X^e cores



Compute Tile



8 cores

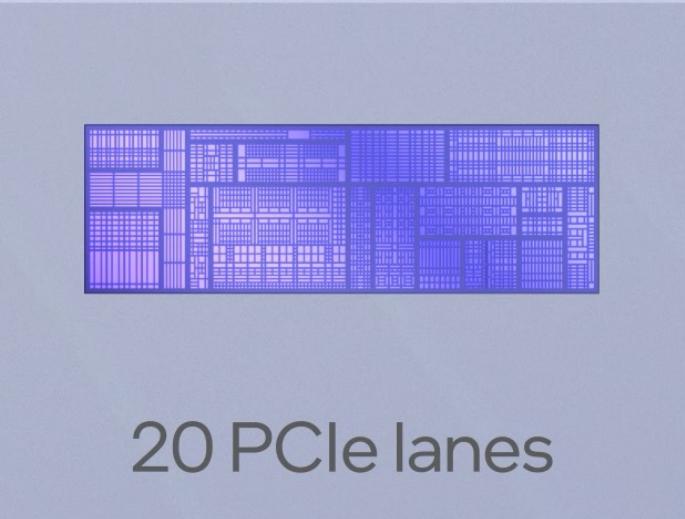


16 cores

Platform Controller Tile



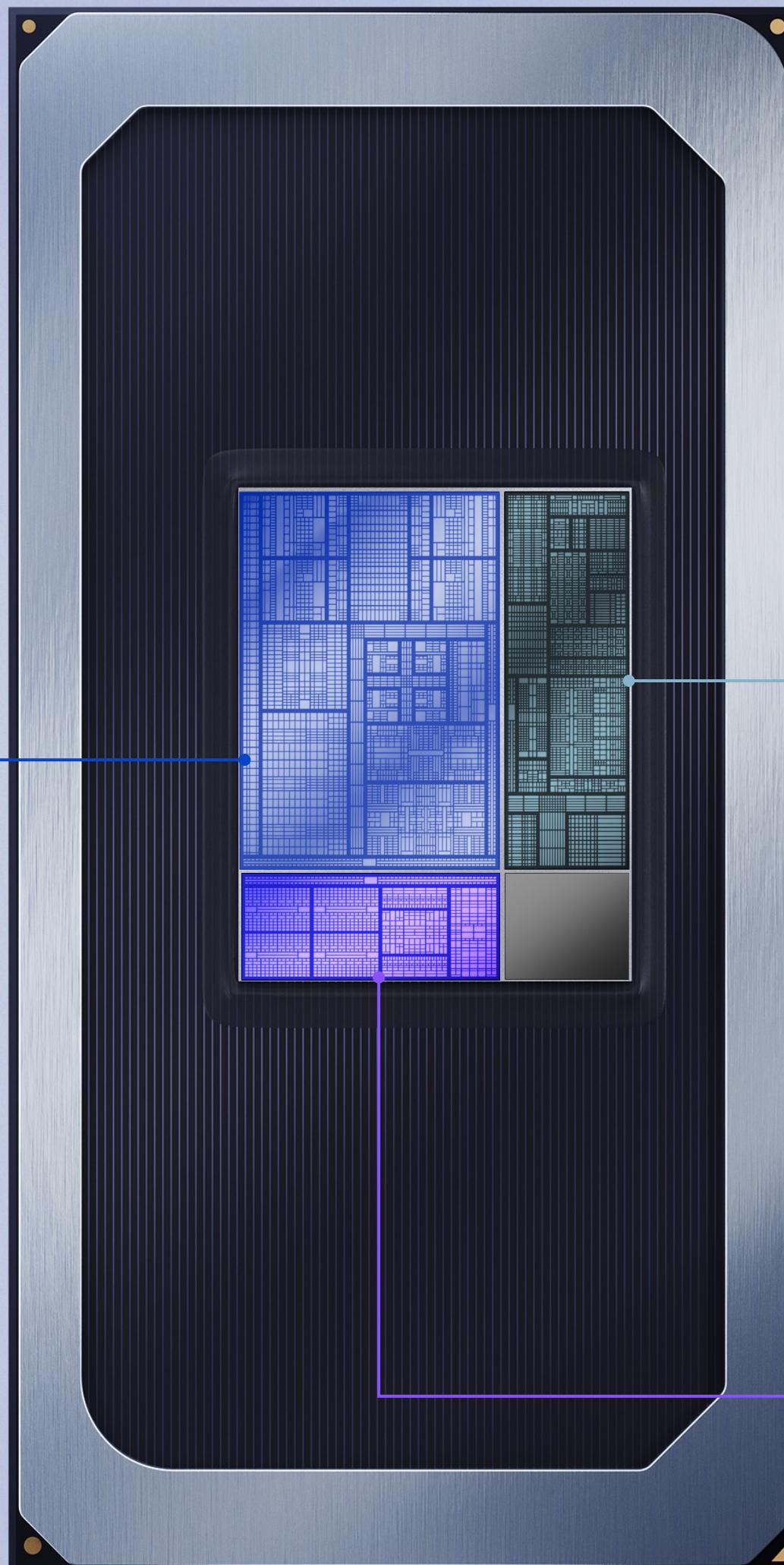
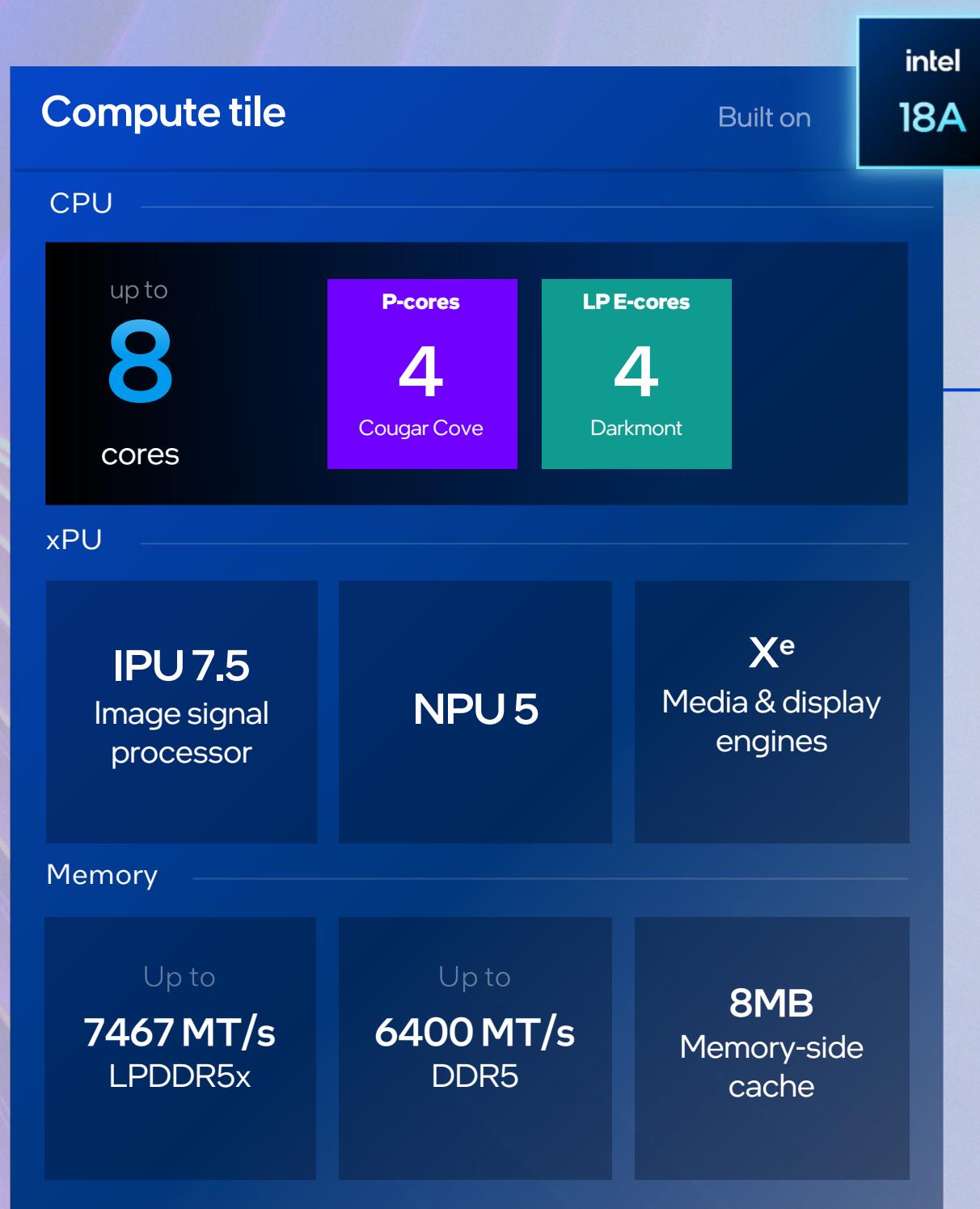
12 PCIe lanes



20 PCIe lanes

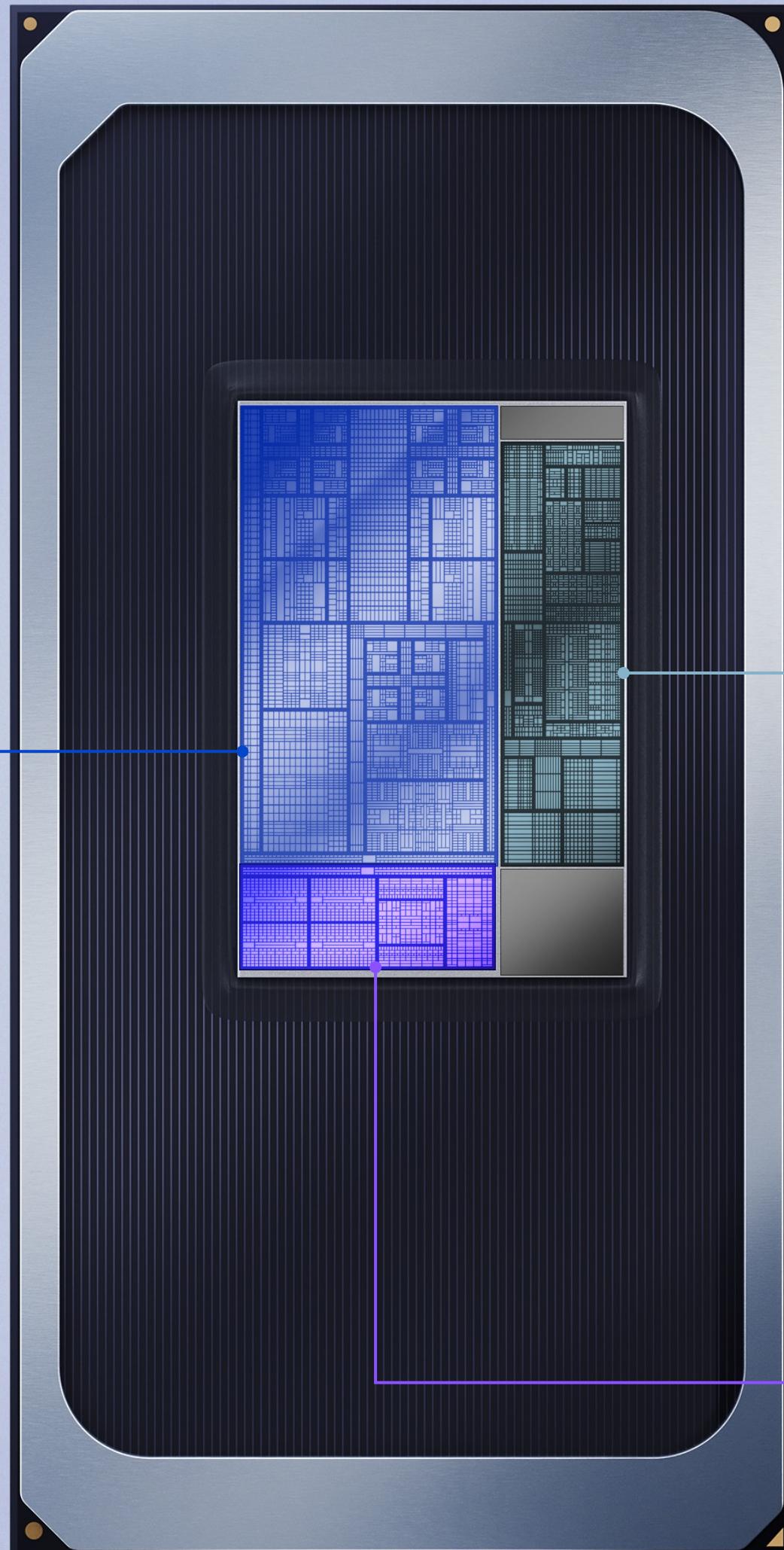
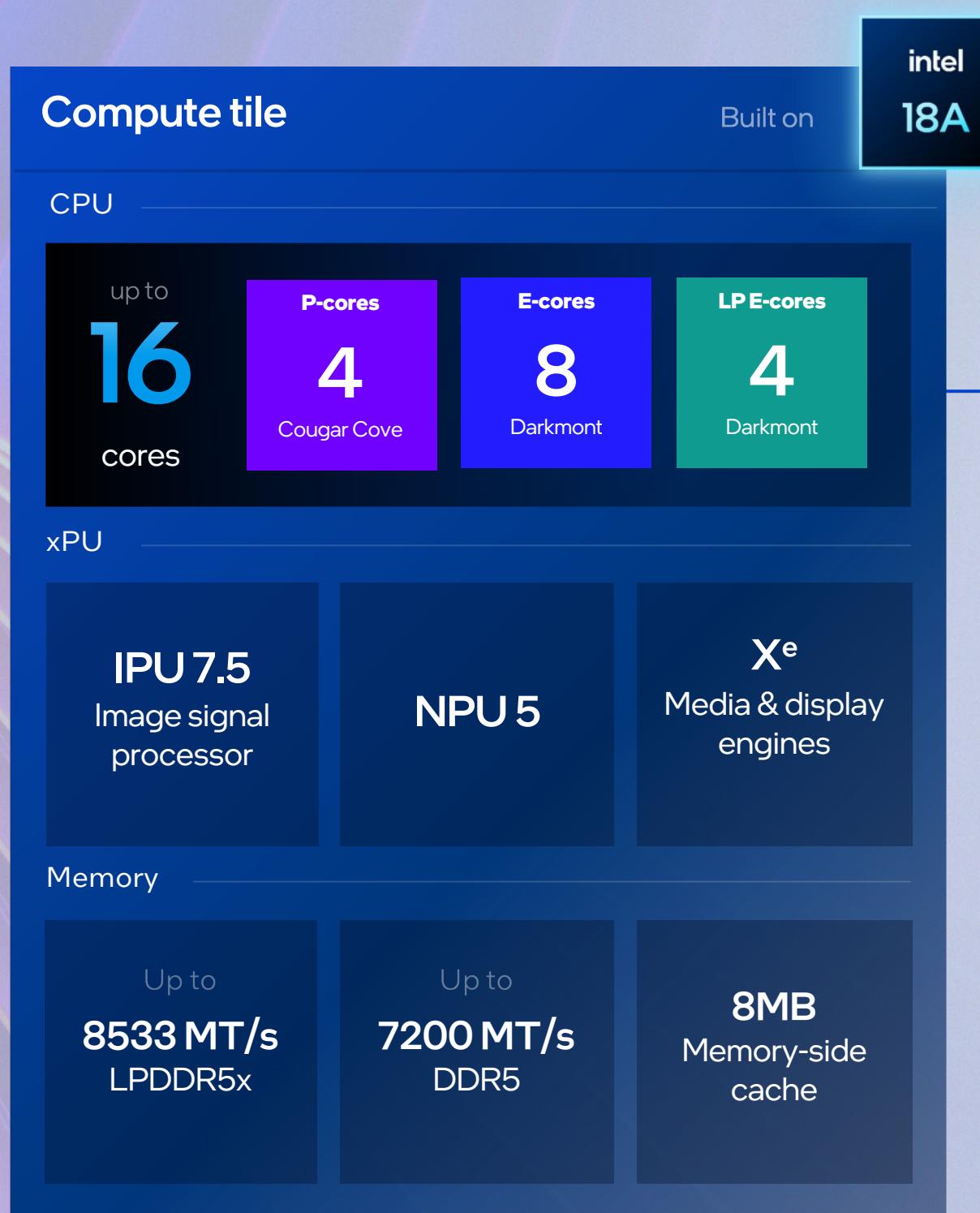
Intel® Core™ Ultra Series 3

Die Package Configurations



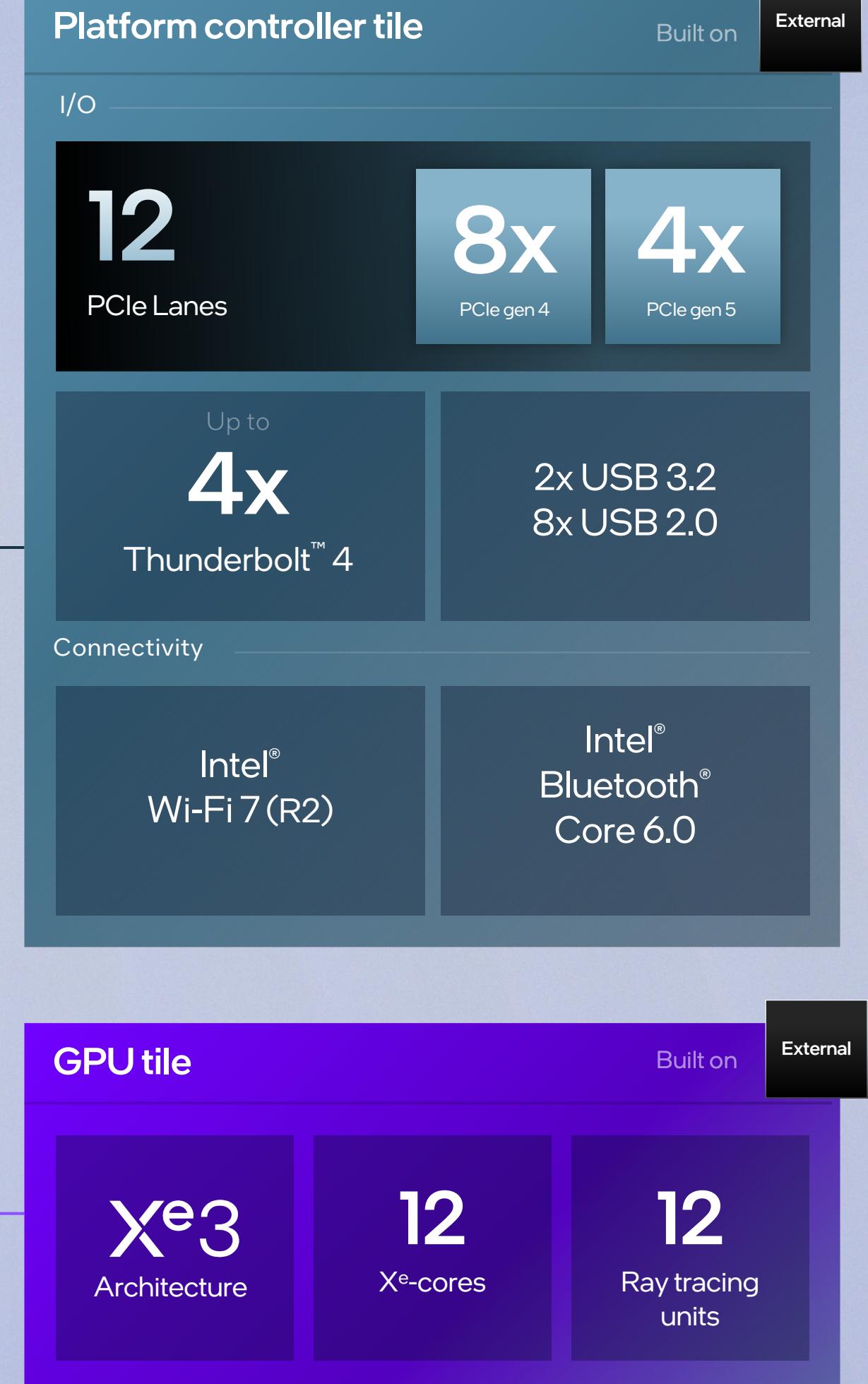
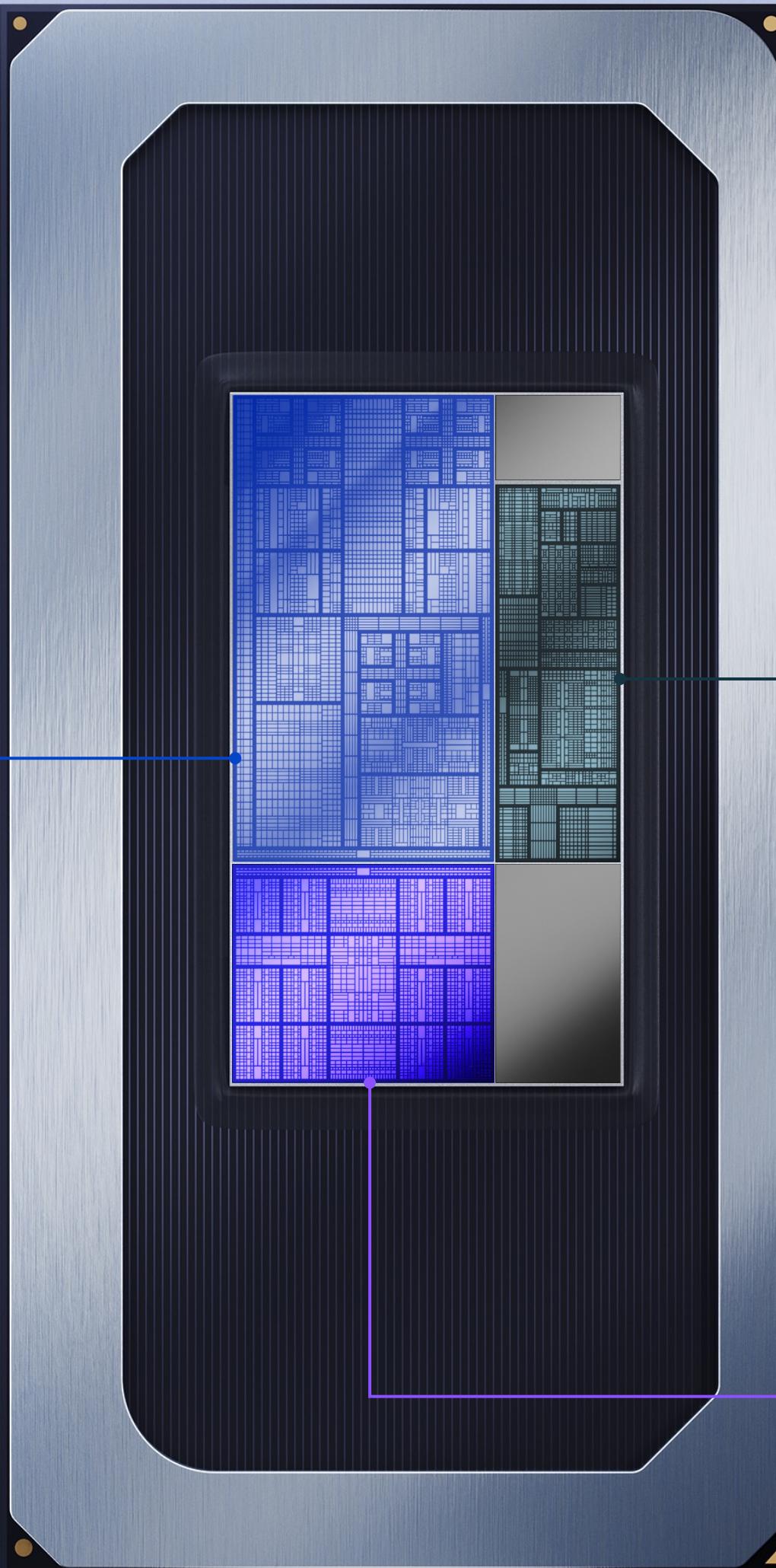
Intel® Core™ Ultra Series 3

Die Package Configurations



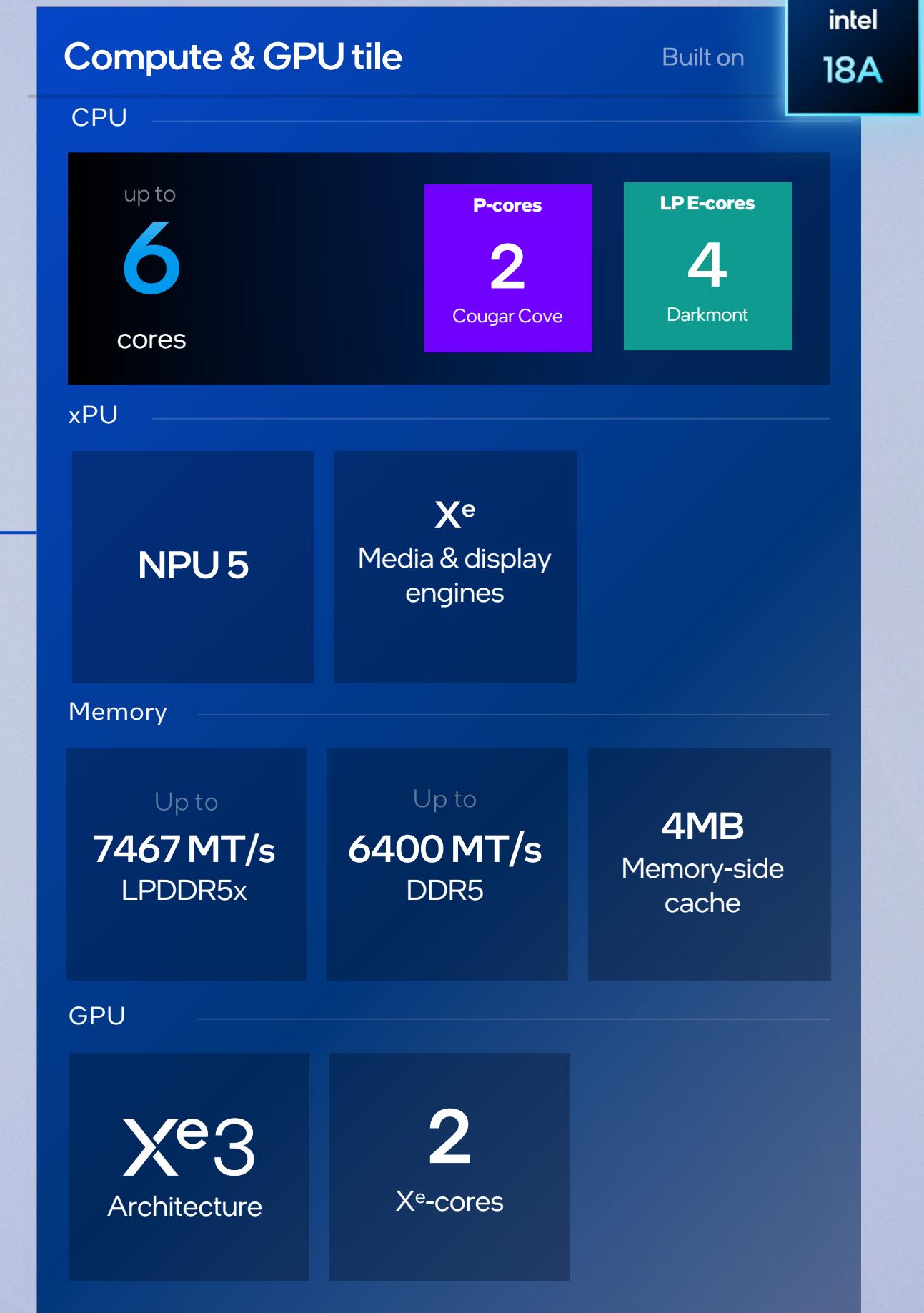
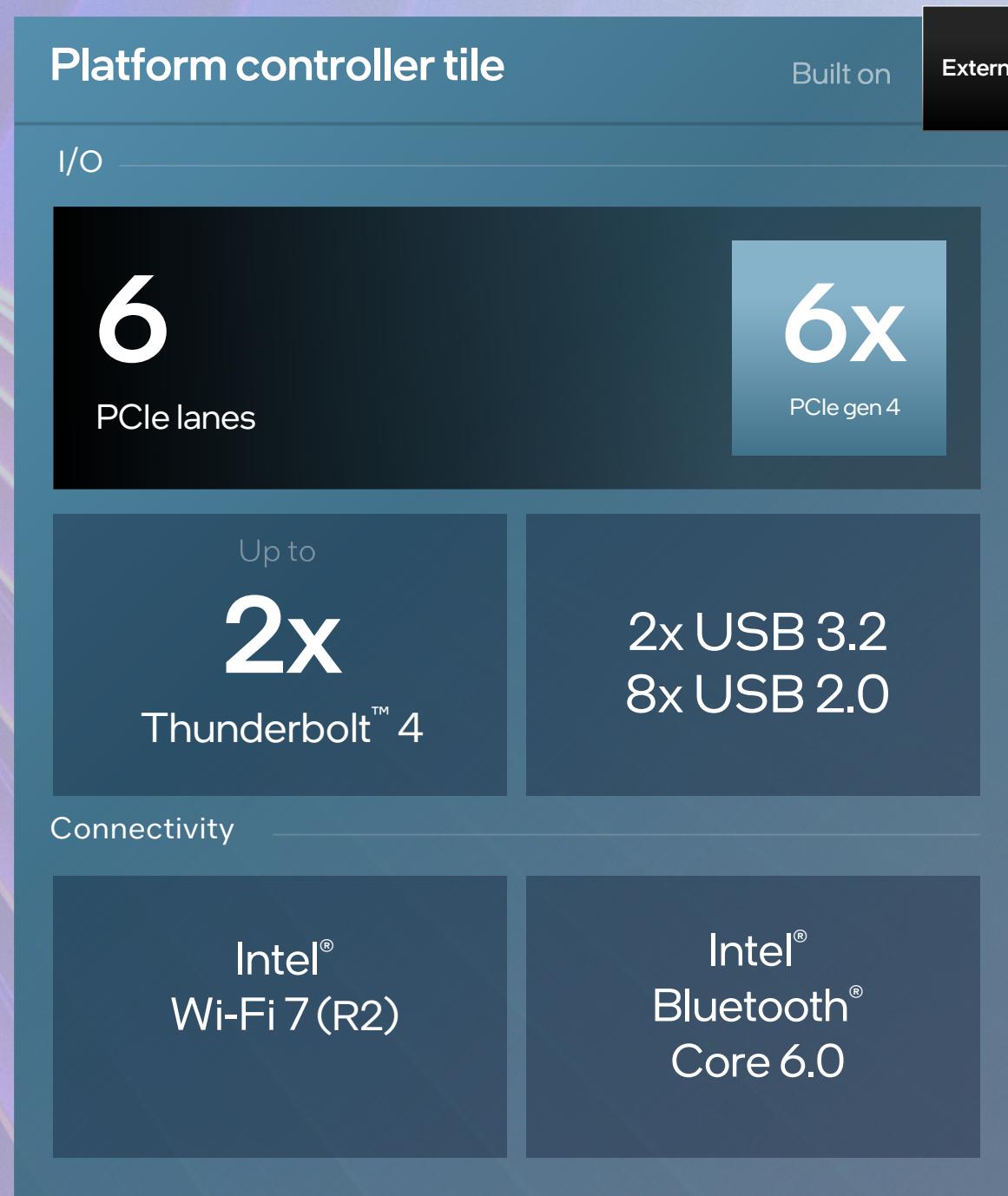
Intel® Core™ Ultra Series 3

Die Package Configurations



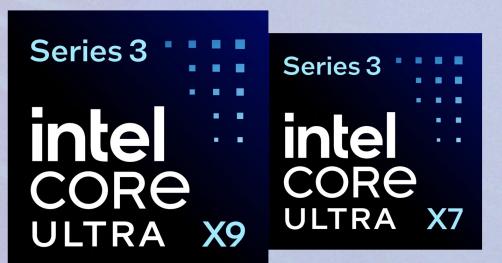
Intel® Core™ Series 3

Die Package Configuration



Intel® Core™ Ultra Series 3

Our best processor yet in
impressively thin and light laptops



intel intel
evo vPRO
EDITION

Get as much as

27

Hours
Battery Life

Up to

77%

Faster
Graphics

Up to

60%

Faster CPU
Performance

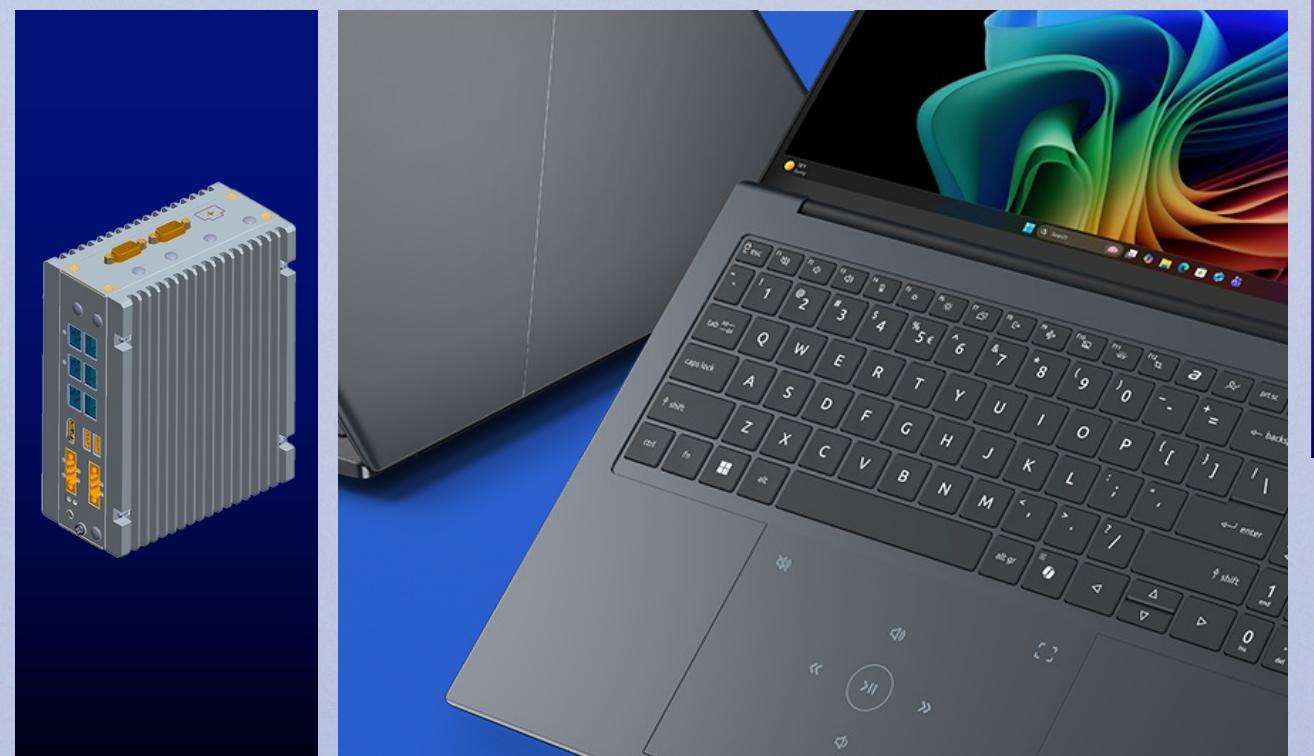
Up to

2x

Faster
AI Performance

Unmatched Scale

With 200+ Designs



Intel® Core™ Ultra Series 3

**Available
in January**

Pre-orders starting Jan 6th



Visualization for illustrative purposes only.

Intel® Core™ Ultra Series 3 Processors

Processor Number	CPU			NPU TOPS	GPU				Memory		Power Processor Base Power	Maximum Turbo Power (W)
	Total Cores & Threads	P-core Max Turbo Freq (GHz)	Intel® Smart Cache LLC (MB)		Brand	Total Xe-cores	Max Freq (GHz)	TOPS	Maximum Memory Speed (MT/s)	Maximum Memory Capacity (GB)		
Intel® Core™ Ultra X9 388H	16	5.1	18	50	Intel® Arc™ B390 Intel® Arc™ Pro B390	12	2.5	122	LP5/X 9600	96 (LP5/x)		65 ⁷ ,80 ⁷
Intel® Core™ Ultra 9 386H	16	4.9	18	50	Intel Graphics	4	2.5	40	LP5/X 8533 DDR5 7200	96 (LP5/x) 128 (DDR5)		65 ⁷ ,80 ⁷
Intel® Core™ Ultra X7 368H	16	5.0	18	50	Intel® Arc™ B390 Intel® Arc™ Pro B390	12	2.5	122	LP5/X 9600	96 (LP5/x)		65 ⁷ ,80 ⁷
Intel® Core™ Ultra 7 366H	16	4.8	18	50	Intel Graphics	4	2.5	40	LP5/X 8533 DDR5 7200	96 (LP5/x)	25W	65 ⁷ ,80 ⁷
Intel® Core™ Ultra 7 365	8	4.8	12	49	Intel Graphics	4	2.5	40	LP5/X 6800 DDR5 6400	128 (DDR5)		55
Intel® Core™ Ultra X7 358H	16	4.8	18	50	Intel® Arc™ B390	12	2.5	122	LP5/X 9600	96 (LP5/x)		65 ⁷ ,80 ⁷
Intel® Core™ Ultra 7 356H	16	4.7	18	50	Intel Graphics	4	2.45	40	LP5/X 8533 DDR5 7200	96 (LP5/x)		65 ⁷ ,80 ⁷
Intel® Core™ Ultra 7 355	8	4.7	12	49	Intel Graphics	4	2.5	40	LP5/X 6800 DDR5 6400	128 (DDR5)		55
Intel® Core™ Ultra 5 338H	12	4.7	18	47	Intel® Arc™ B370 Intel® Arc™ Pro B370	10	2.4	98	LP5/X 8533	96 (LP5/x)		65 ⁷ ,80 ⁷
Intel® Core™ Ultra 5 336H	12	4.6	18	47	Intel Graphics	4	2.3	37	LP5/X 8533 DDR5 7200			65 ⁷ ,80 ⁷
Intel® Core™ Ultra 5 335	8	4.6	12	47	Intel Graphics	4	2.45	40				55
Intel® Core™ Ultra 5 325	8	4.5	12	47	Intel Graphics	4	2.45	40		96 (LP5/x) 128 (DDR5)	25W	55
Intel® Core™ Ultra 5 332	6	4.4	12	46	Intel Graphics	2	2.3	18	LP5/X 6800 DDR5 6400			55
Intel® Core™ Ultra 5 322	6	4.4	12	46	Intel Graphics	2	2.3	18				55

Performance & Efficiency

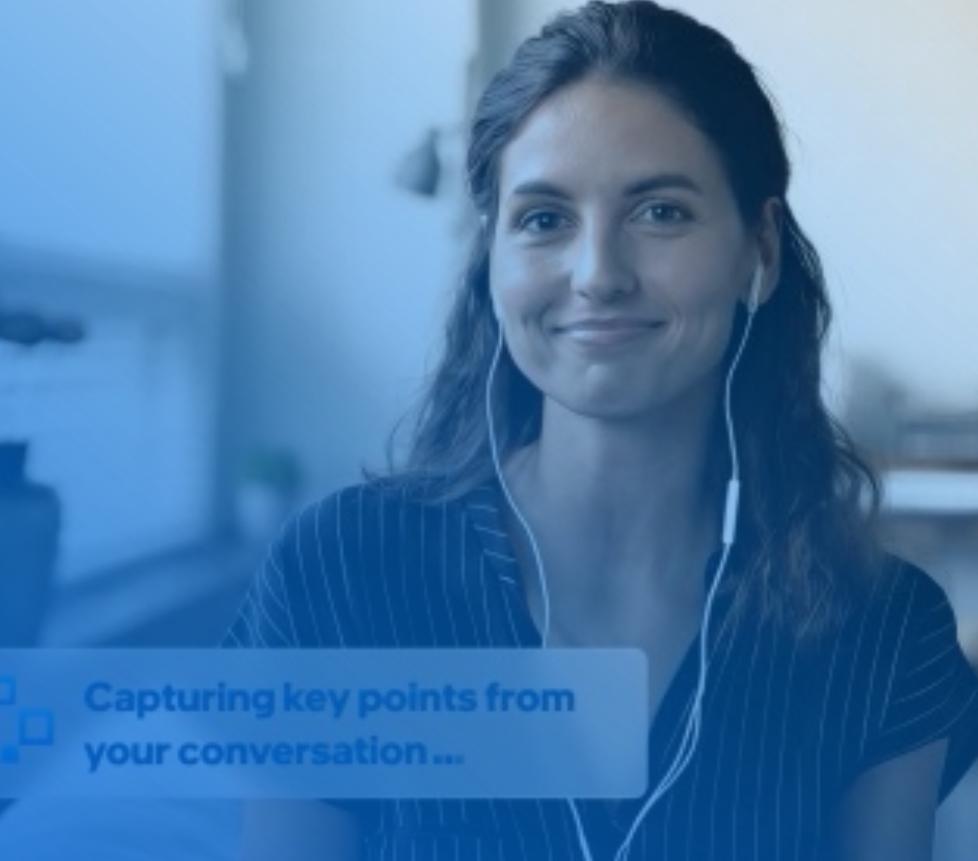
Reply

Dear Jordan,

Thanks for the update. The proposed adjustments seem reasonable, and I don't anticipate any major challenges at this stage.

I'll keep you posted if anything

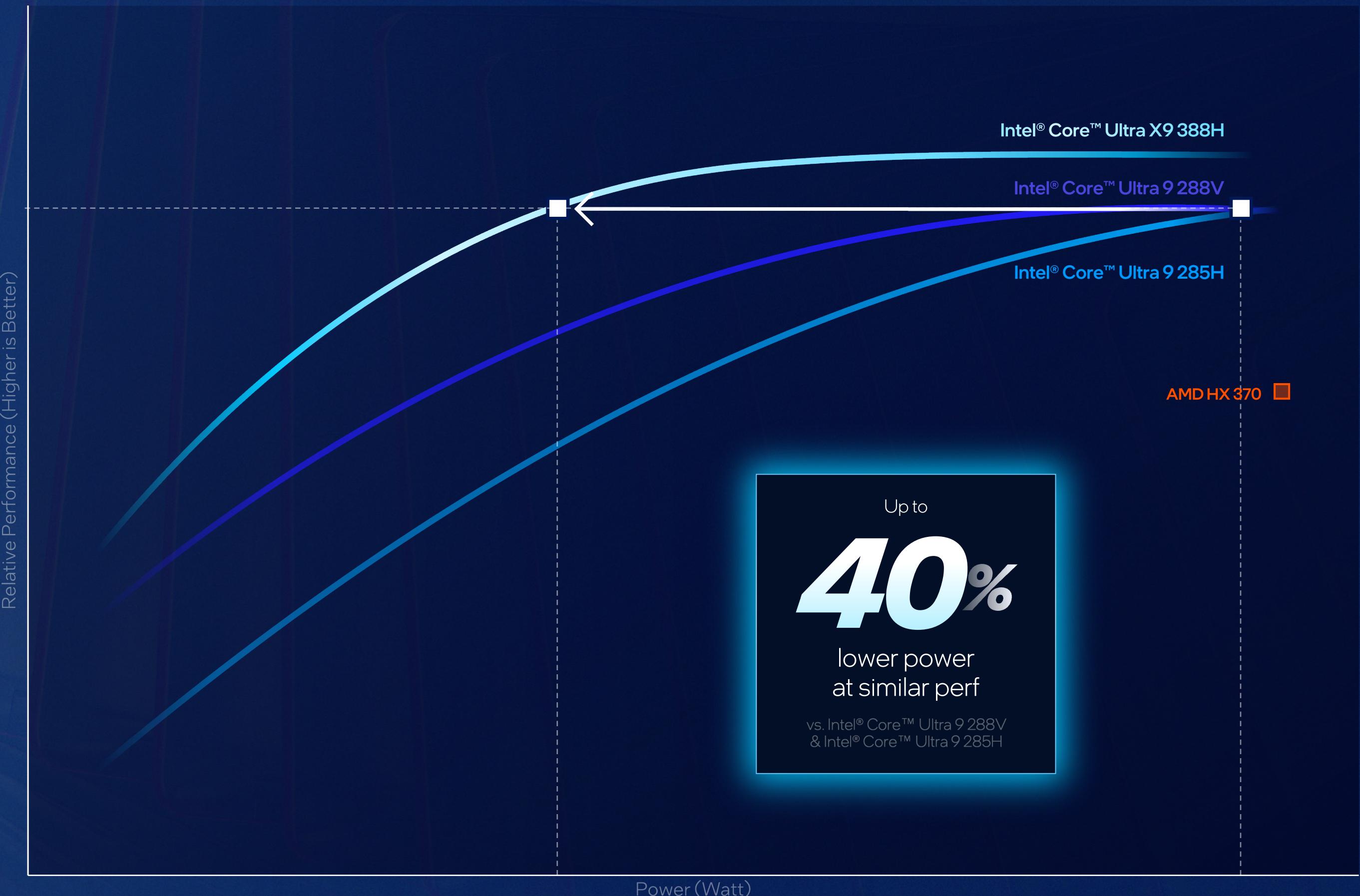
Video Call



Intel® Core™ Ultra Series 3

Built for Efficiency

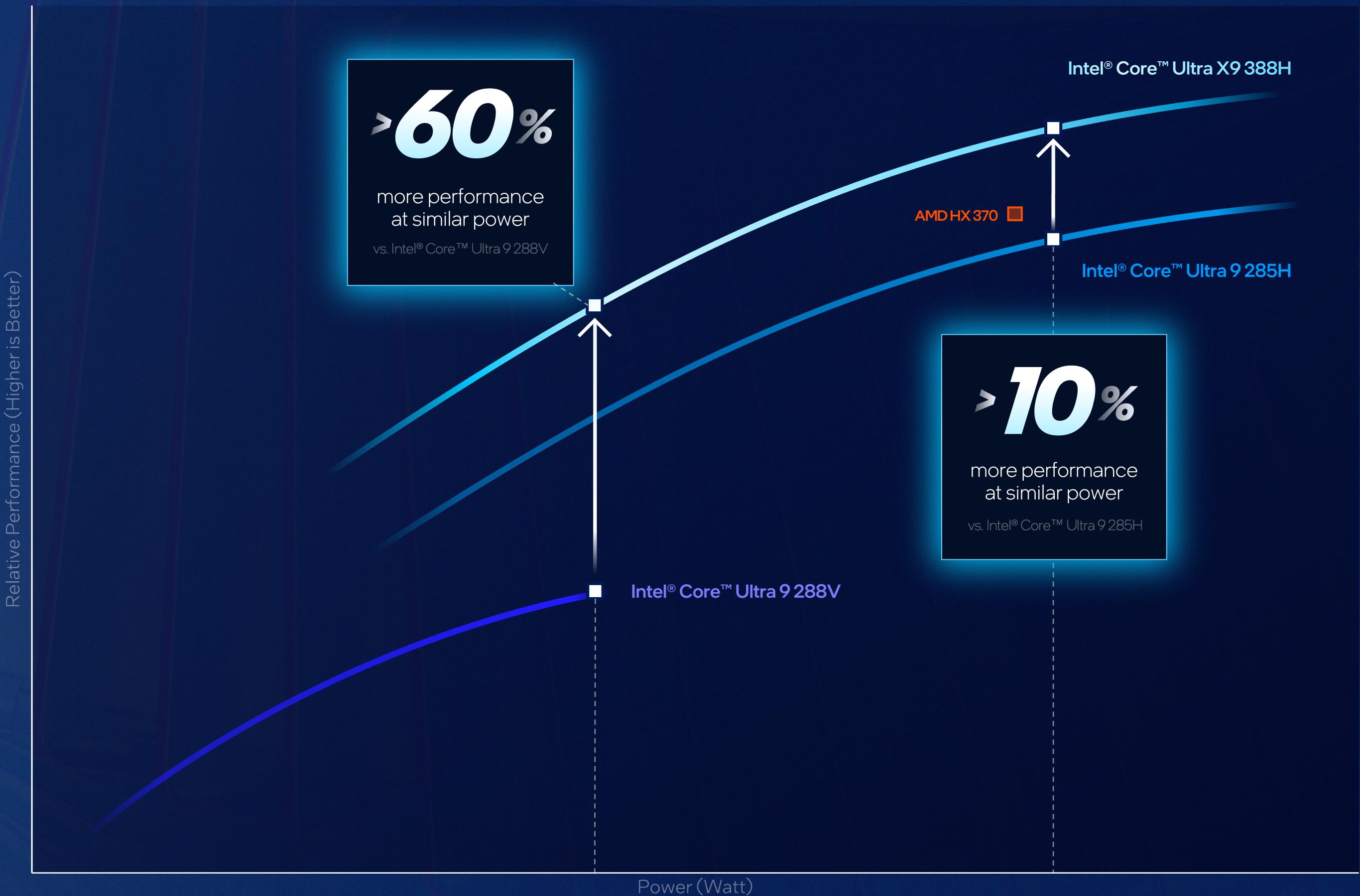
Cinebench 2024 Single Core



Intel® Core™ Ultra Series 3

Scaling Performance with Efficiency

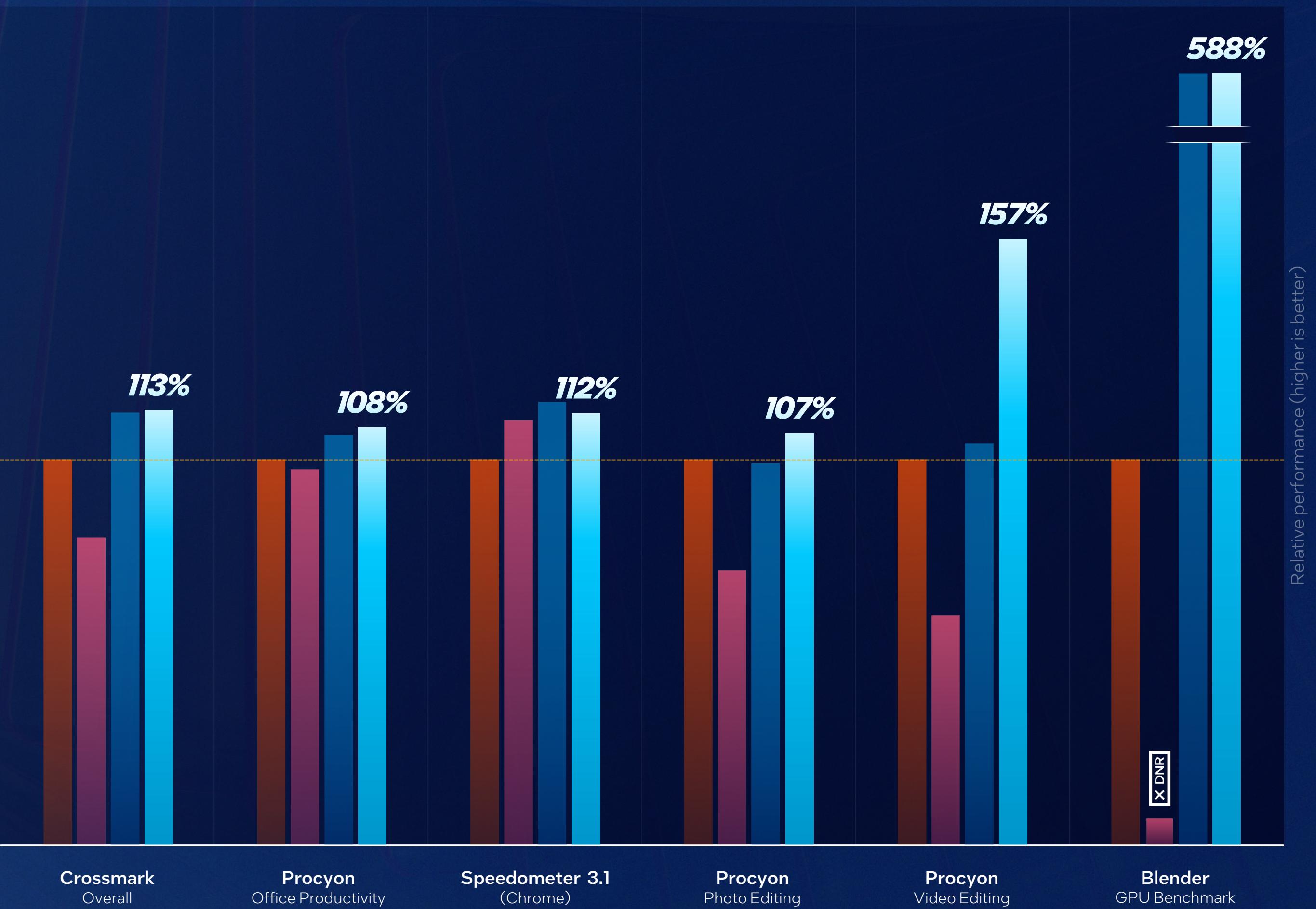
Cinebench 2024 Multi Core



Thin & Powerful Productivity Performance

- Intel® Core™ Ultra X9 388H | Reference Platform, 45W sustained
- Intel® Core™ Ultra 9 285H | Reference Platform, 45W sustained
- Qualcomm 84-100 | Customer Chassis, ~50W sustained
- AMD HX 370 | Customer Chassis, 53W sustained

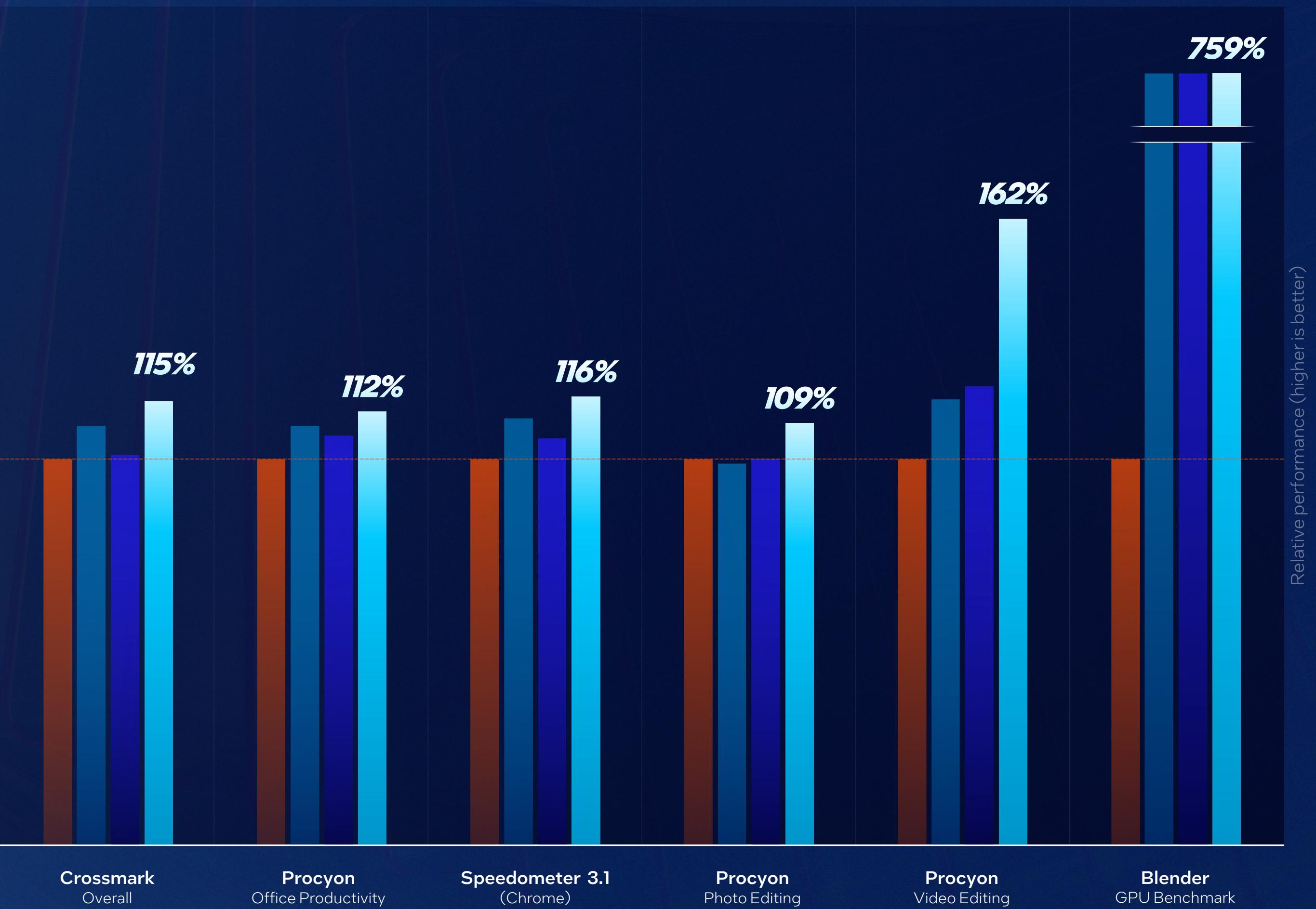
AMD HX 370



Thin & Light Productivity Performance

- Intel® Core™ Ultra X9 388H | Reference Platform, 25W sustained
- Intel® Core™ Ultra 9 288V | Reference Platform, 25W sustained
- Intel® Core™ Ultra 7 255H | Reference Platform, 25W sustained
- AMD AI 365 | Customer Chassis, 22W sustained

AMD AI 365



Power Efficient Platform

Built for lasting battery life



Intelligent Display Technology

Realtime AI upscaling to deliver low-power vivid visuals



Low power, high quality video conferencing

Dynamic HDR and lowlight correction done on low power IPU



Long lasting and latest connectivity

Low-power Intel® Wi-Fi 7(R2) and Bluetooth 6.0



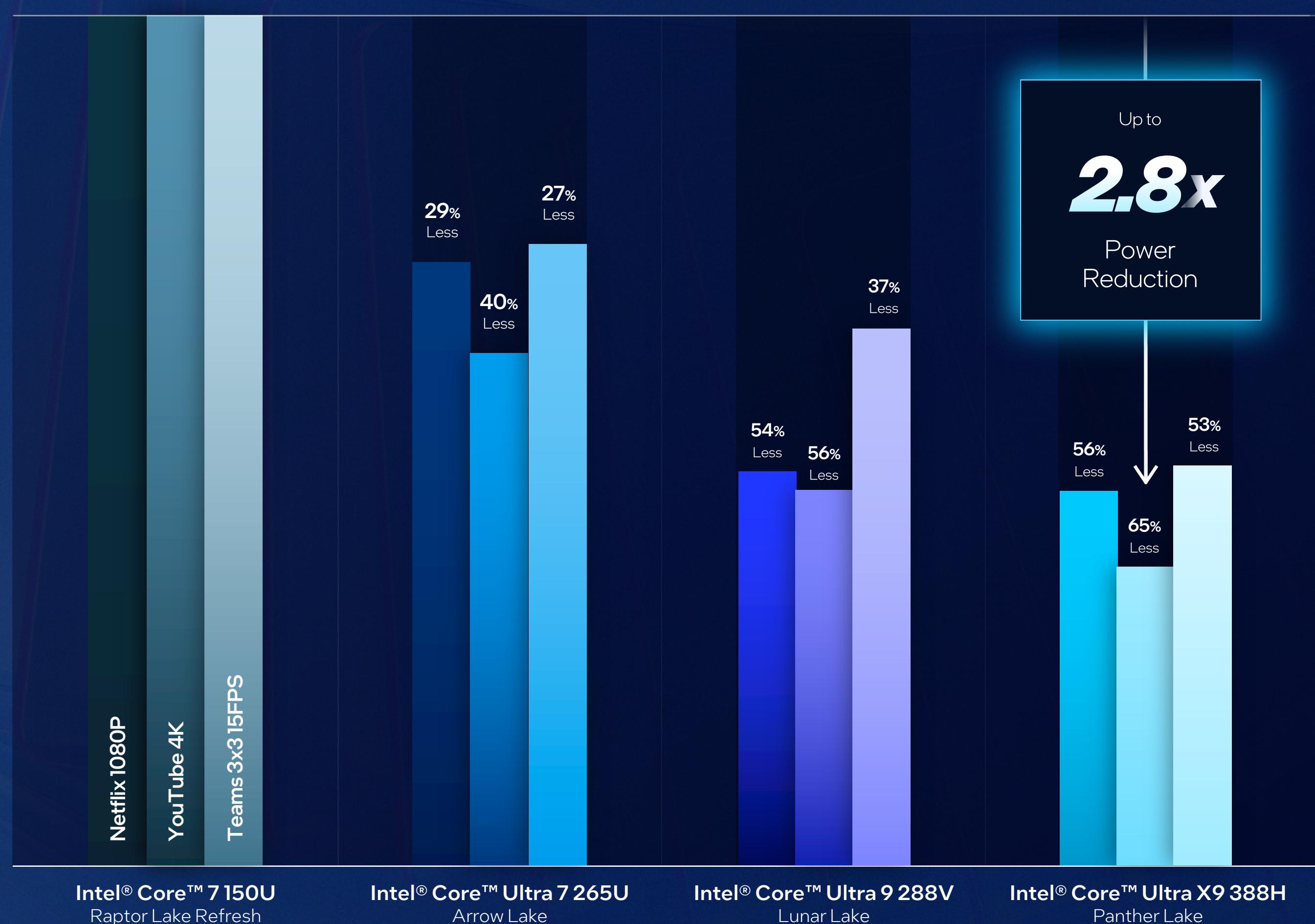
Context-aware charging

For the longest possible battery life, both long and short term



Most Efficient x86 Processor

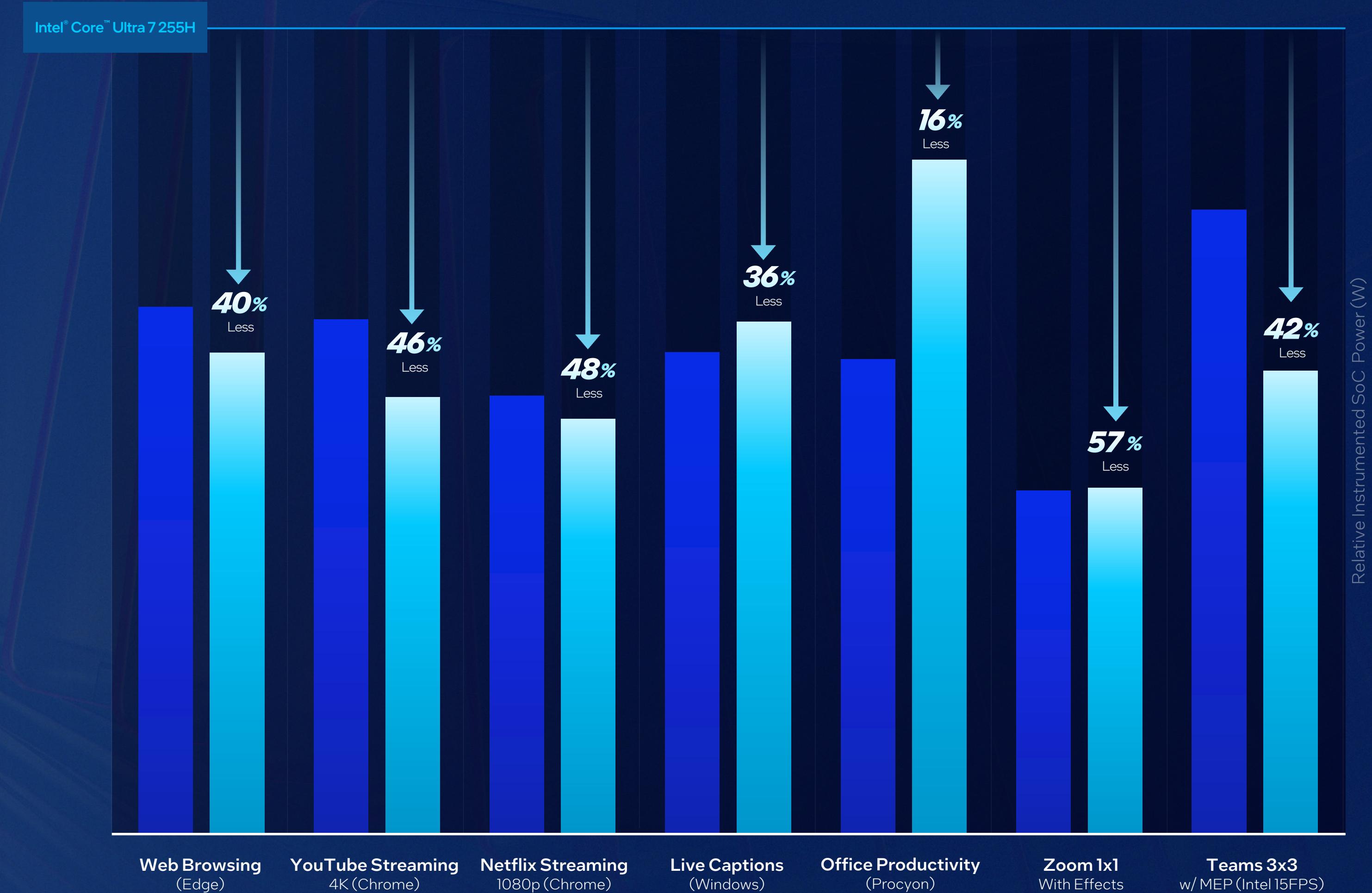
Significant **SOC power reduction** achieved within 3 years time



Among x86-based thin & light laptops as of Dec. 2025, refers to Intel Core Ultra Series 3 processors, based on the unique architecture and impressive performance even at lower power compared to prior generation and competition processors. See intel.com/PerformanceIndex for details. Results may vary.

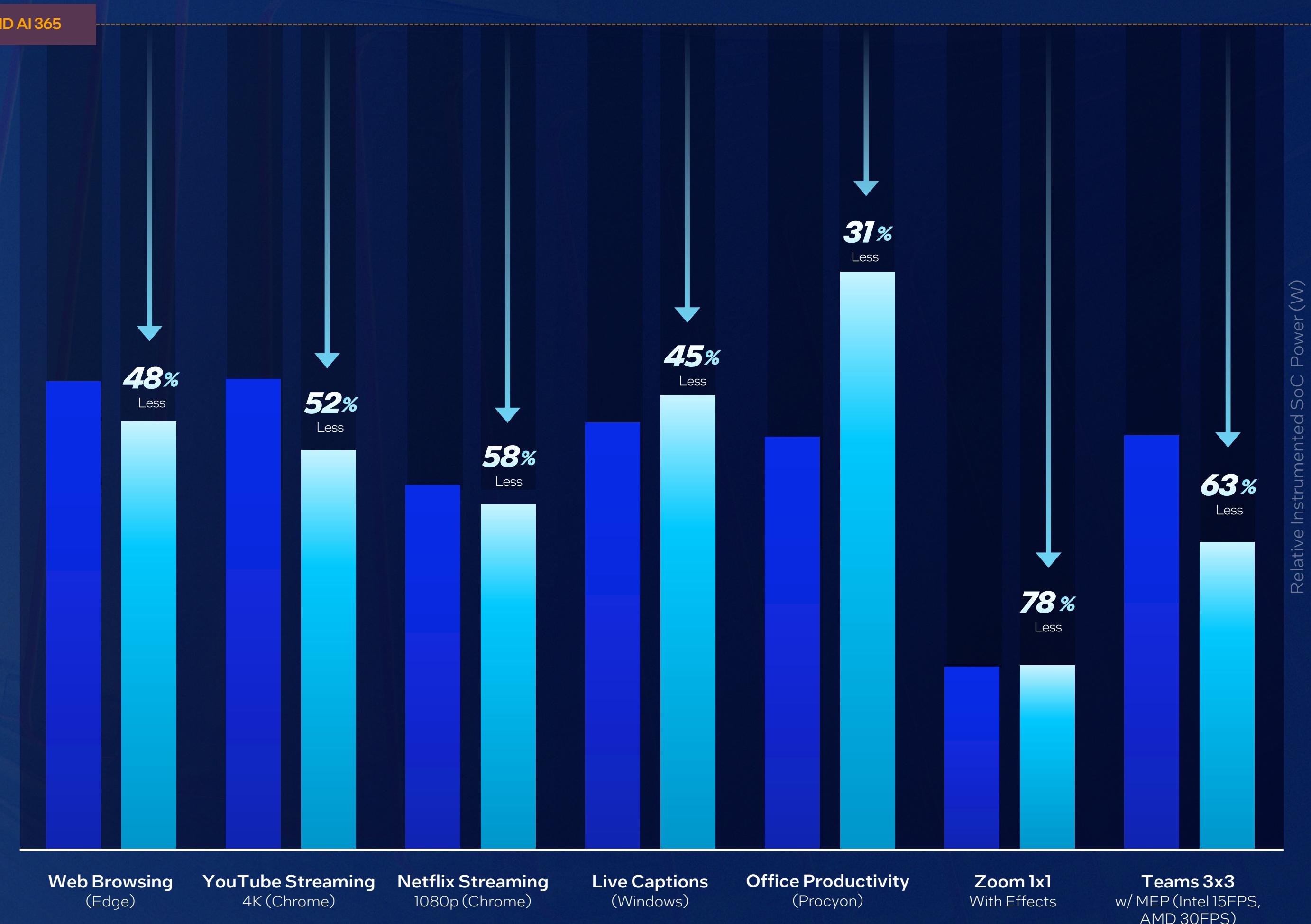
Continuing to Slash x86 Power

Up to
57%
Lower SOC Power
vs. Intel® Core™ Ultra 200H series



Leading x86 Power Efficiency

Up to
78%
Lower SOC Power
vs. AMD AI 365



Among x86-based thin & light laptops as of Dec. 2025, refers to Intel Core Ultra Series 3 processors, based on the unique architecture and impressive performance even at lower power compared to prior generation and competition processors. See intel.com/PerformanceIndex for details. Results may vary.



The x86 Battery Life King

With Intel® Core™ Ultra X9 388H

Lenovo IdeaPad Reference Design - 99Whr, 2.8k OLED

27
hours

Netflix Streaming

17
hours

UL Procyon® Battery Life:
Office Productivity

9
hours

Microsoft Teams 3x3
w/ Windows Studio Effects

Visualization for illustrative purposes only.

Among x86-based thin & light laptops as of Dec. 2025, refers to Intel Core Ultra Series 3 processors, based on the unique architecture and impressive performance even at lower power compared to prior generation and competition processors to enable superior battery life. Individual system results will vary significantly with different use, battery capacity and other factors. See intel.com/performanceindex for details.

Enables Best Battery Life in x86

Same OEM, similar 14" chassis



Among x86-based thin & light laptops as of Dec. 2025, refers to Intel Core Ultra Series 3 processors, based on the unique architecture and impressive performance even at lower power compared to prior generation and competition processors to enable superior battery life. Individual system results will vary significantly with different use, battery capacity and other factors. See intel.com/performanceindex for details.

Gaming



Multi-year Arc of Innovation



State of the Arc

Ray
Tracing
Built in

AI-Enhanced
Rendering
with XeSS

AI
Acceleration
with XMX



Software
Ecosystem
Day 0 Drivers

SYNCED

A New Class of Integrated Graphics



with Intel® Arc™ B390

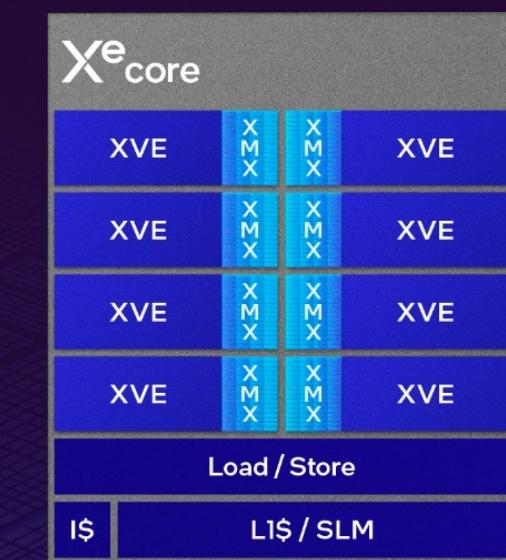


Our Biggest Integrated GPU

Intel® Arc™ B390

12

X^e-cores



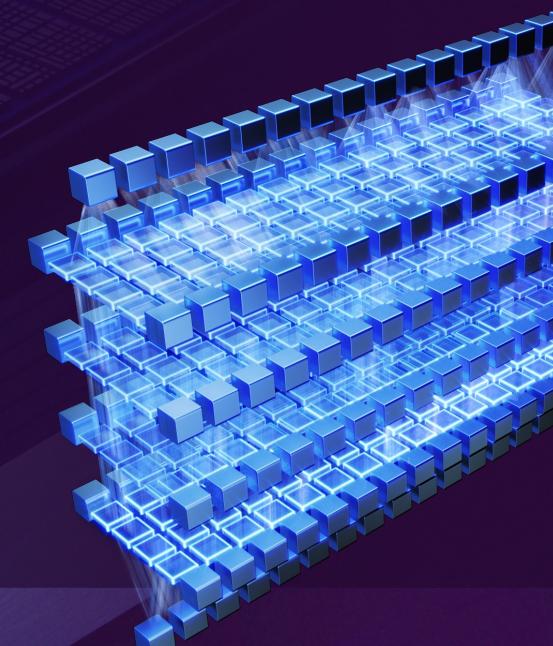
96

XMX Engines

DirectX
XII
ULTIMATE

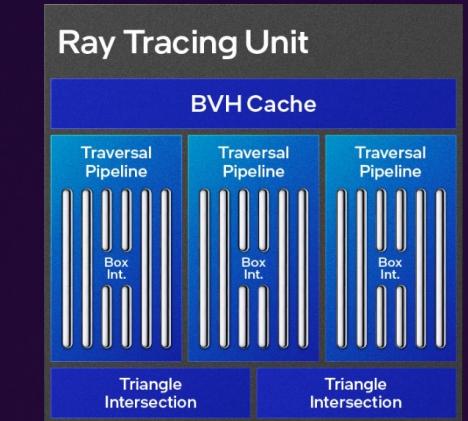
16MB

L2 Cache



120

TOPS



12

Enhanced
Ray Tracing
Units

Generational Performance Leap

77%

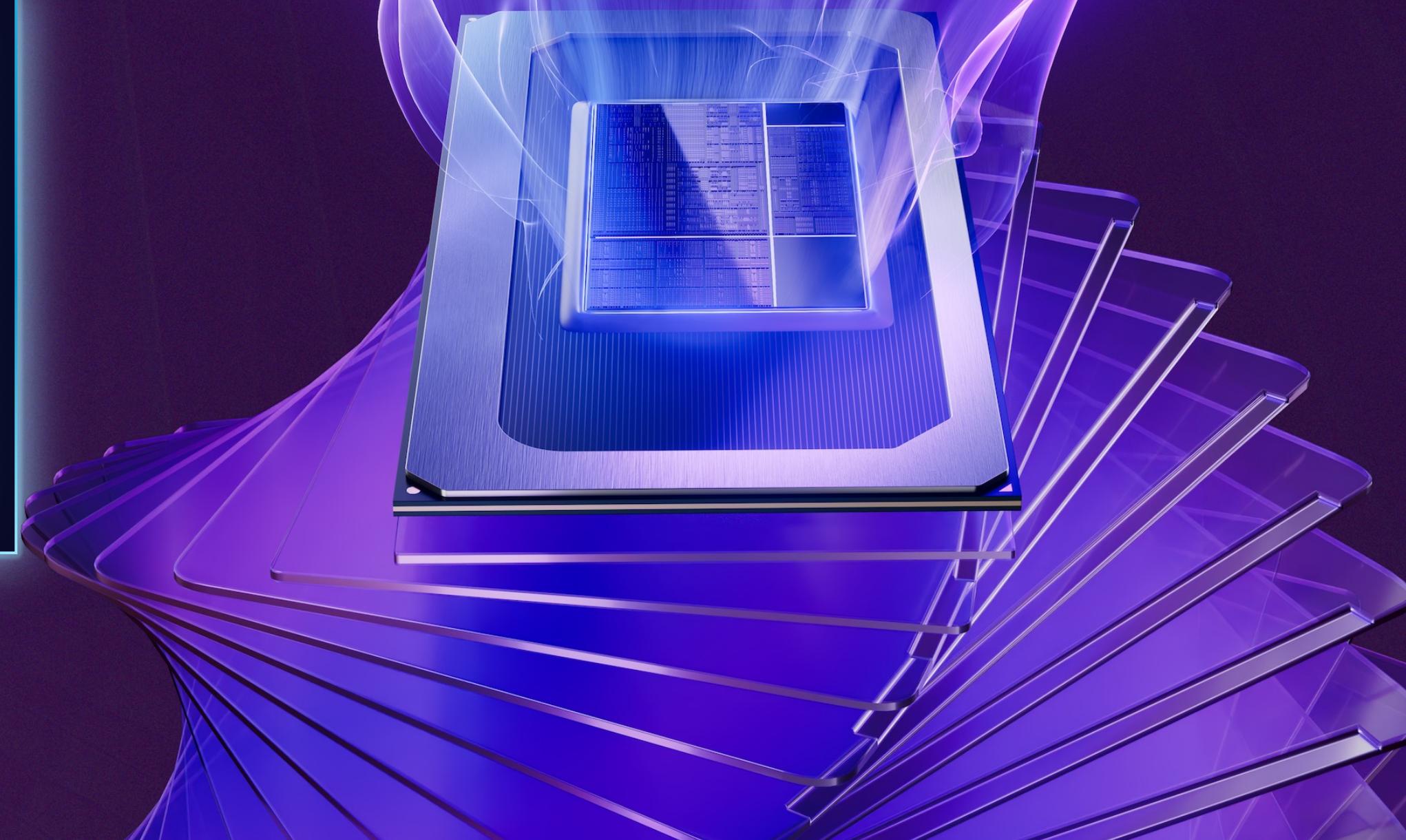
Faster Graphics

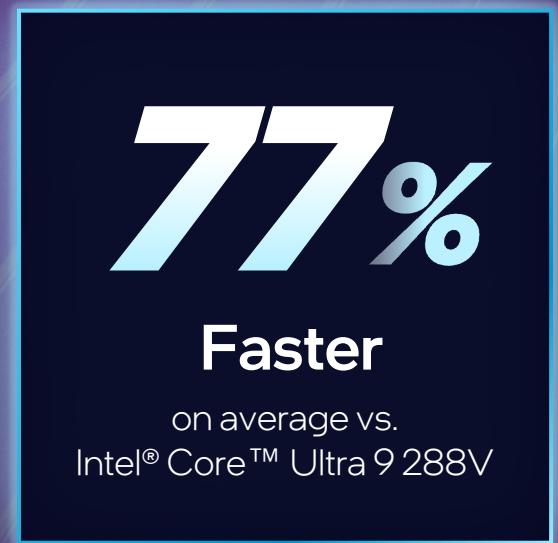
vs. Intel® Core™ Ultra 9 288V

53%

Faster AI

vs. Intel® Core™ Ultra 9 288V



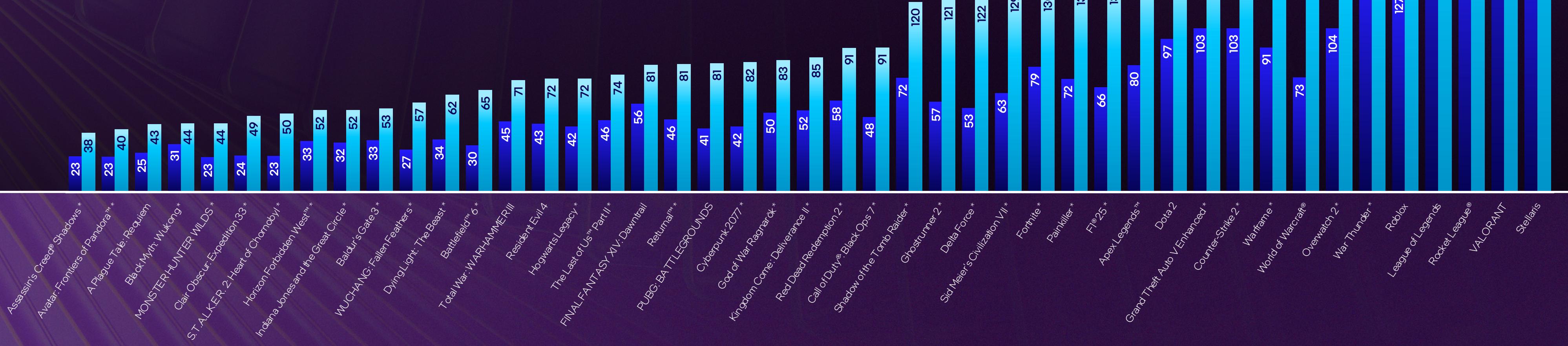


Generational Performance Leap

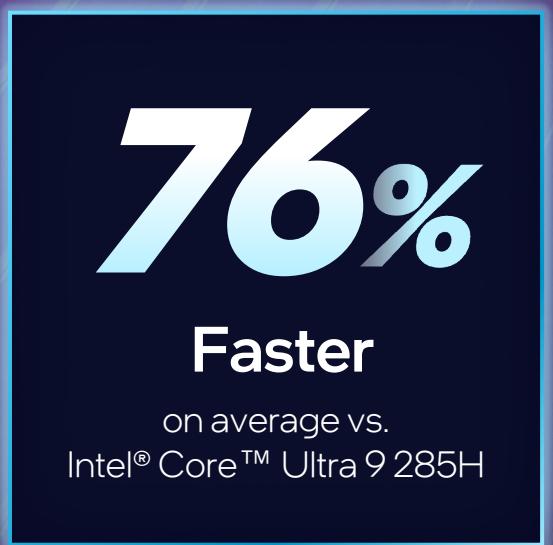
1080p High Gaming performance **with 2x Upscaling** Enabled in Supported Titles (*)

Intel® Core™ Ultra X9 388H with Intel® Arc™ B390 | 45W sustained

Intel® Core™ Ultra 9 288V with Intel® Arc™ 140V | 25W sustained

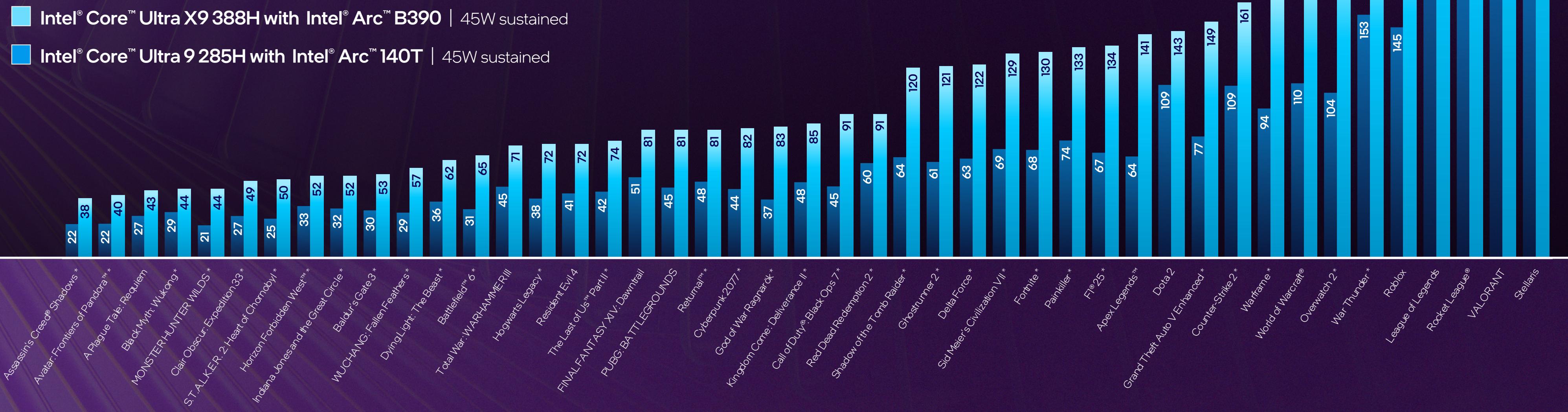


See intel.com/performanceindex for details. Results may vary.

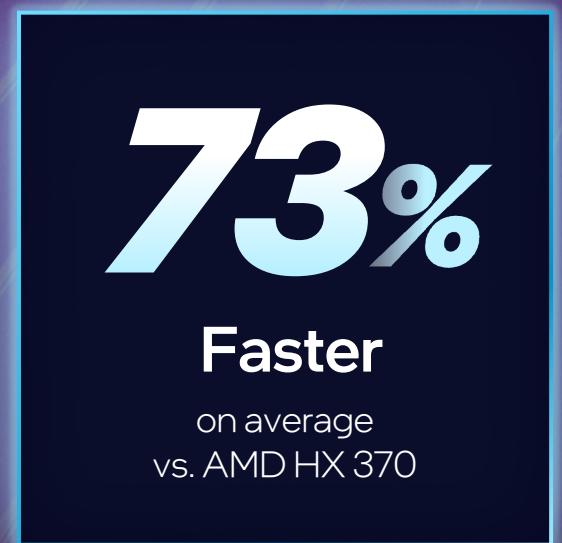


Generational Performance Leap

1080p High Gaming performance **with 2x Upscaling** Enabled in Supported Titles (*)

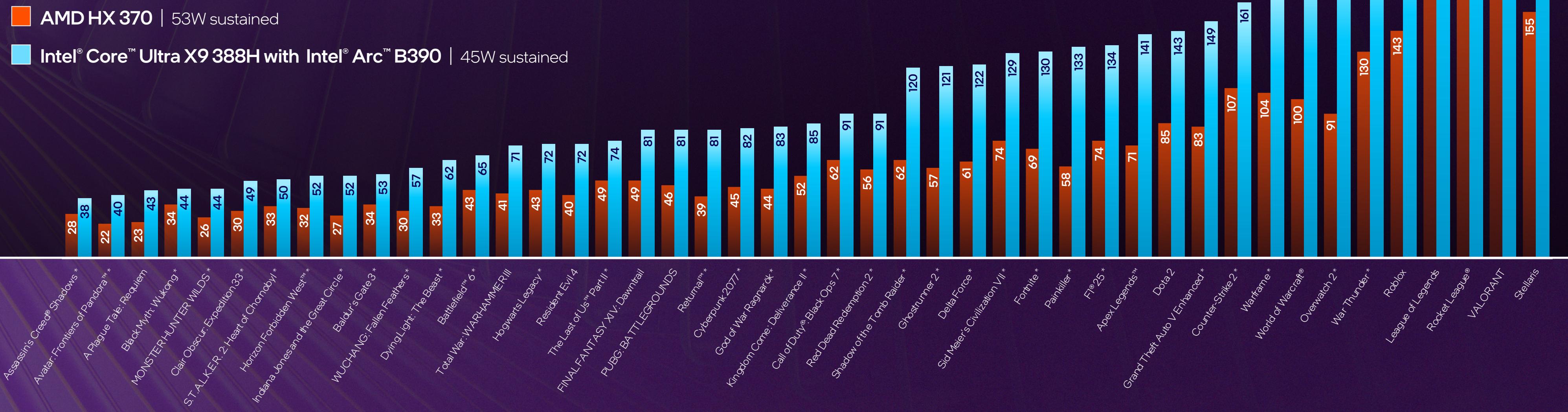


See intel.com/performanceindex for details. Results may vary.

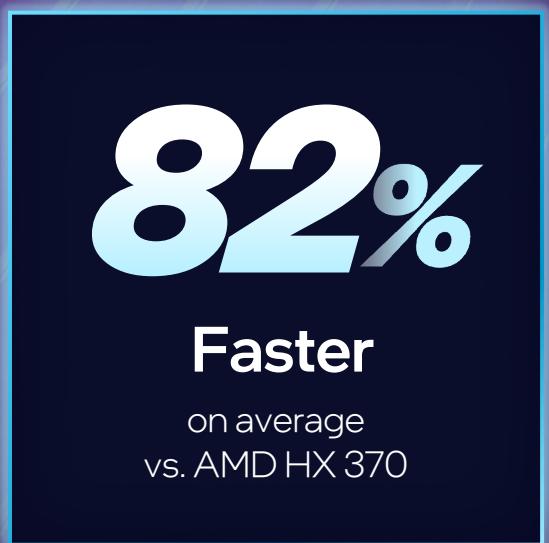


Performance in a League of its Own

1080p High Gaming performance **with 2x Upscaling** Enabled in Supported Titles (*)



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

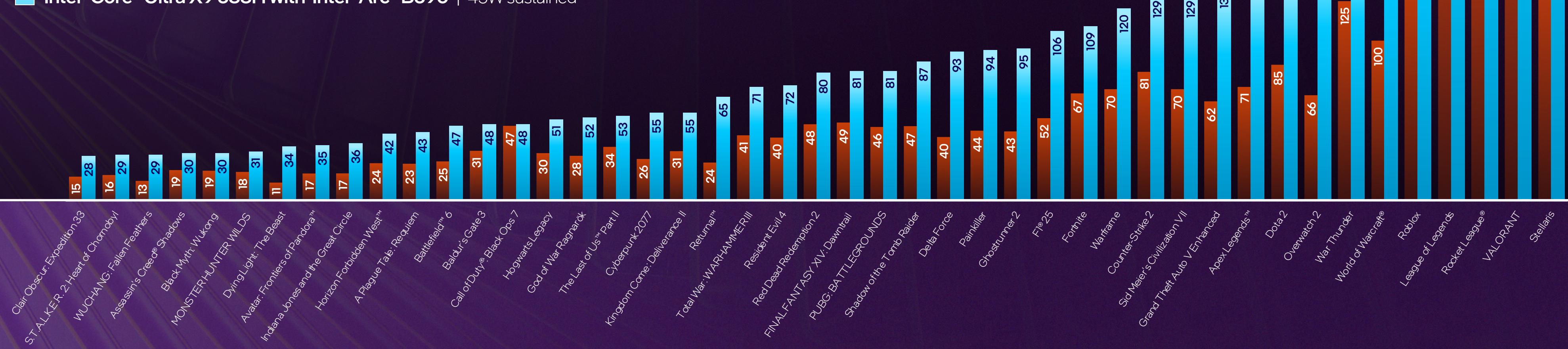


Performance in a League of its Own

1080p High Gaming performance **with Native Rendering**

AMD HX 370 | 53W sustained

Intel® Core™ Ultra X9 388H with Intel® Arc™ B390 | 45W sustained



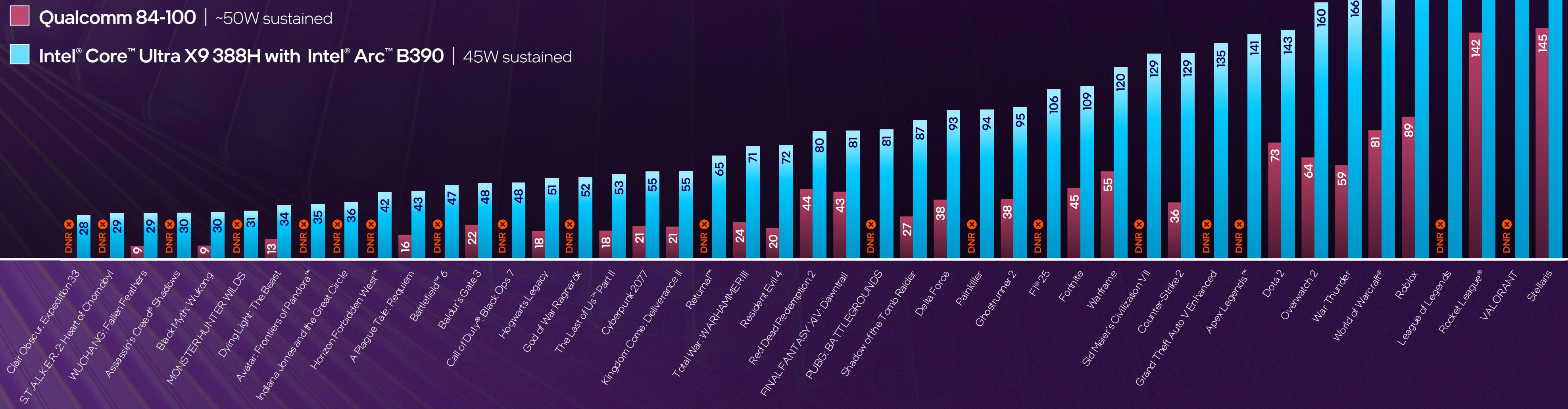
See intel.com/PerformanceIndex for details. Results may vary.

Average Game FPS (Higher is Better)



Performance You Can Count On

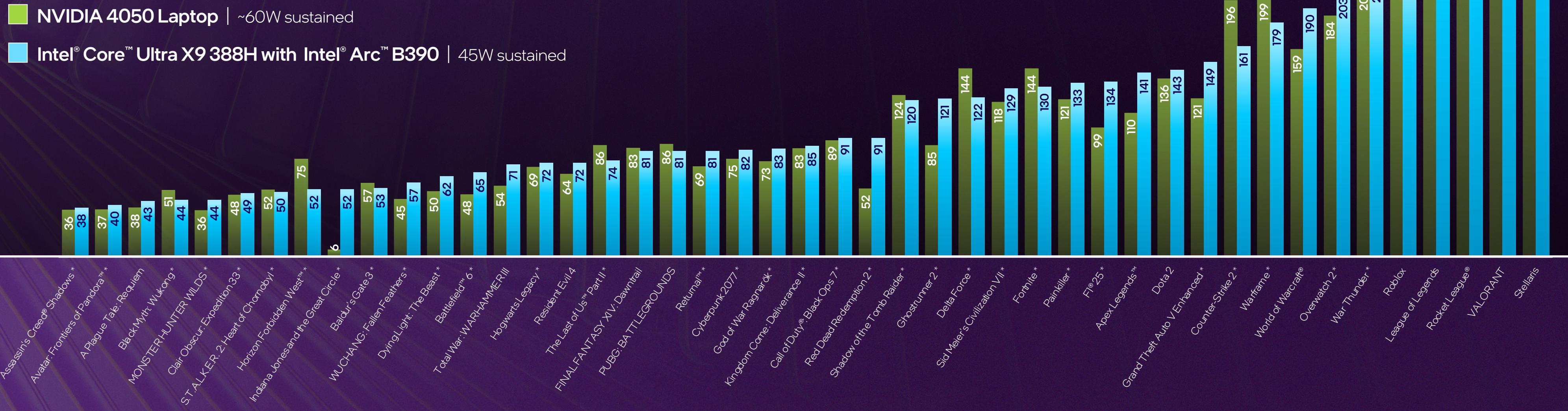
1080p High Gaming performance **with Native Rendering**



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

Similar Performance to Nvidia 4050 Laptop

10% faster on average - Intel® Core™ Ultra X9 388H vs. NVIDIA 4050 Laptop
1080p High Gaming performance with 2x Upscaling Enabled in Supported Titles (*)



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

Modern Rendering

with XeSS3

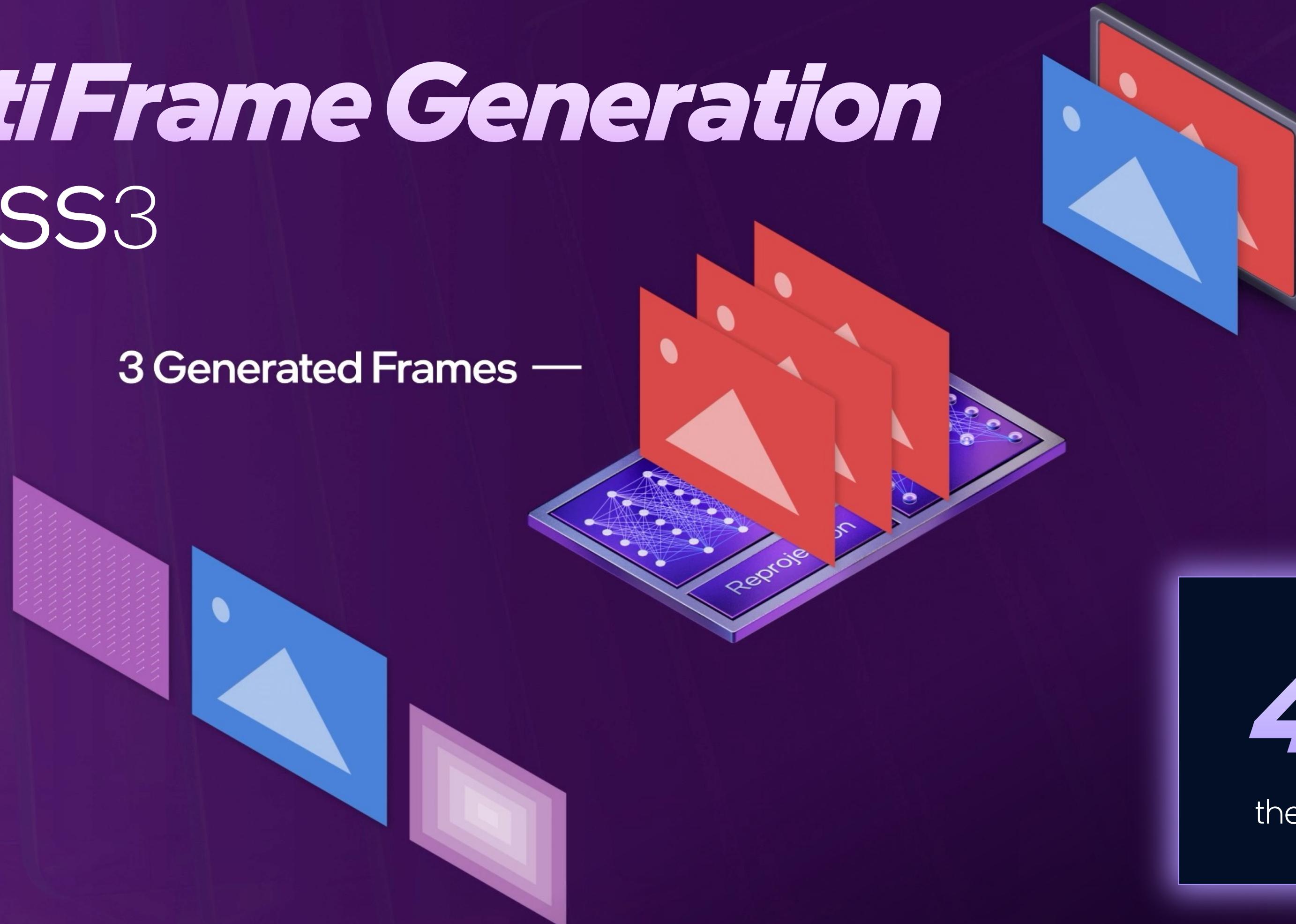
Better Lighting	Ray Tracing Global Illumination
Sharper Visuals	High Quality Textures Larger Geometries
Ultimate Smoothness	AI-Based Upscaling AI-Based Multi Frame Gen



MultiFrame Generation

with **XeSS3**

3 Generated Frames —



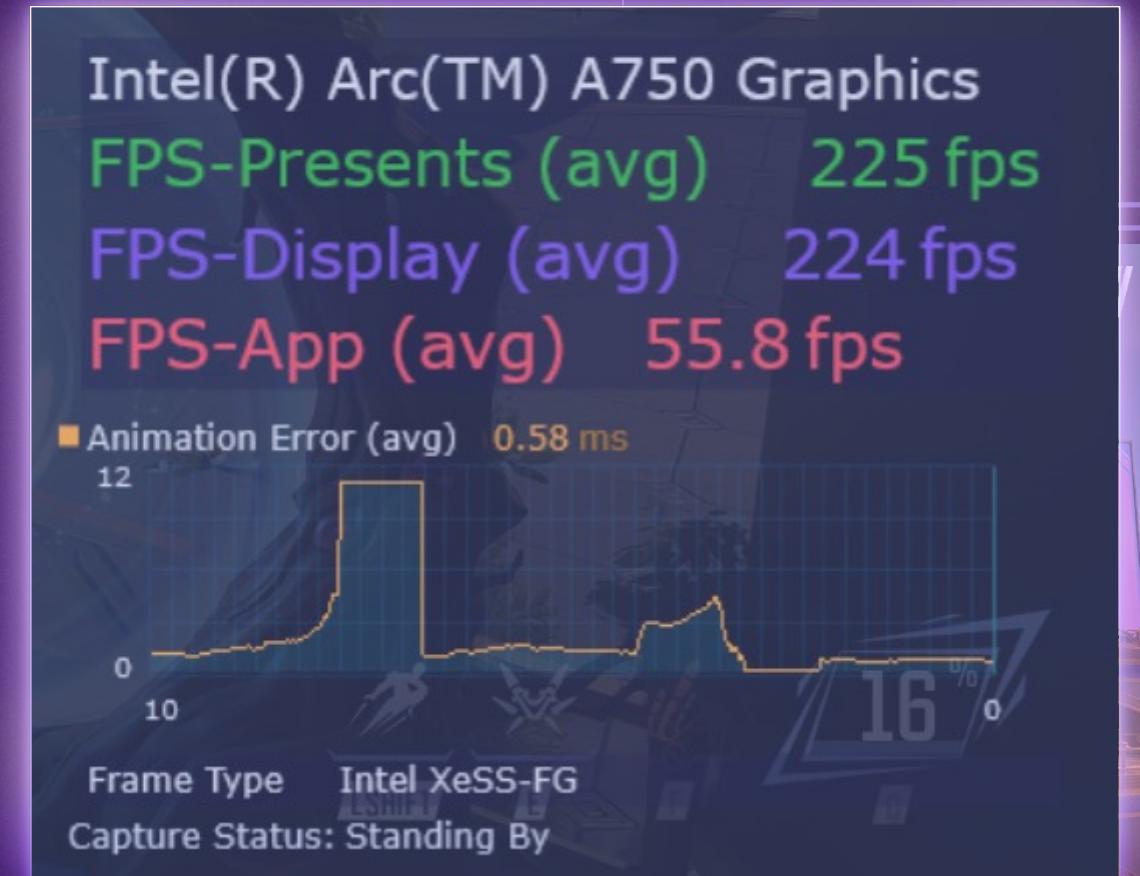
Up to
4x
the frames

Smoothness Metrics

Frame type differentiation

Animation error

Percentiles for all metrics



Leadership Modern Gaming

Cyberpunk 2077



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

Leadership Modern Gaming

Battlefield 6



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

Leadership Modern Gaming

Cyberpunk 2077



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

Leadership Modern Gaming

Battlefield 6



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

Leading AI Experiences & Performance



Rapid Evolution of Local AI

2020

- Productivity Augmentation
 - Smart Grammar
 - Face Recognition
 - Scene Detection
 - Handwriting Recognition
 - Simple Translation
 - Writing Suggestions
 - Voice to Text
 - Style Checking

2022

- Collaboration Enhancement
 - LUT Suggestions
 - Upscale Images
 - Denoise Images
 - Intelligent Cropping
 - AI Dictation
 - Document Text Recognition
 - Neural Filters
 - Background Noise Suppression
 - Object Tracking
 - Sign Language to Text
 - Game Upscaling
 - Intelligent Automated Edits
 - Realtime Lighting Filters
 - Face Tracking
 - Noise Removal
 - Style Transfer
 - Sign Language to Text
 - Generative Features
 - Prompt to Website
 - Real-Time Transcription
 - Generative Game Rendering
 - Research Assistance
 - Voice Over Generation
 - Multi Object Tracking
 - Co-Pilot
 - Generative Removal
 - Copywriting
 - Music Generation
 - Voice Over Generation
 - Audio Style Transfer
 - Procedural Gaming Worlds
 - Targeted Noise Removal
 - Object Removal from Video
 - Slide Generation
 - Video Generation
 - Multi Object Tracking
 - Video Style Transfer
 - AI Agents
 - AI In-Game Characters
 - Photo to Animated Video
 - Multi Object Tracking
 - Meeting Summarization
 - Smart Fill

2024

- AI Generation
 - Image Generation
 - 2D to 3D Generation
 - Face Filters
 - ML Based Security
 - Generative Features
 - Co-Generation
 - Photo to Animated Video
 - Multi Object Tracking
 - Meeting Summarization
 - Smart Fill

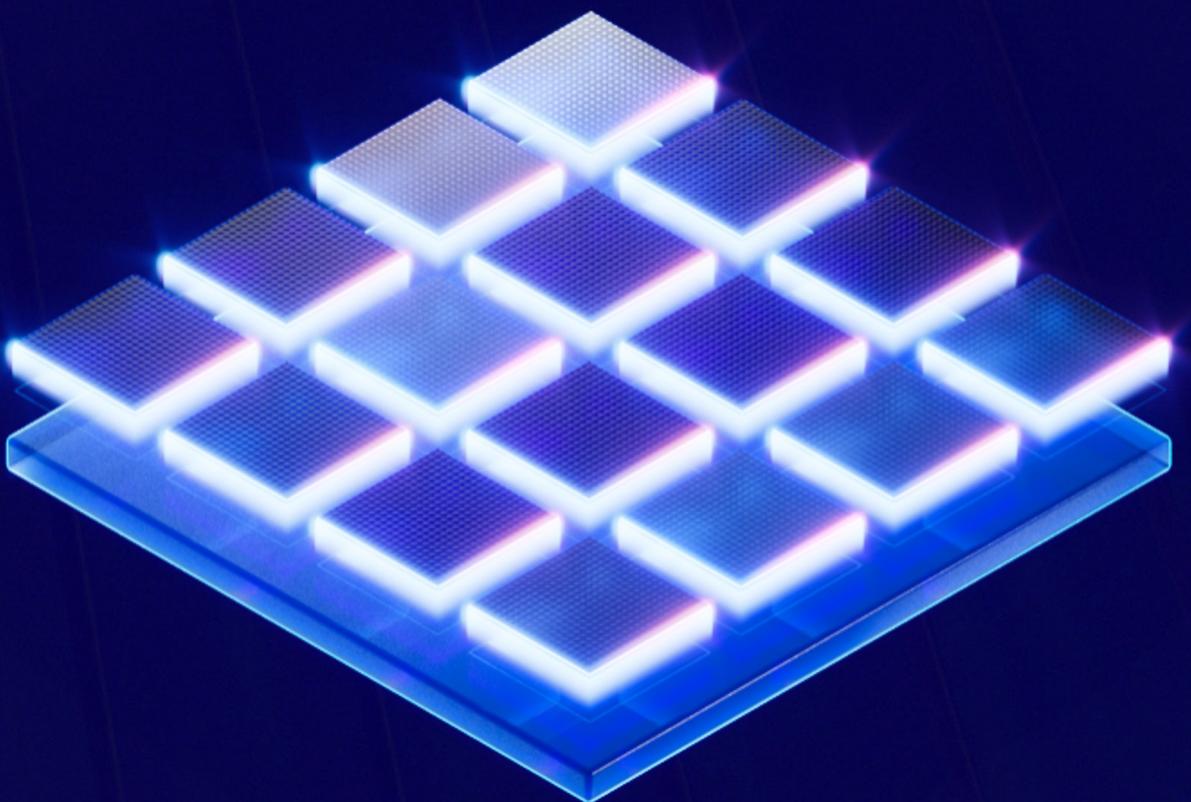
Intelligence Applications

350+

ISVs

500+

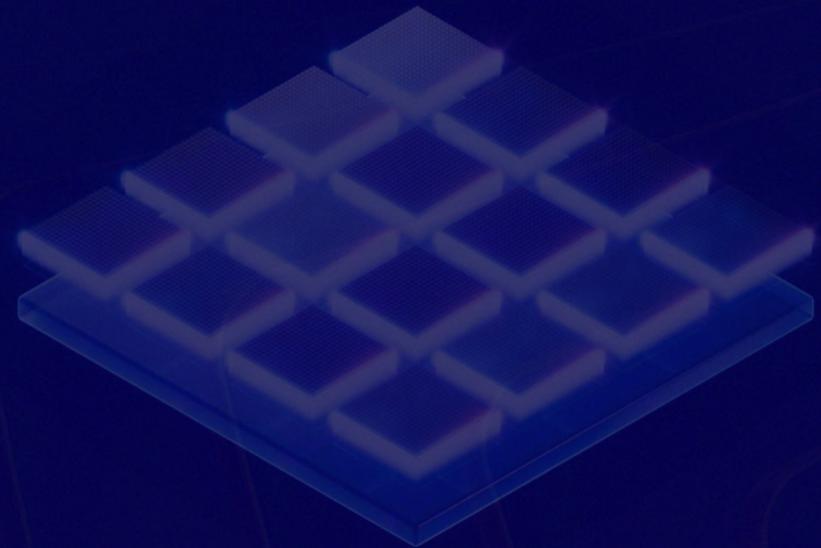
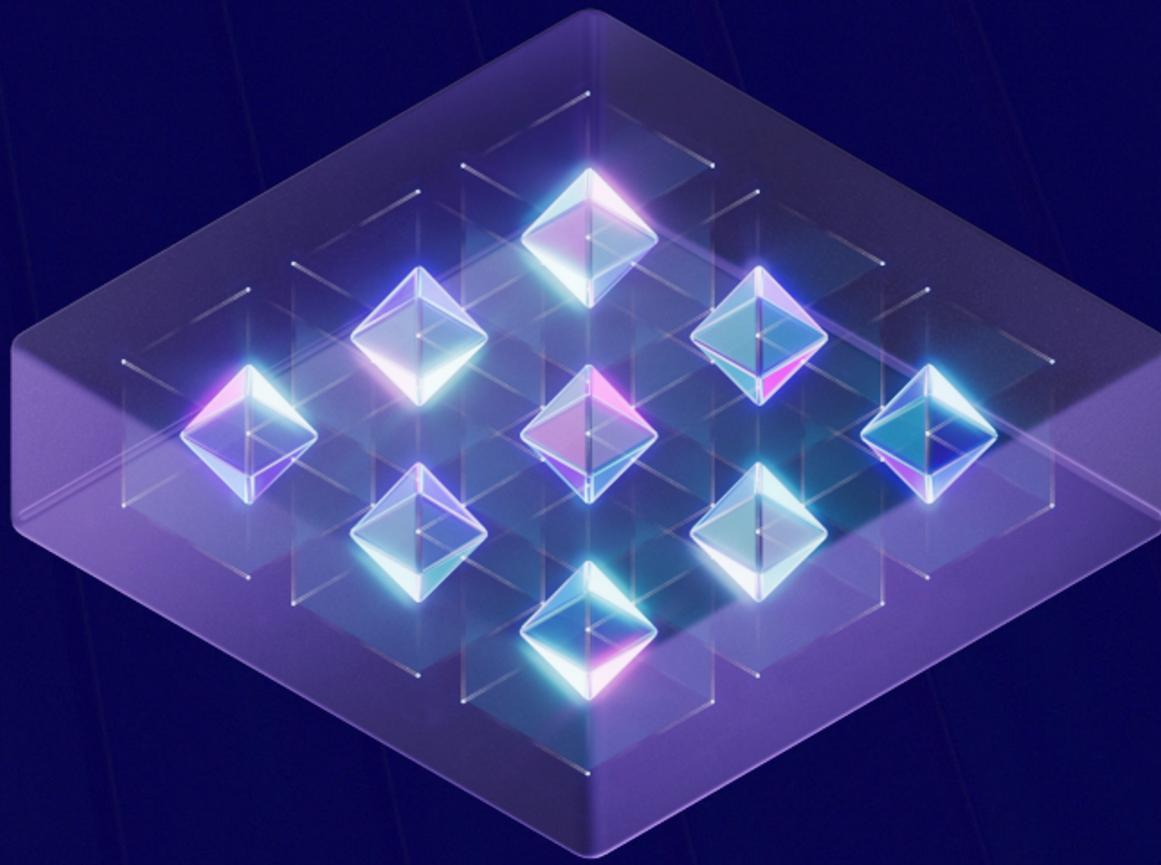
AI Features



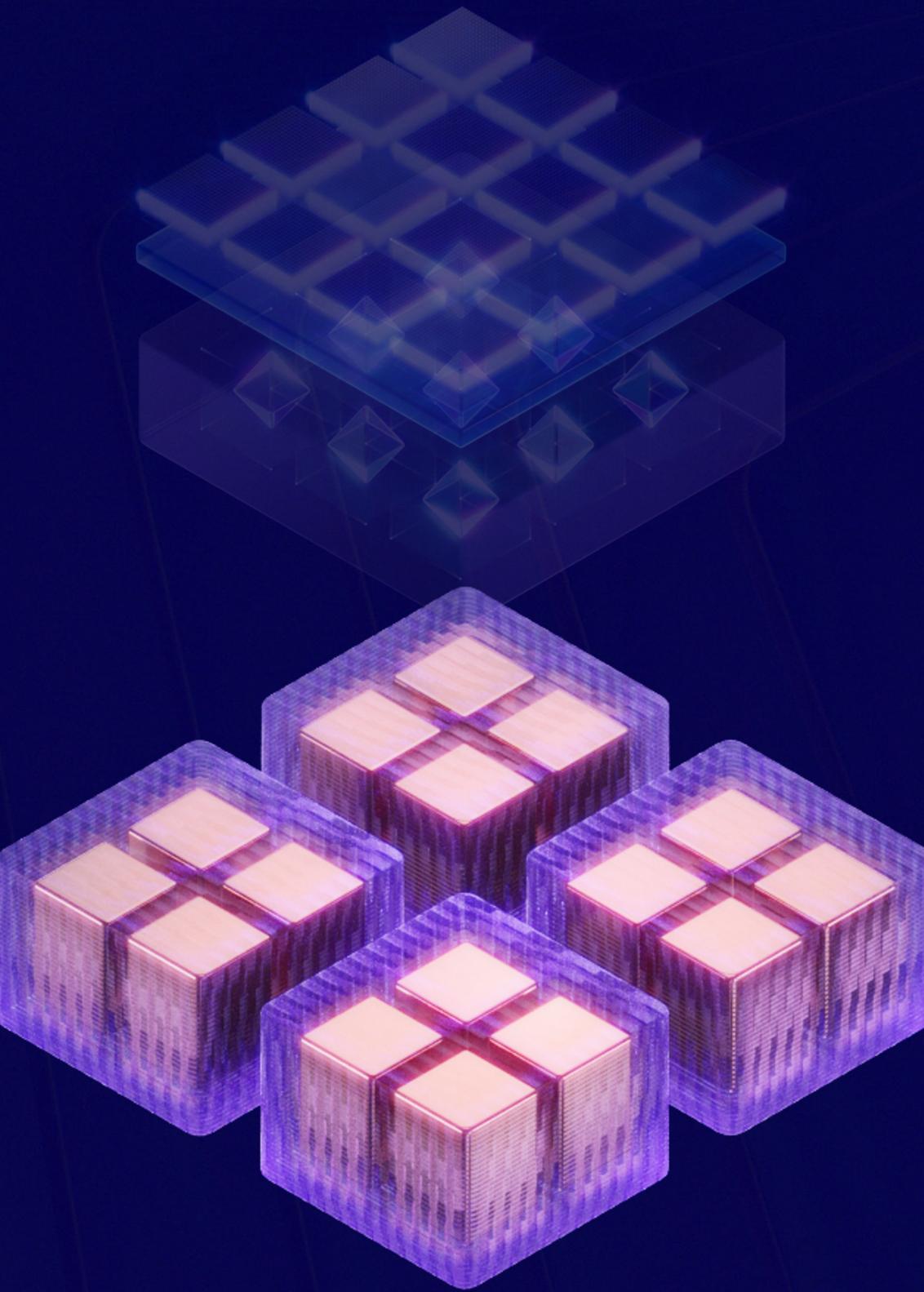
AI Model Support

900+

Models
Supported



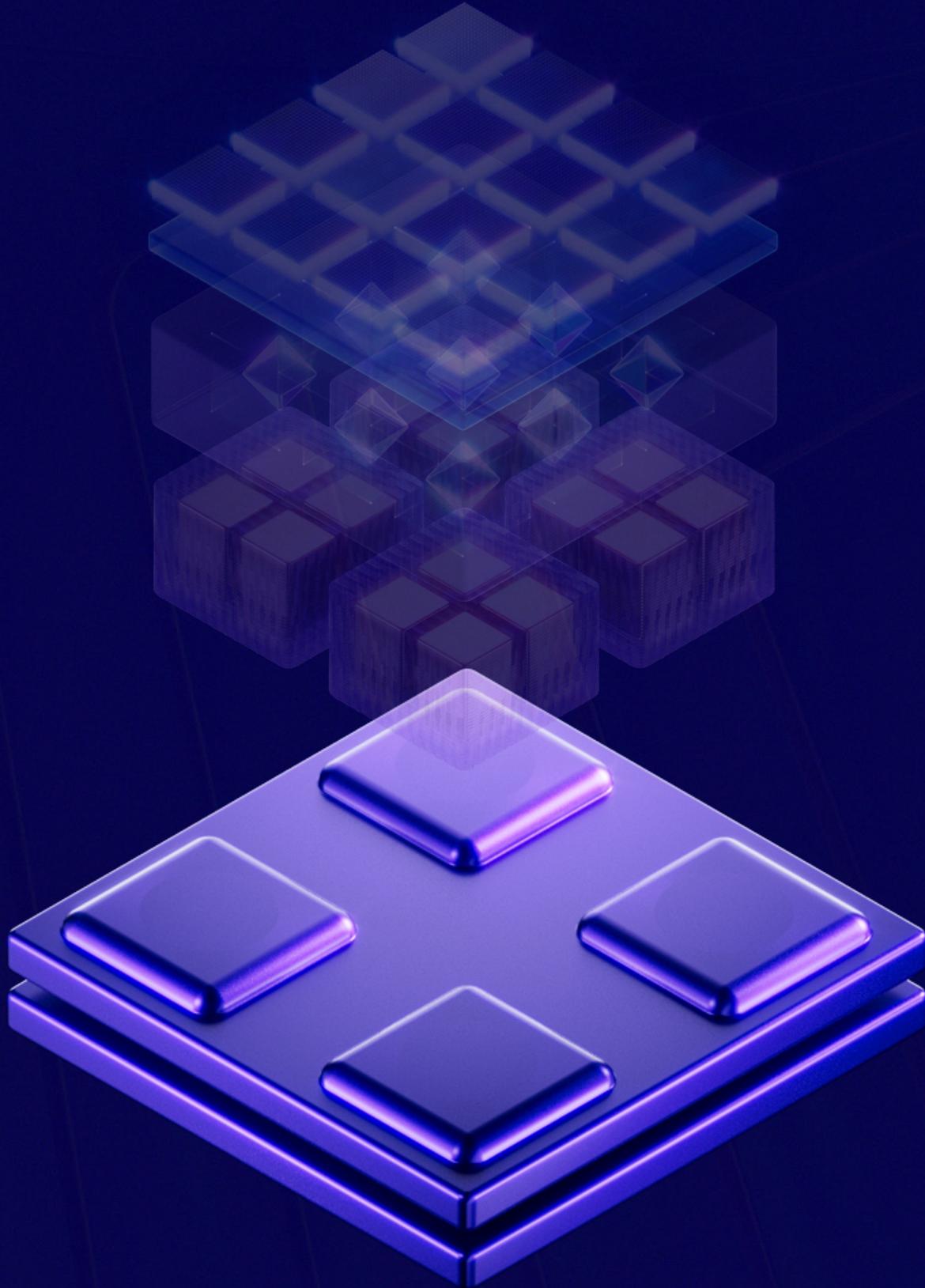
Scalable Deployment



Deep OS Co-Engineering

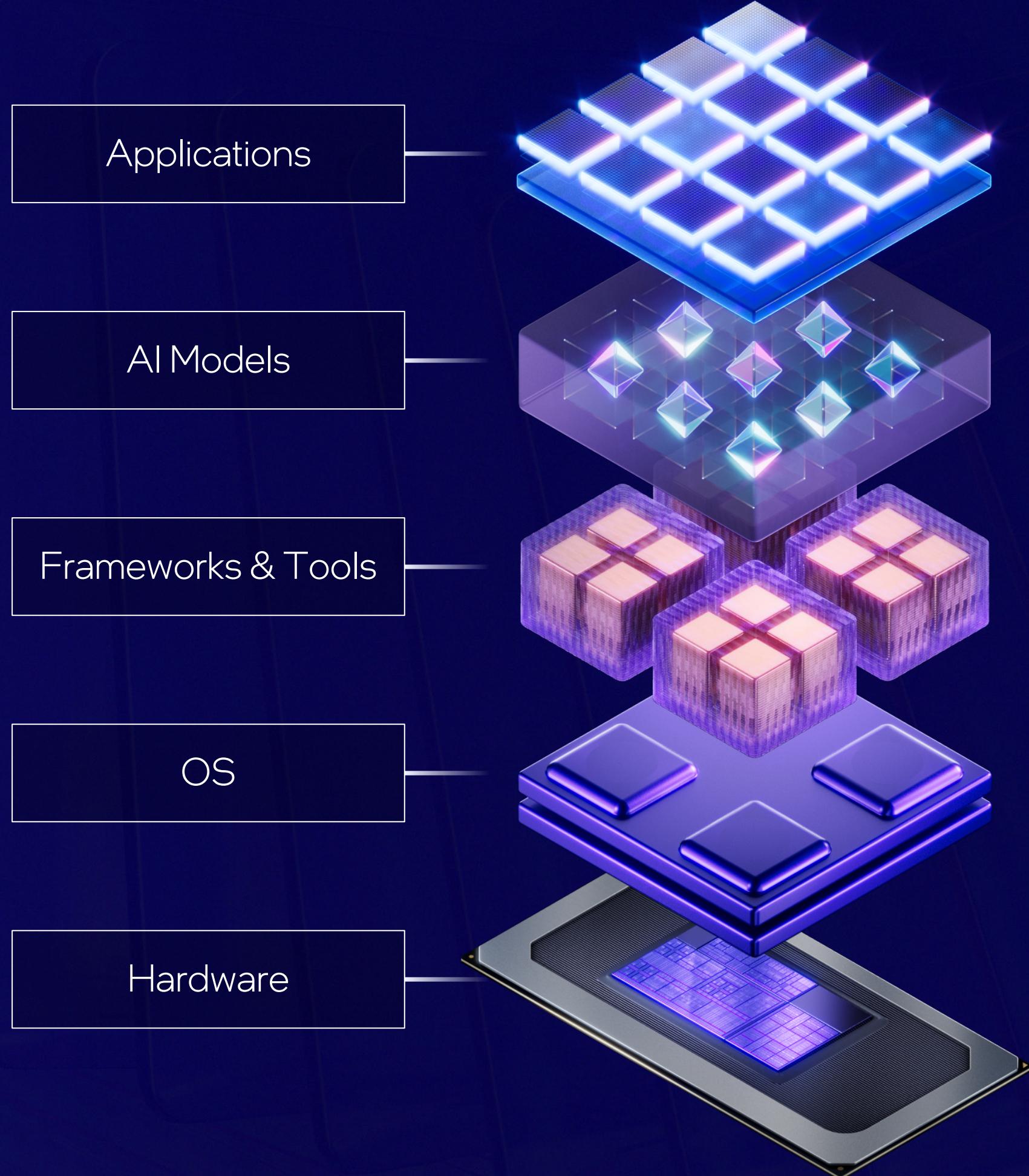


Copilot+PC



Intelligent Stack

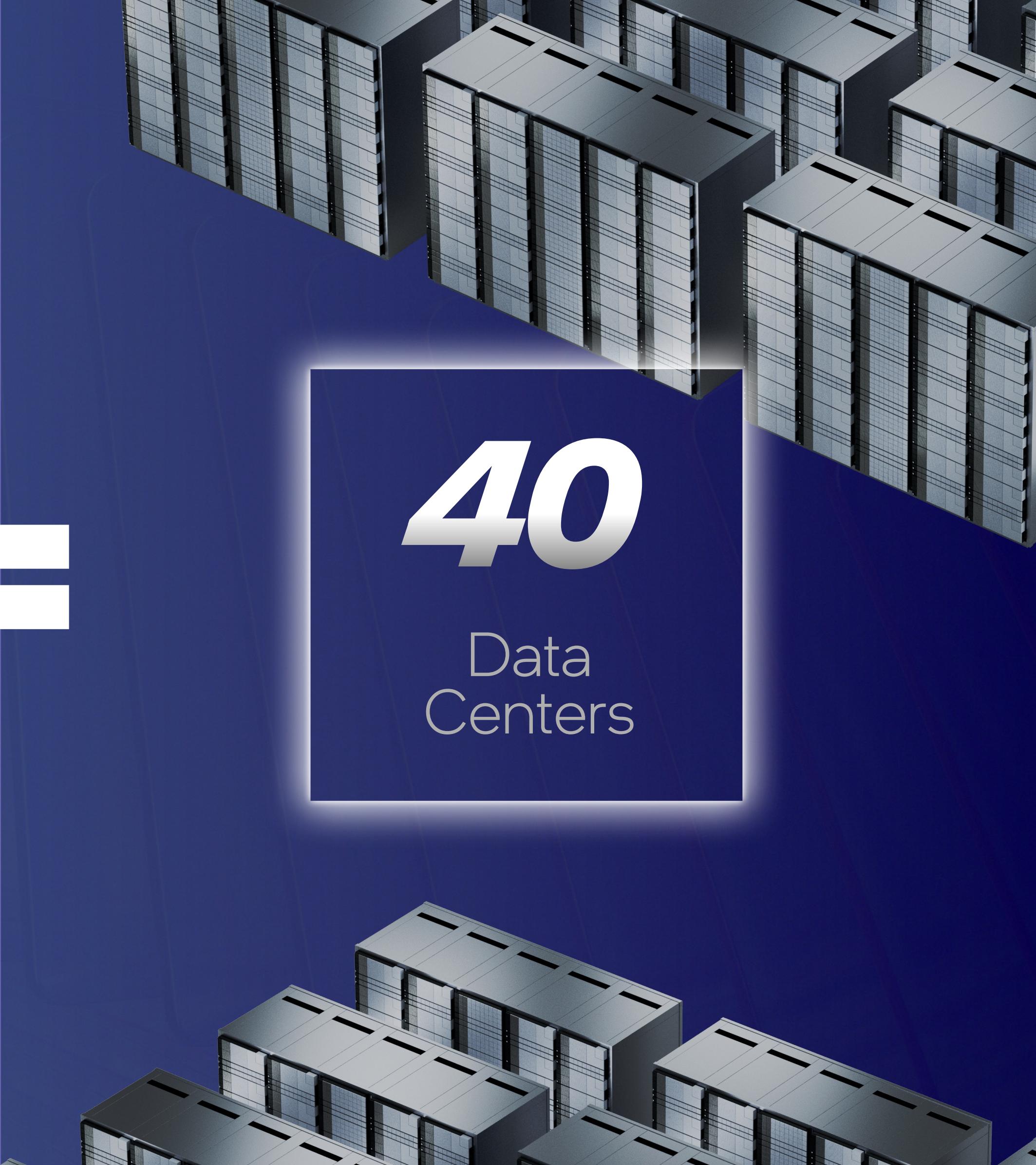
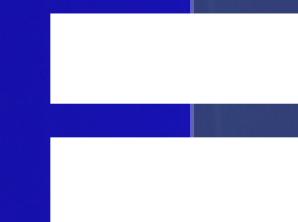
Engineered to scale new experiences





~4

Zetta Ops
of Intel AI PCs

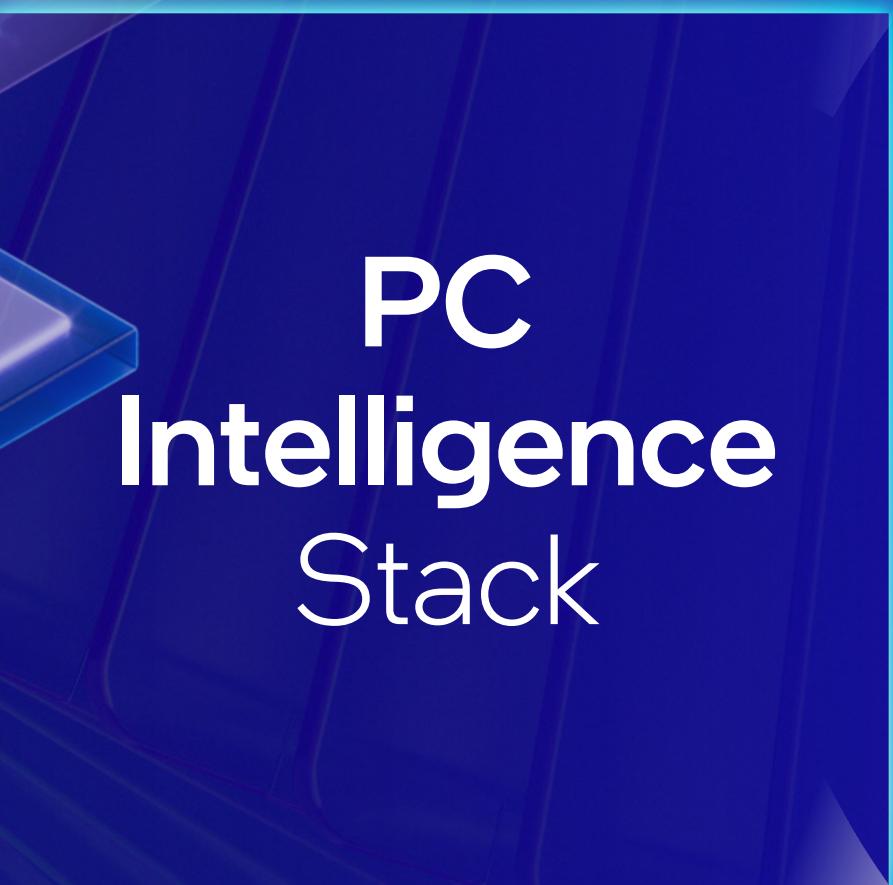


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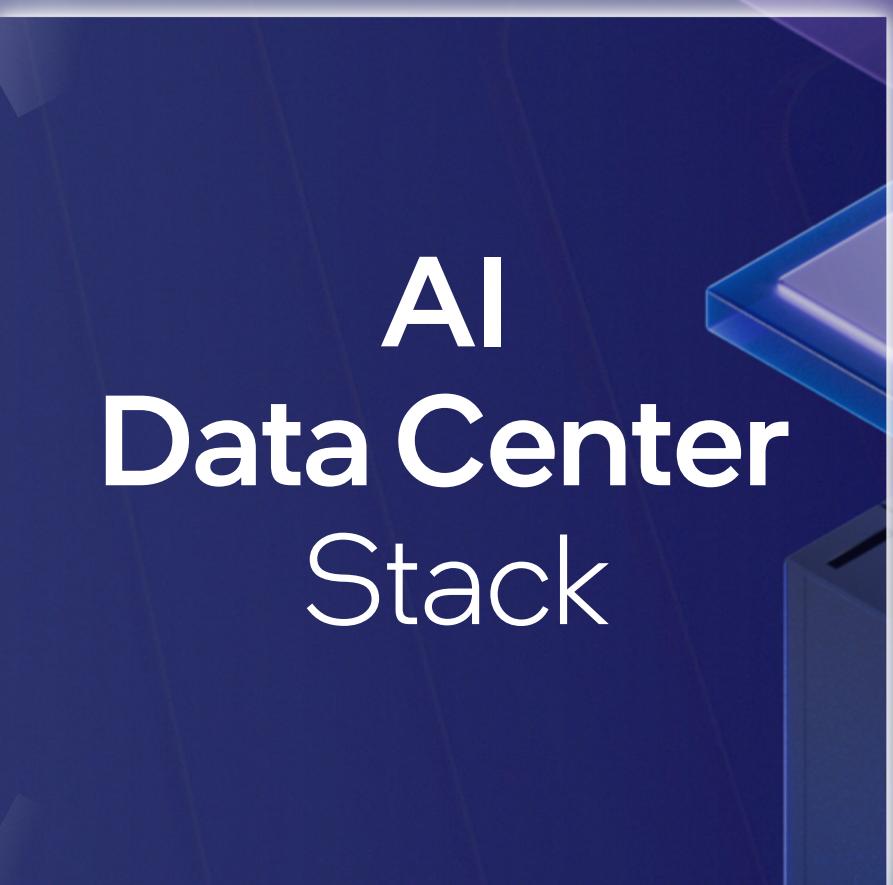
Data
Centers



Hybrid *AI Era*

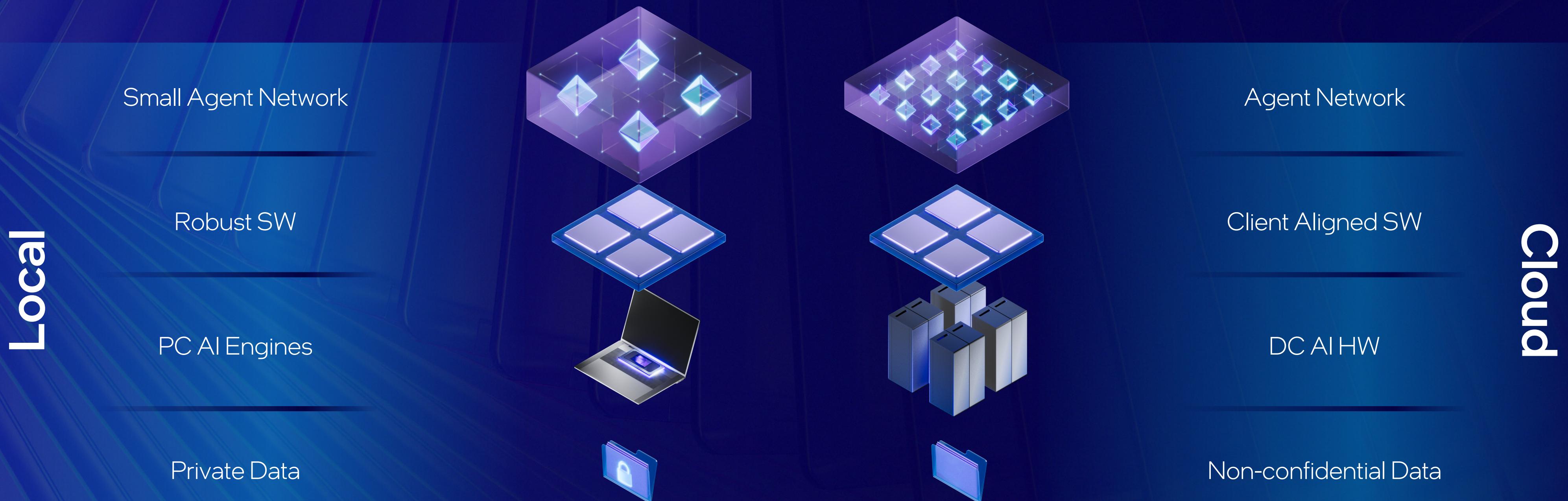


PC
Intelligence
Stack



AI
Data Center
Stack

Hybrid *Agentic AI*



Local

Small Agent Network

Robust SW

PC AI Engines

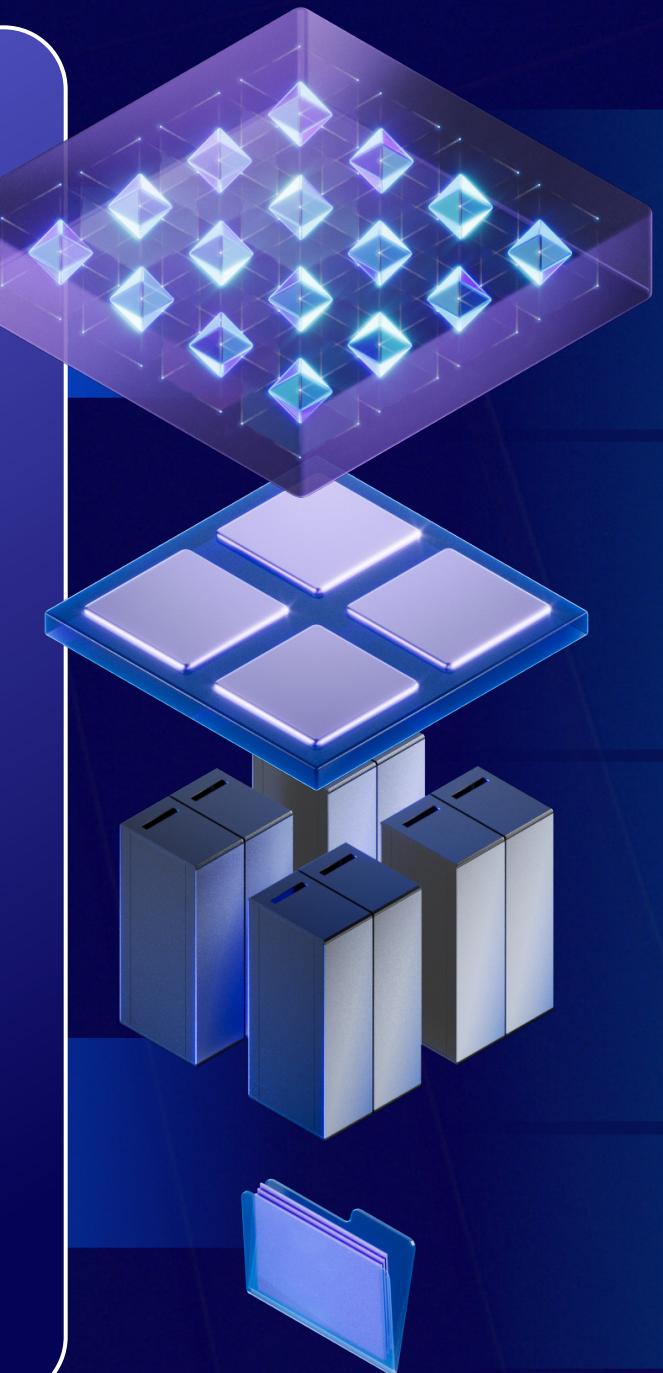
Private Data



AI Super Builder

Hybrid Agentic Planner

Privacy Preserved Communication



Cloud LLM

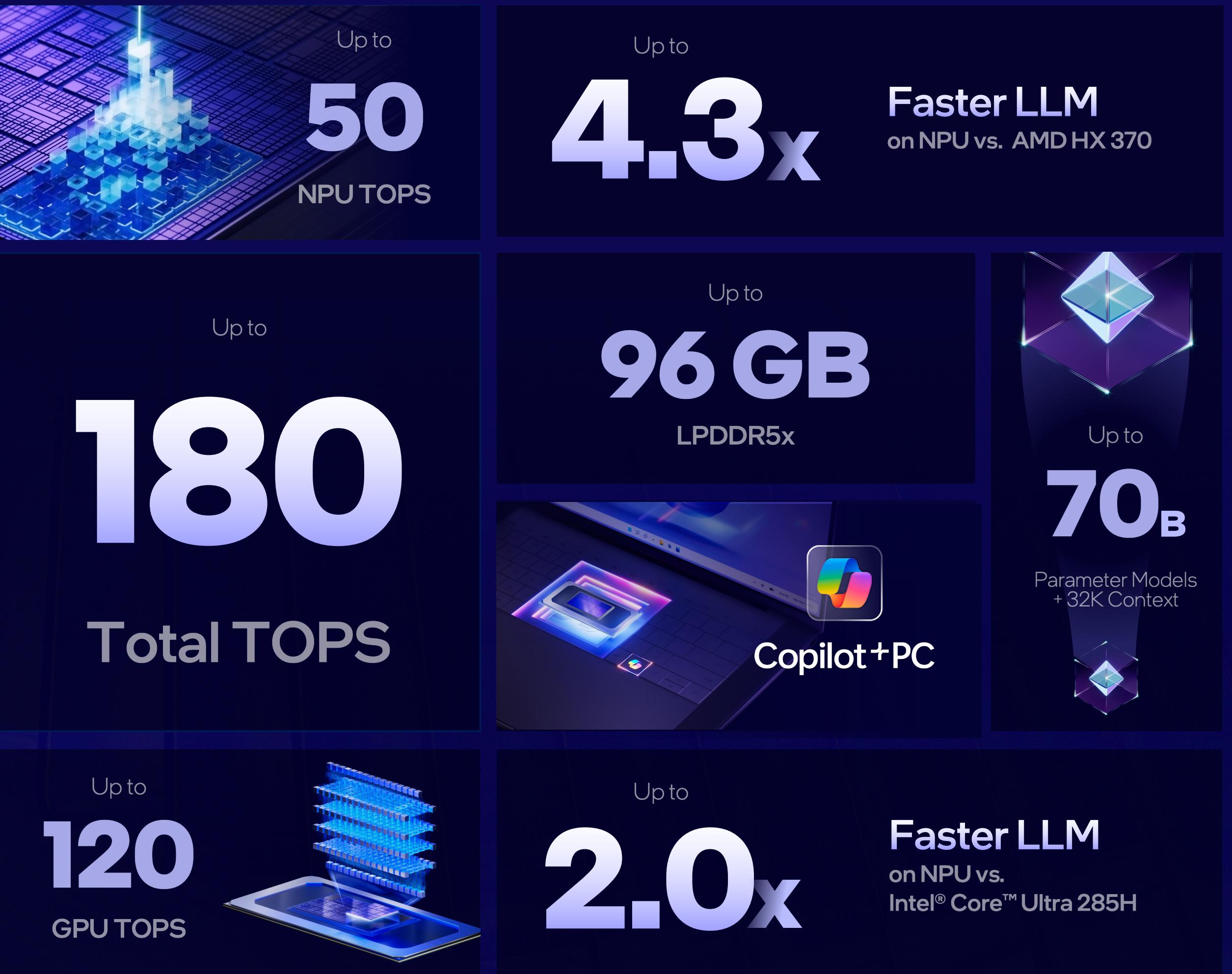
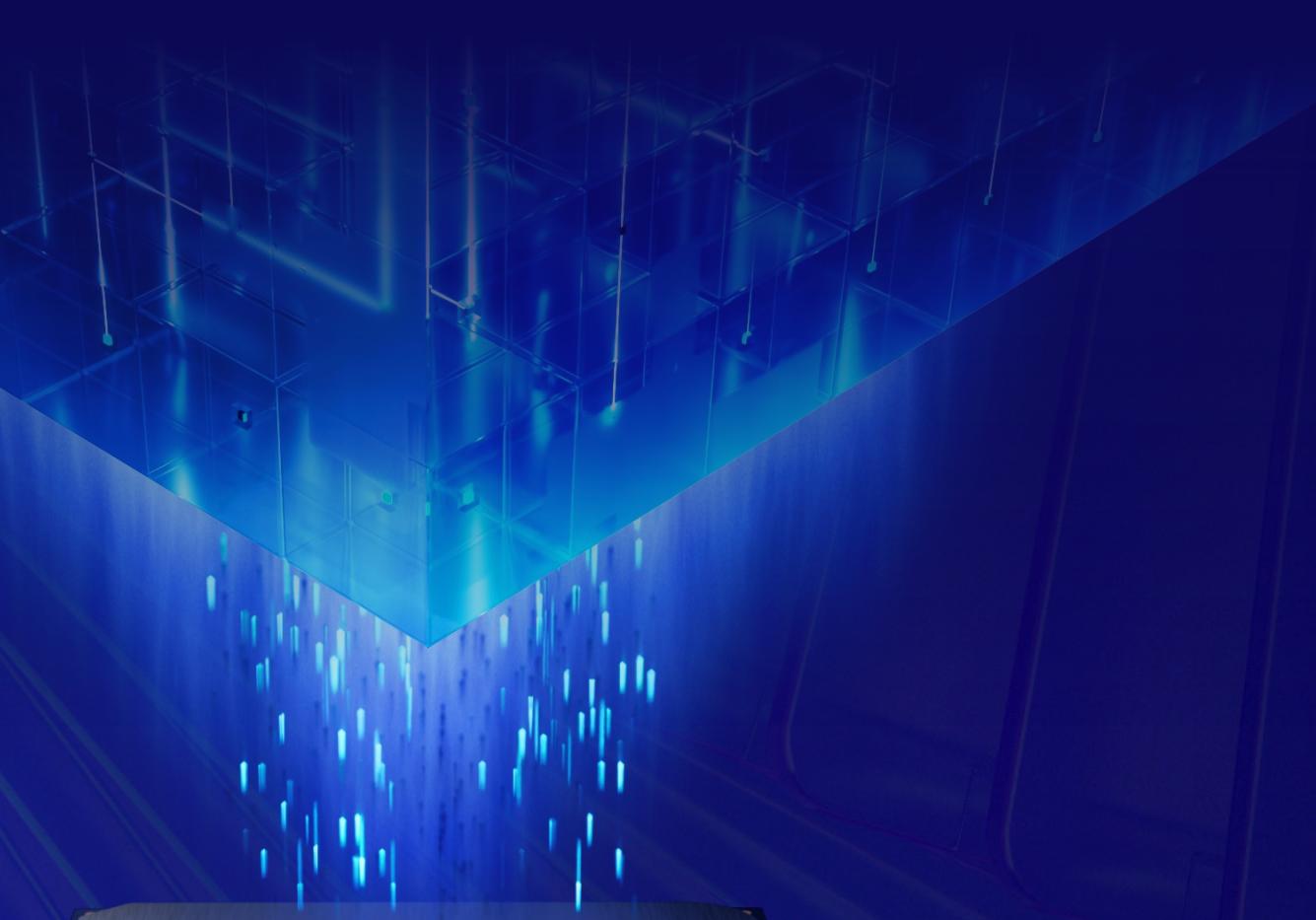
Client Aligned SW

Data Center

Non-Confidential
Data

Cloud

AI Powerhouse



Details at intel.com/performanceindex. Results may vary.



Intel® Core™ Ultra Series 3

The Only PC Processor with 2 Fully Featured AI Engines

Dense Matrix Compute

High Bandwidth Memory



X^e Matrix Extensions



Full System Memory Access



Dense MAC Arrays



Full System Memory Access

See intel.com/performanceindex for details.

Leadership Performance Across ALL AI Engines

Geekbench AI 1.6 Scores



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

Consistent & Fast LLM Performance

Vendor Path

Intel® Core™ Ultra X9 388H | OpenVINO
Reference Platform, 45W sustained

Intel® Core™ Ultra 9 288V | OpenVINO
Reference Platform, 25W sustained

Intel® Core™ Ultra 9 285H | OpenVINO
Reference Platform, 45W sustained

AMD HX 370 | ROCm
Customer Chassis, 53W sustained

Qualcomm 84-100 | QNN
Customer Chassis, ~50W sustained

Windows ML

Intel® Core™ Ultra X9 388H
Reference Platform, 45W sustained

Intel® Core™ Ultra 9 288V
Reference Platform, 25W sustained

Intel® Core™ Ultra 9 285H
Reference Platform, 45W sustained

AMD HX 370
Customer Chassis, 53W sustained

Qualcomm 84-100
Customer Chassis, ~50W sustained

High Throughput Engines

Tokens/s (Higher is better)



Llama 3.1 - 8B

GPU 25.9

GPU 23.7

GPU 15.7

GPU 10.7

NPU + CPU 22.3

GPU 25.8

GPU 23.7

GPU 15.6

GPU 13.4

DNR ✗

Power Efficient Engines

Tokens/s (Higher is better)



Llama 3.1 - 8B

NPU 23.0

NPU 19.7

NPU 11.8

DNR ✗

DNR ✗

NPU 23.4

NPU 19.6

NPU 11.7

NPU 5.4

DNR ✗

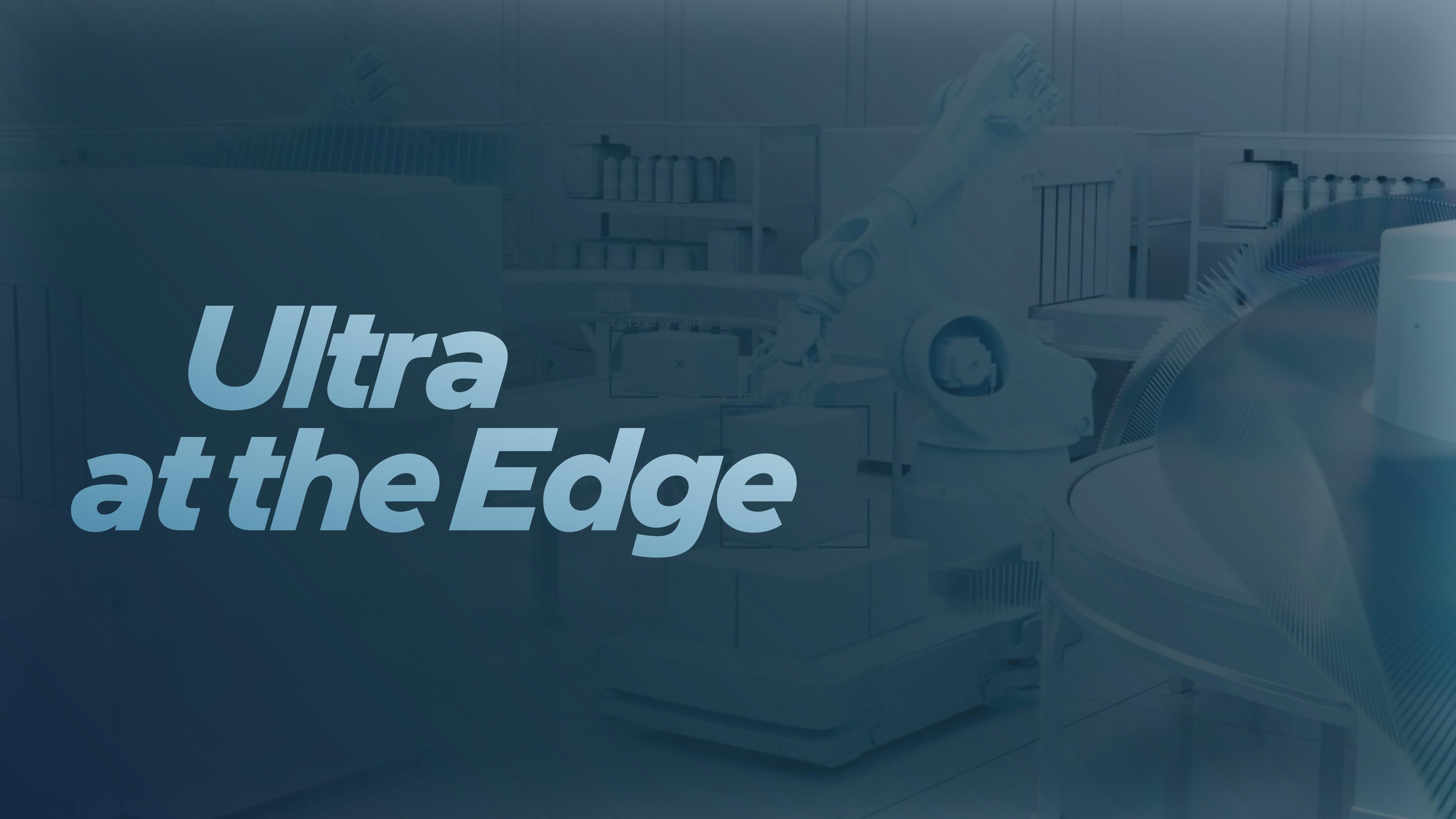
Details at intel.com/performanceindex. Results may vary.

AI creation runs best on Intel® Core™ Ultra Series 3

Intel® Core™ Ultra 9 388H vs. Intel® Core™ Ultra 9 285H

Adobe After Effects Scene Edit Detection	up to 1.1x	Adobe Premiere Pro Auto Reframe	up to 1.2x	DaVinci Resolve Studio Magic Mask 2	up to 1.3x
 Canvid AI Background	up to 1.4x	 Ollama GPT-OSS 20B	up to 2.5x	 LM Studio Llama4 Dolphin 8B	up to 1.5x
 DistinctAI RenderFX Image Render	up to 1.1x	 Blender Cycles Render	up to 1.5x	 Microsoft Power BI AI Data Splits	up to 1.1x
 DxO PhotoLab⁹ Denoise Image	up to 1.2x	 Axell Ailia DX Insights Benchmark Geomean	up to 1.5x	 Cyberlink Promeo AI Marketing Advisor	up to 1.5x
 EdgeRunner AI Answer Question	up to 2x	 Microsoft Excel Data Refresh	up to 1.1x	 Topaz Photo 4X Upscale	up to 1.3x

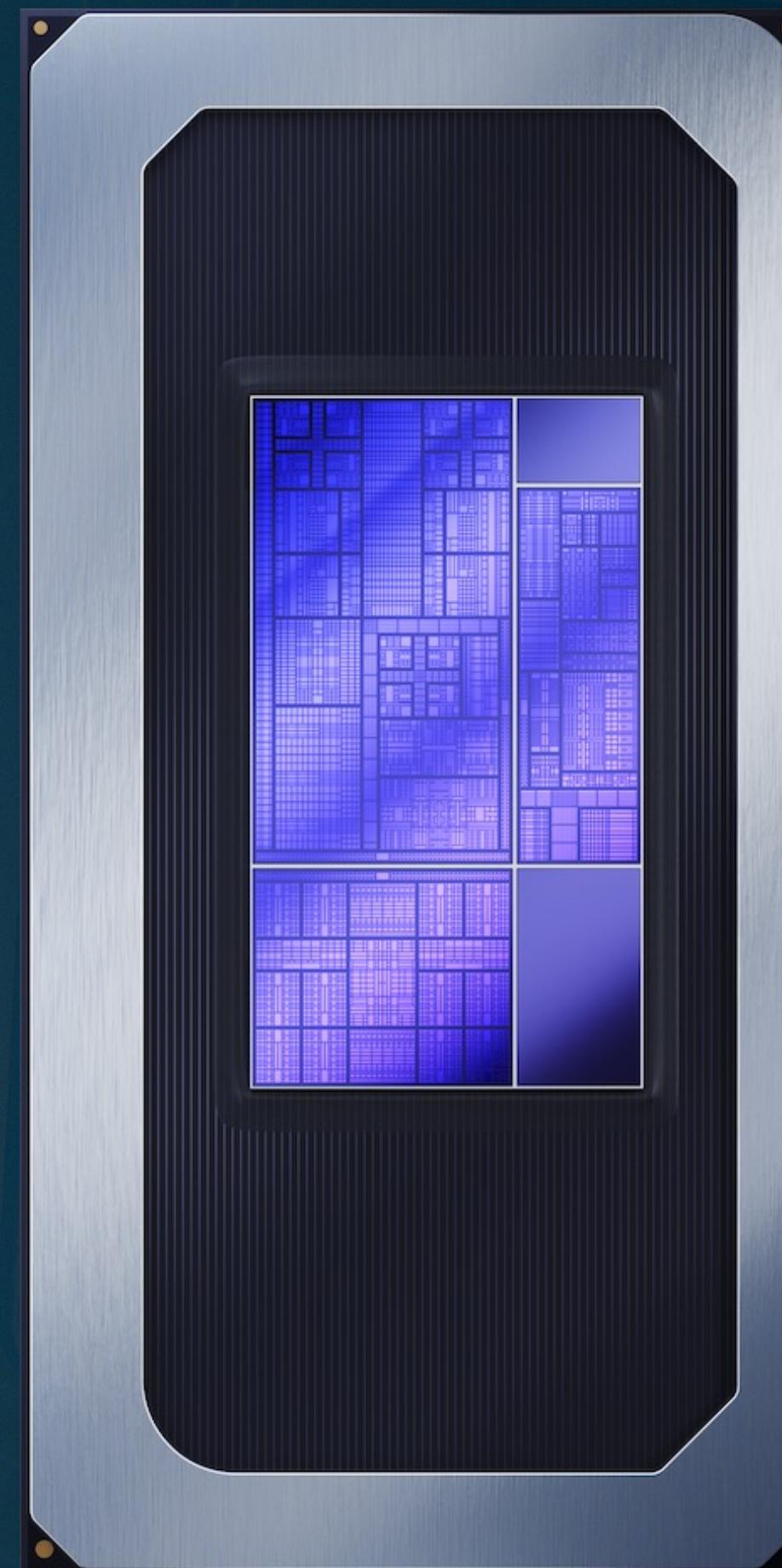
Details at intel.com/performanceindex. Results may vary.



Ultra
at the Edge

Intel® Core™ Ultra Series 3 for Edge

Proven Ideal for Mission-Critical
Edge and Physical AI



Power-efficient
AI and graphics



Deterministic
performance

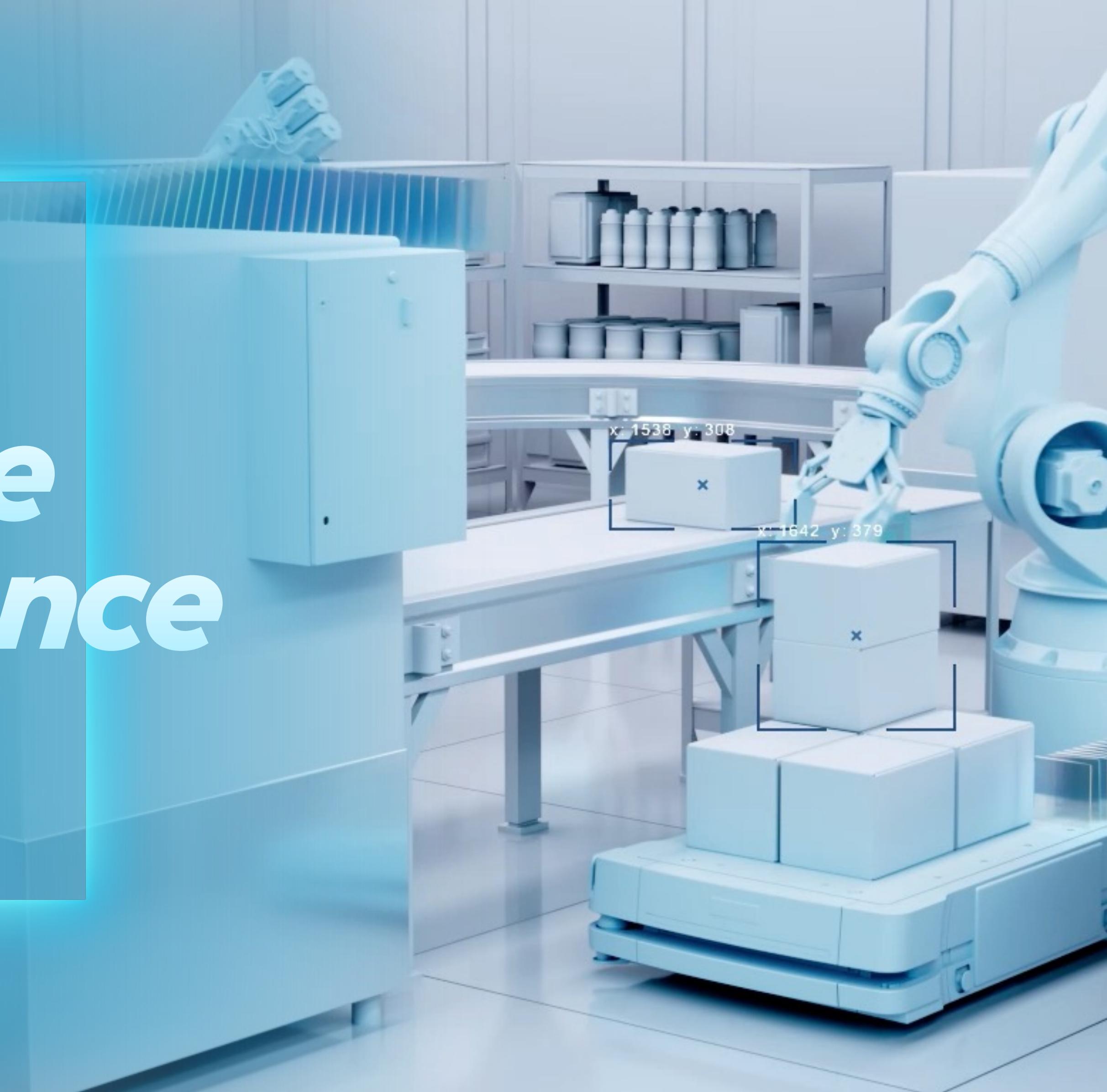


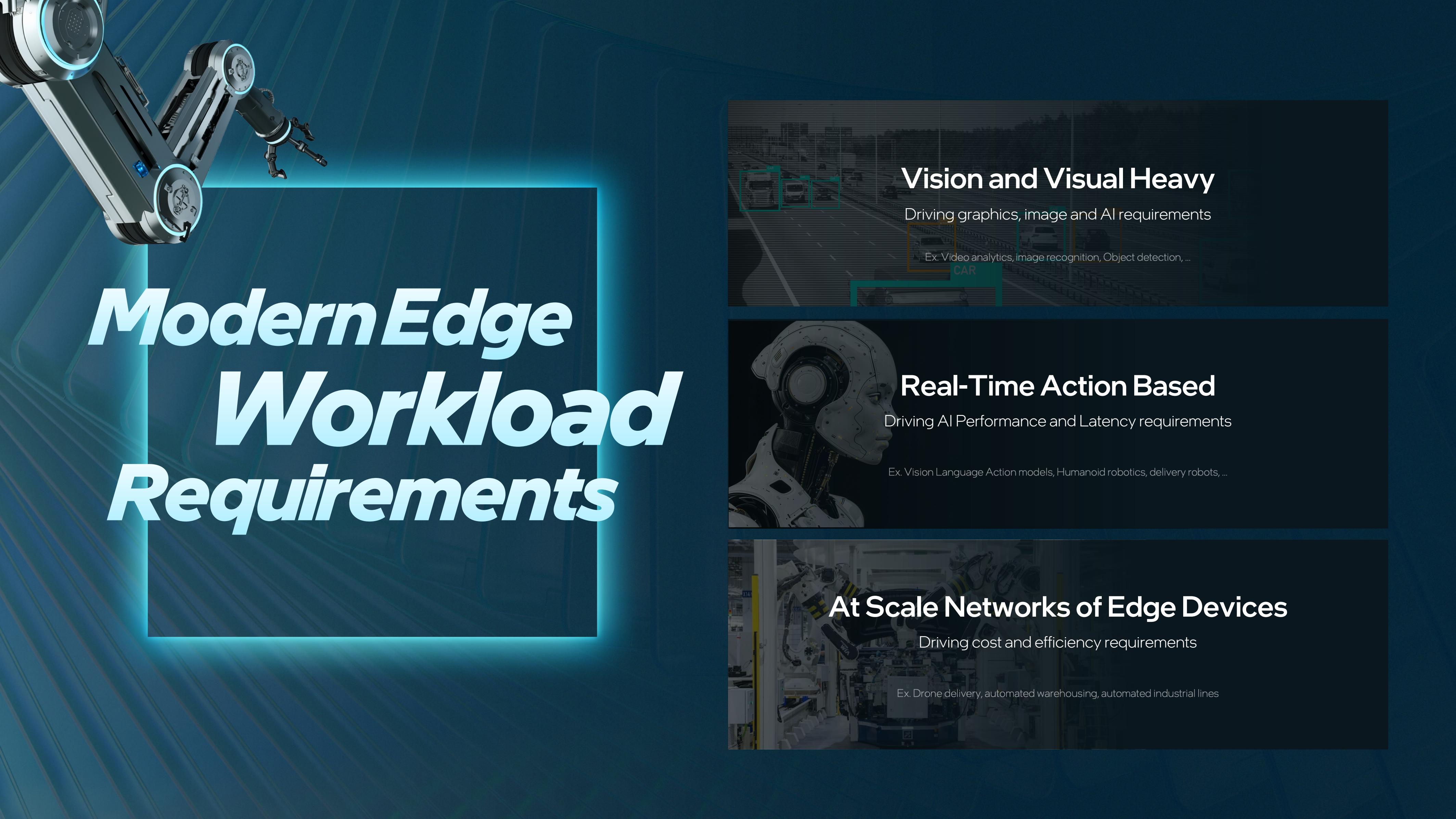
Industrial
durability &
flexibility



Built for
developer agility

Modern Edge Performance





Modern Edge Workload Requirements

Vision and Visual Heavy

Driving graphics, image and AI requirements

Ex. Video analytics, image recognition, Object detection, ...
CAR

Real-Time Action Based

Driving AI Performance and Latency requirements

Ex. Vision Language Action models, Humanoid robotics, delivery robots, ...

At Scale Networks of Edge Devices

Driving cost and efficiency requirements

Ex. Drone delivery, automated warehousing, automated industrial lines

Ultra Performance at the Edge

Intel® Core™ Ultra X9 388H vs.
NVIDIA® Jetson AGX Orin 64GB

Intel® Core™ Ultra X9 388H
NVIDIA® Jetson AGX Orin 64GB



Details at intel.com/performanceindex. Results may vary.

Modern Edge Workload Mastery

Intel® Core™ Ultra X9 388H vs.
Intel® Core™ Ultra 9 285H



Object Detection

YoloV11m | BS=8

Up to
9.6x
Higher Perf

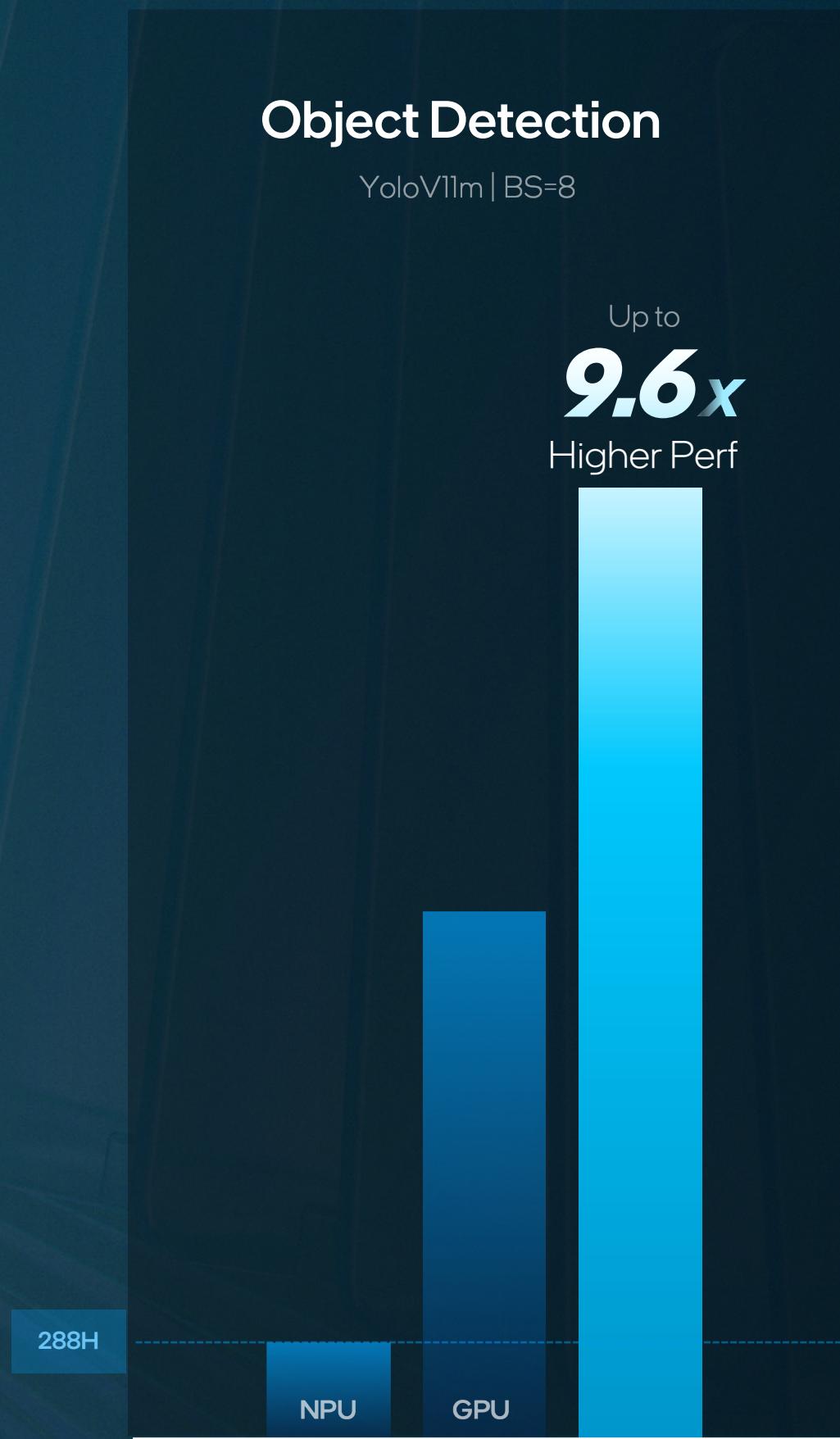
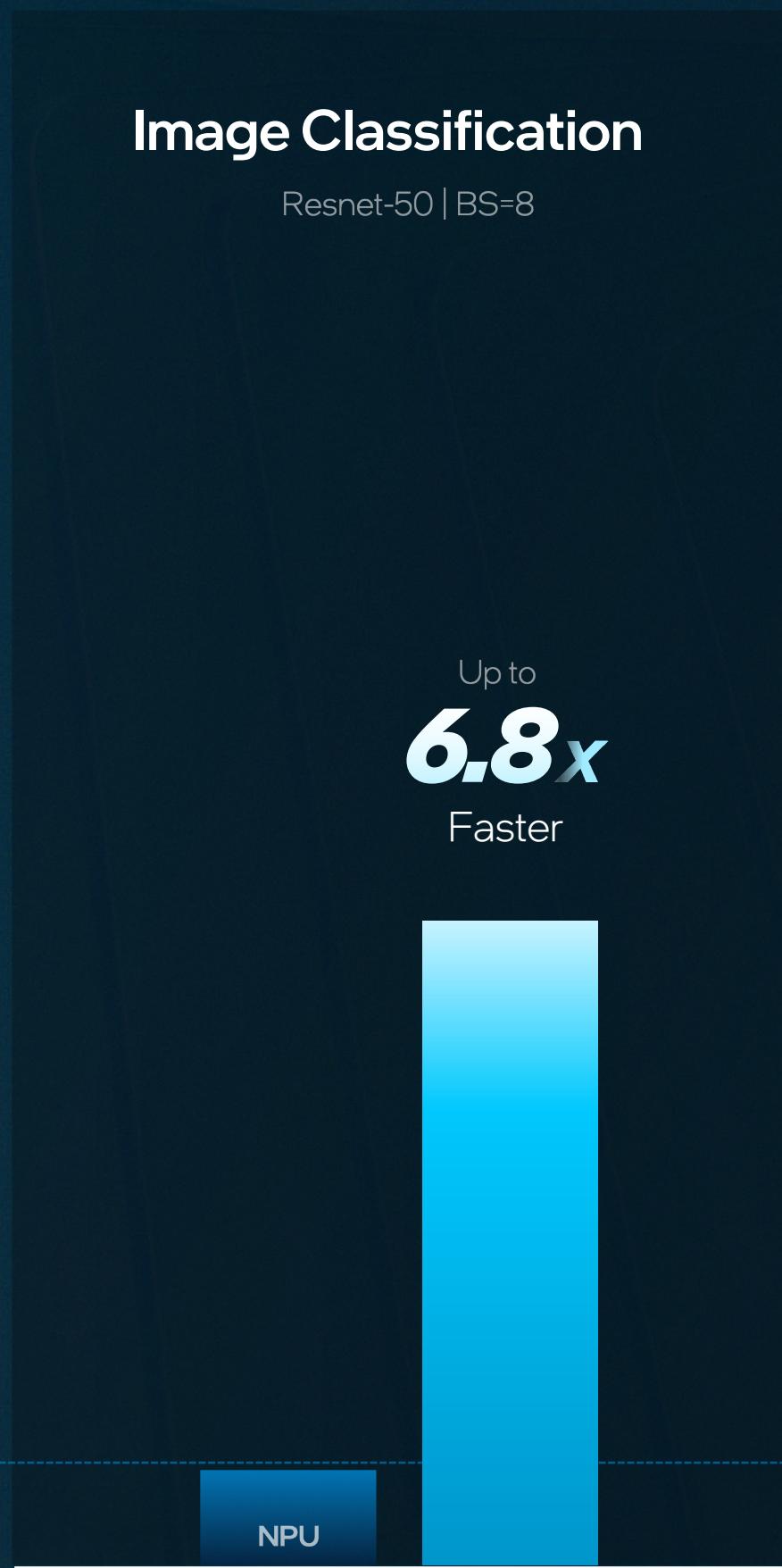


Image Classification

Resnet-50 | BS=8

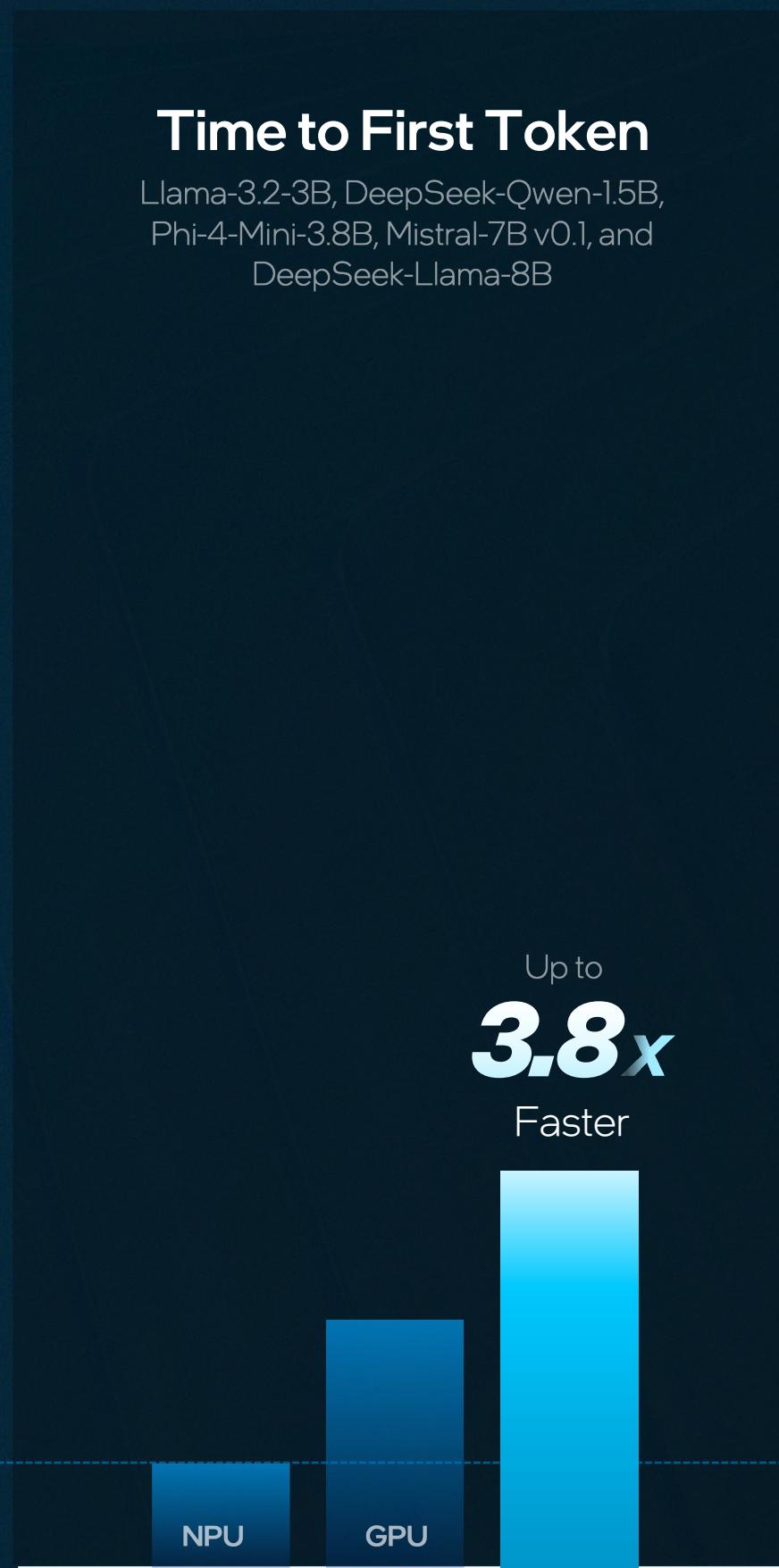
Up to
6.8x
Faster



Time to First Token

Llama-3.2-3B, DeepSeek-Qwen-1.5B, Phi-4-Mini-3.8B, Mistral-7B v0.1, and DeepSeek-Llama-8B

Up to
3.8x
Faster



Relative performance (higher is better)

Details at intel.com/performanceindex. Results may vary.

Modern Edge Workload Mastery

Intel® Core™ Ultra X9 388H vs.
AMD Ryzen AI 9 and Ryzen AI Max+

Object Detection

YoloV11m | BS=8

Up to
4.8x
Higher Perf

AMD Ryzen AI 9

- Intel® Core™ Ultra X9 388H
- AMD Ryzen AI 9 HX370
- AMD Ryzen AI Max+ 395

Image Classification

Resnet-50 | BS=8

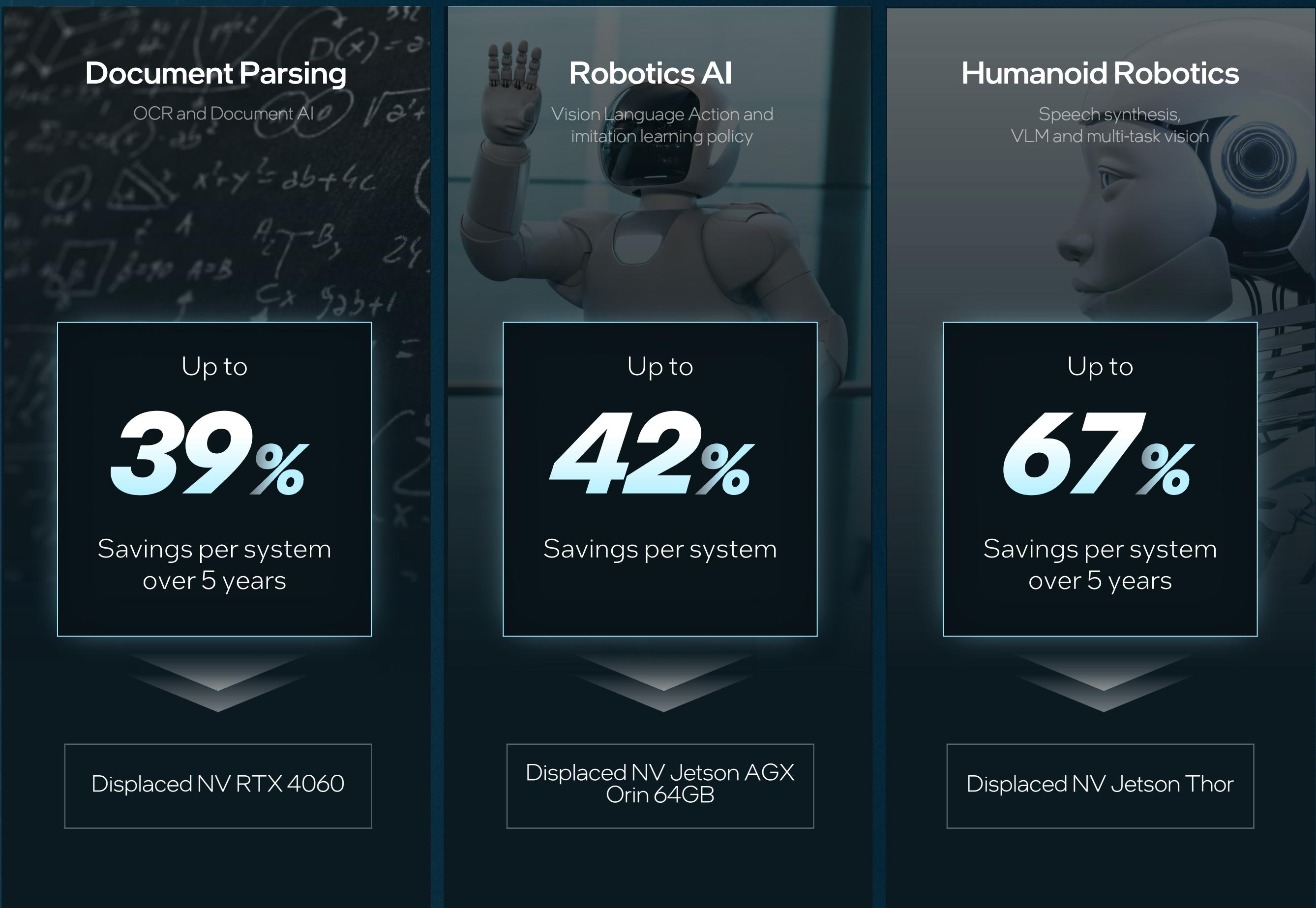
Up to
8.3x
Higher Perf

Relative performance (higher is better)

Details at intel.com/performanceindex. Results may vary.

Proven TCO savings for Edge AI

Intel Core Ultra Series 3 displaces competition across multiple verticals and customers



Details at intel.com/performanceindex. Results may vary.



...achieved nearly 9X faster throughput compared to NVIDIA® Jetson Nano™ ... giving delivery robots the context they need to evaluate higher-stakes decisions, ... enables fast perception with deep reasoning, **making possible, VLM-driven intelligence for last-mile delivery robots**

Davit Buniatyan - CEO



...1.4X lower latency and 2.7X higher power efficiency compared to an NVIDIA RTX 4060 GPU... **enables real-time document parsing and text recognition on compact edge devices**, helping businesses automate workflows

Alex Zhang - Senior Product Manager

Pushing the Edge with Partners



localization runs up to 152X faster on the NPU, heart segmentation up to 25X faster on the CPU, and calcium segmentation nearly 27X faster on the integrated Arc GPU. This near-real-time performance **accelerates clinical decision-making while keeping sensitive cardiac data securely on-device**

Sharon Saban - General Manager



...**substantial improvement in policy throughput** — 4.9× faster on our lighter model, 8.3× faster on our mid-range model, and 8.6× faster on our higher-load model than Jetson AGX Orin...

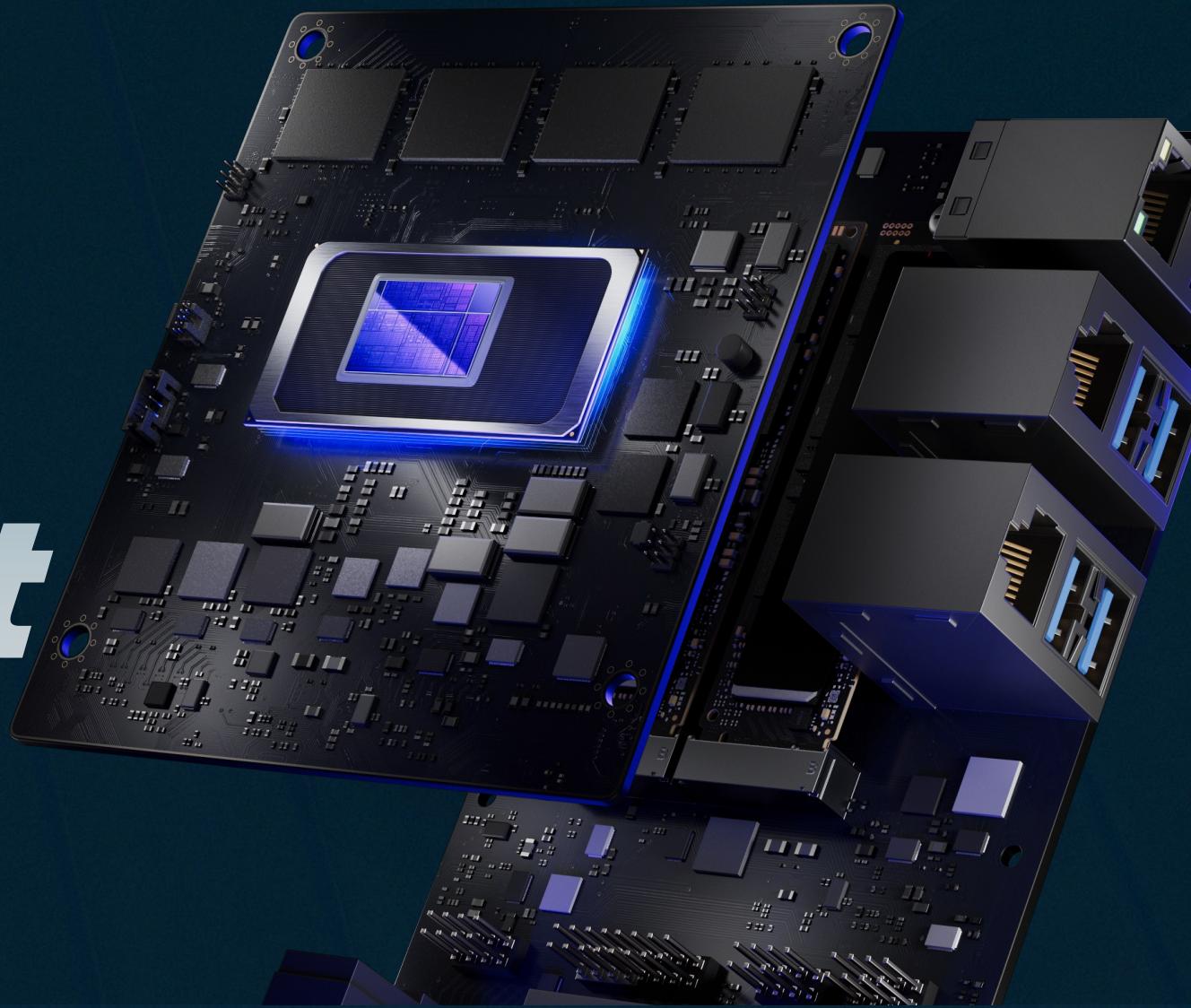
Luke Schmitt - Lead Software Engineer

AI Robotics Software Suite



Reference Board

***Pushing the
Edge
of Enablement***



Appendix

Appendix

Claim	Claim Details/Citation
Up to 15% better perf/watt	Source : Intel internal analysis, 2024. Results may vary.
Up to 30% better chip density	Source : Intel internal analysis, 2024. Results may vary.
Get as much as 27 hours	Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Lenovo IdeaPad reference design; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2.8k; OS: Windows 11 26200.7171; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Balanced"; Lenovo Vantage = Balanced. Battery Size: 99.9Whr
Up to 60% higher CPU performance	<p>Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Intel Core Ultra 9 288V (Lunar Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 8533; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: 32.0.101.6987; NPU Driver: 32.0.100.4239; BIOS: LNLMFW11.R00.3223; Power Plan set to Balanced, Power Mode set to "Best Performance".</p>
Up to 77% faster graphics	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=25W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Intel Core Ultra 9 288V (Lunar Lake) PL1 = 25W; tested in Intel reference platform; Memory: 32GB LPDDR5 8533; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: 32.0.101.8331; NPU Driver: 32.0.100.4239; BIOS: LNLMFW11.R00.3223; Power Plan set to Balanced, Power Mode set to "Best Performance".</p>
Up to 2x faster AI performance	<p>Processor: Intel Core Ultra X7 358H (Panther Lake); tested in MSI Prestige 14; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2.8k; OS: Windows 11 26200.7171; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance"; MSI Center = Performance. Battery Size: 78.6Whr</p> <p>Processor: AMD Ryzen AI 9 365 (Strix Point); tested in ASUS Zenbook S 16; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7171; Graphics Driver: 32.0.22029.1019; NPU Driver: 32.0.203.314; BIOS: UM5606WA.319; Power Plan set to Balanced, Power Mode set to "Best Performance"; MyAsus= Performance. Battery Size: 78Whr</p>
Up to 40% lower power at similar perf	<p>Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Intel Core Ultra 9 288V (Lunar Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 8533; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: 32.0.101.6987; NPU Driver: 32.0.100.4239; BIOS: LNLMFW11.R00.3223; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Intel Core Ultra 9 285H (Arrow Lake); tested in Intel reference platform; Memory: 64GB DDR5 6400; Storage: Samsung PM9A1 512GB; Display Resolution: 1920x1200; OS: Windows 11 26200.6725; Graphics Driver: 32.0.101.8132; NPU Driver: 32.0.100.4404; BIOS: MTLFW11.R00.5385; Power Plan set to Balanced, Power Mode set to "Best Performance".</p>
>60% more performance at similar power	<p>Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Intel Core Ultra 9 288V (Lunar Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 8533; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: 32.0.101.6987; NPU Driver: 32.0.100.4239; BIOS: LNLMFW11.R00.3223; Power Plan set to Balanced, Power Mode set to "Best Performance".</p>

Appendix

Claim	Claim Details/Citation
>60% more performance at similar power	<p>Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Intel Core Ultra 9 288V (Lunar Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 8533; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: 32.0.101.6987; NPU Driver: 32.0.100.4239; BIOS: LNLMFW11.R00.3223; Power Plan set to Balanced, Power Mode set to "Best Performance".</p>
>10% more performance at similar power	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Intel Core Ultra 9 285H (Arrow Lake) PL1=45W; tested in Intel reference platform; Memory: 64GB DDR5 6400; Storage: Samsung PM9A1 512GB; Display Resolution: 1920x1200; OS: Windows 11 26200.6725; Graphics Driver: 32.0.101.8132; NPU Driver: 32.0.100.4404; BIOS: MTLFW11.R00.5385; Power Plan set to Balanced, Power Mode set to "Best Performance".</p>
Thin & powerful productivity performance	As measured by Crossmark: Overall, Procyon: Office Productivity , Speedometer 3.1(Chrome), Procyon: Photo Editing, Procyon: Video Editing, and Blender: GPU Benchmark on the Intel Core Ultra X9 388H (Reference Platform, 45W sustained), Intel Core Ultra 9 285H (reference platform, 45W sustained), Qualcomm 84-100 (Customer Chassis, ~50W sustained, and AMD HX 370 (Customer Chassis, 53W sustained)
Thin & light productivity performance	As measured As measured by Crossmark: Overall, Procyon: Office Productivity , Speedometer 3.1(Chrome), Procyon: Photo Editing, Procyon: Video Editing, and Blender: GPU Benchmark on the Intel Core Ultra X9 388H (Reference Platform, 25W sustained), Intel Core Ultra 9 285H (reference platform, 25W sustained), Intel Core Ultra 7 255H (Reference platform, 25W sustained) and AMD AI 365 (Customer Chassis, 22W sustained)
Up to 2.8x processor power reduction while streaming video with an Intel® Core™ Ultra X9 388H vs. Intel® Core™ 7 150U	<p>Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to ""Balanced"".</p> <p>Processor: Intel Core 7 150U (Raptor Lake Refresh); tested in Intel reference platform; Memory: 32GB LPDDR5 6400; Storage: Samsung PM9A1 512GB; Display Resolution: 1920x1080; OS: Windows 11 26100.2454; Graphics Driver: 32.0.101.6314; NPU Driver: NA; BIOS: RPLFW11.R00.5401; Power Plan set to Balanced, Power Mode set to ""Balanced"".</p>
Up to 57% lower SOC power	<p>Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Balanced".</p> <p>Processor: Intel Core Ultra 7 255H (Arrow Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 8533; Storage: Samsung PM9A1 512GB; Display Resolution: 1920x1200; OS: Windows 11 26200.6725; Graphics Driver: 32.0.101.8132; NPU Driver: 32.0.100.4404; BIOS: MTLFW11.R00.5385; Power Plan set to Balanced, Power Mode set to "Balanced".</p>
Up to 78% lower SOC power	<p>Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Balanced".</p> <p>Processor: AMD Ryzen AI 9 365 (Strix Point); tested in MSI Prestige A16 AI+; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: 32.0.13022.5002; NPU Driver: 32.0.203.280; BIOS: UM5606WA.319; Power Plan set to Balanced, Power Mode set to "Balanced"; MSI Center = Balanced. Battery Size: 80Whr</p>

Appendix

Claim	Claim Details/Citation
The x86 Battery Life King	<p>Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Balanced".</p> <p>Processor: Intel Core Ultra 9 288V (Lunar Lake); tested in Intel reference platform; Memory: 32GB LPDDR5 8533; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: 32.0.101.6987; NPU Driver: 32.0.100.4239; BIOS: LNLMFWII.R00.3223; Power Plan set to Balanced, Power Mode set to "Balanced".</p> <p>Processor: AMD Ryzen AI 9 365 (Strix Point); tested in MSI Prestige A16 AI+; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: 32.0.13022.5002; NPU Driver: 32.0.203.280; BIOS: UM5606WA.319; Power Plan set to Balanced, Power Mode set to "Balanced"; MSI Center = Balanced. Battery Size: 80Whr</p> <p>Processor: AMD Ryzen AI 9 HX 375 (Strix Point); tested in HP EliteBook X G1a; Memory: 32GB LPDDR5 8000; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7171; Graphics Driver: 32.0.22029.1019; NPU Driver: 32.0.203.314; BIOS: X88 v01.03.11; Power Plan set to Balanced, Power Mode set to "Balanced"; HP= Smart Sense. Battery Size: 74.5Whr</p>
27 hours Netflix Streaming	<p>Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Lenovo IdeaPad reference design; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2.8k; OS: Windows 11 26200.7171; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Balanced"; Lenovo Vantage = Balanced. Battery Size: 99.9Whr</p>
17 hours UL Procyon Battery Life: Office Productivity	<p>Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Lenovo IdeaPad reference design; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2.8k; OS: Windows 11 26200.7171; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Balanced"; Lenovo Vantage = Balanced. Battery Size: 99.9Whr</p>
9 hours Microsoft Studio Effects	<p>Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Lenovo IdeaPad reference design; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2.8k; OS: Windows 11 26200.7171; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Balanced"; Lenovo Vantage = Balanced. Battery Size: 99.9Whr</p>
Get as much as 16.5 hours while Netflix streaming with an Intel® Core™ Ultra X7 358H tested in next generation HP EliteBook X	<p>Processor: Intel Core Ultra X7 358H (Panther Lake); tested in HP EliteBook X G2i; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 1TB; Display: 2.8k OLED; OS: Windows 11 26200.7171; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Balanced"; HP = Smart Sense. Battery Size: 68Whr</p>
Get as much as 7.5 hours with Teams 10 Person Video call & Windows Studio Effects with an Intel® Core™ Ultra X7 358H tested in next generation HP EliteBook X	<p>Processor: Intel Core Ultra X7 358H (Panther Lake); tested in HP EliteBook X G2i; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 1TB; Display: 2.8k OLED; OS: Windows 11 26200.7171; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Balanced"; HP = Smart Sense. Battery Size: 68Whr</p>
12.6 hours	<p>As measured by Netflix streaming at 1080p in Edge browser. Individual system results may vary as power and performance are affected by use, configuration and other factors.</p> <p>Processor: AMD Ryzen AI 9 HX 375 (Strix Point); tested in HP EliteBook X G1a; Memory: 32GB LPDDR5 8000; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7171; Graphics Driver: 32.0.22029.1019; NPU Driver: 32.0.203.314; BIOS: X88 v01.03.11; Power Plan set to Balanced, Power Mode set to "Balanced"; HP= Smart Sense. Battery Size: 74.5Whr</p>

Appendix

Claim	Claim Details/Citation
7.3 hours	<p>As measured by Teams 3x3 (10 person) call using Windows Studio Effects. Individual system results may vary as power and performance are affected by use, configuration and other factors. S</p> <p>Processor: AMD Ryzen AI 9 HX 375 (Strix Point); tested in HP EliteBook X G1a; Memory: 32GB LPDDR5 8000; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7171; Graphics Driver: 32.0.22029.1019; NPU Driver: 32.0.203.314; BIOS: X88 v01.03.11; Power Plan set to Balanced, Power Mode set to "Balanced"; HP= Smart Sense. Battery Size: 74.5Whr</p>
17.7 hours	<p>As measured by Netflix streaming at 1080p in Edge browser. Individual system results may vary as power and performance are affected by use, configuration and other factors.</p> <p>Processor: Qualcomm Snapdragon X Elite X1E-78-100; tested in HP EliteBook Ultra G1q; Memory: 16GB LPDDR5 8448; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2240x1400; OS: Windows 11 26200.7171; Graphics Driver: 31.0.121.1; NPU Driver: 30.0.145.1000; BIOS: InsydeF.32; Power Plan set to Balanced, Power Mode set to "Balanced"; Battery Size: 59Whr</p>
6.9 hours	<p>As measured by Teams 3x3 (10 person) call using Windows Studio Effects. Individual system results may vary as power and performance are affected by use, configuration and other factors.</p> <p>Processor: Qualcomm Snapdragon X Elite X1E-78-100; tested in HP EliteBook Ultra G1q; Memory: 16GB LPDDR5 8448; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2240x1400; OS: Windows 11 26200.7171; Graphics Driver: 31.0.121.1; NPU Driver: 30.0.145.1000; BIOS: InsydeF.32; Power Plan set to Balanced, Power Mode set to "Balanced"; Battery Size: 59Whr</p>
Up to 76% better gaming performance vs. Arrow Lake with an Intel® Core™ Ultra X9 388H vs. Intel® Core™ Ultra 9 285H	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Intel Core Ultra 9 285H (Arrow Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 8400; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2560x1800; OS: Windows 11 26200.7462; Graphics Driver: 32.0.101.8331; NPU Driver: 32.0.100.4404; BIOS: MTLFWI1.R00.5385; Power Plan set to Balanced, Power Mode set to "Best Performance".</p>
Up to 77% better gaming performance vs. Lunar Lake with an Intel® Core™ Ultra X9 388H vs. Intel® Core™ Ultra 9 288V	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=25W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Intel Core Ultra 9 288V (Lunar Lake) PL1= 25W; tested in Intel reference platform; Memory: 32GB LPDDR5 8533; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: 32.0.101.8331; NPU Driver: 32.0.100.4239; BIOS: LNLMFWI1.R00.3223; Power Plan set to Balanced, Power Mode set to "Best Performance".</p>
Up to 73% better gaming performance vs. AMD Strix Point with an Intel® Core™ Ultra X9 388H vs. AMD Ryzen™ AI 9 HX 370	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: AMD Ryzen AI 9 HX 370 (Strix Point); tested in ASUS Vivobook S 15; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7462; Graphics Driver: 32.0.21025.15011; NPU Driver: 32.0.203.314; BIOS: M5506WA.314; Power Plan set to Balanced, Power Mode set to "Best Performance"; MyAsus= Performance. Battery Size: 75Whr</p>
82% faster on average vs. AMD HX 370	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: AMD Ryzen AI 9 HX 370 (Strix Point); tested in ASUS Vivobook S 15; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7462; Graphics Driver: 32.0.21025.15011; NPU Driver: 32.0.203.314; BIOS: M5506WA.314; Power Plan set to Balanced, Power Mode set to "Best Performance"; MyAsus= Performance. Battery Size: 75Whr</p>

Appendix

Claim	Claim Details/Citation
2.6x faster on average	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Qualcomm Snapdragon X Elite X1E-84-100; tested in Samsung Galaxy Book4 Edge; Memory: 16GB; Storage: 1 TB; Display Resolution: 3K OLED; OS: Windows 11 26200.7462; Graphics Driver: 31.0.121.1; NPU Driver: 30.0.145.1000; BIOS: P00AKX.061.250718.WY.1; Power Plan set to Balanced, Power Mode set to "Best Performance"; Samsung= High Performance. Battery Size: 60.5Whr</p>
Up to 10% better gaming performance vs. NVIDIA 4050 Laptop with an Intel® Core™ Ultra X9 388H vs. Intel® Core™ Ultra 7 255H with NVIDIA RTX 4050 Laptop	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 96GB LPDDR5 9600; Storage: Samsung 9100 Pro 4TB; Display Resolution: 1920x1080; OS: Windows 11 26200.7462; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Intel Core Ultra 7 255H (Arrow Lake); tested in Dell 14 Premium with Nvidia GeForce RTX 4050; Memory: 32GB LPDDR5 8400; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2k IPS; OS: Windows 11 26200.7171; Graphics Driver(s): dGPU: 32.0.15.8180 (GeForce 581.80) & iGPU: 32.0.101.8250; NPU Driver: 32.0.100.4404; BIOS: v1.4.0; Power Plan set to Balanced, Power Mode set to "Best Performance"; Dell Optimized = Ultra Performance. Battery Size: 68Whr</p>
Leadership Modern Gaming: 4x smoother gaming experience in Cyberpunk 2077 with Ultra Settings and RT On vs. AMD Strix Point with an Intel® Core™ Ultra X9 388H + XeSS 3 MFG vs. AMD Ryzen™ AI 9 HX 370 + FSR FG	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: AMD Ryzen AI 9 HX 370 (Strix Point); tested in ASUS Vivobook S 15; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7462; Graphics Driver: 32.0.22029.9039; NPU Driver: 32.0.203.280; BIOS: M5506WA.314; Power Plan set to Balanced, Power Mode set to "Best Performance"; MyAsus= Performance. Battery Size: 75Whr</p>
Leadership Modern Gaming: 3x smoother gaming experience in Battlefield 6 with Overkill Settings vs. AMD Strix Point with an Intel® Core™ Ultra X9 388H + XeSS 3 MFG vs. AMD Ryzen™ AI 9 HX 370 + FSR FG	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: AMD Ryzen AI 9 HX 370 (Strix Point); tested in ASUS Vivobook S 15; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7462; Graphics Driver: 32.0.22029.9039; NPU Driver: 32.0.203.280; BIOS: M5506WA.314; Power Plan set to Balanced, Power Mode set to "Best Performance"; MyAsus= Performance. Battery Size: 75Whr</p>
Leadership Modern Gaming: 3x smoother gaming experience in Cyberpunk 2077 with Ultra Settings and RT On vs. Nvidia RTX 4050 with an Intel® Core™ Ultra X9 388H + XeSS 3 MFG vs. AMD Ryzen™ AI 9 HX 370 + FSR FG	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Intel Core Ultra 7 255H (ARL-H); tested in Dell 14 Premium DA14250; Memory: 32GB LPDDR5 8400; Storage: Samsung 9100 Pro 1TB; Display Resolution: 1920x1200; OS: Windows 11 26200.7462; Graphics Driver: 32.0.15.9159; NPU Driver: 32.0.100.4297; BIOS: 1.4.0; Power Plan set to Balanced, Power Mode set to "Best Performance"; OEM App Power Setting set to Ultra Performance. Battery Size: 68Whr</p>
Leadership Modern Gaming: 2x smoother gaming experience in Battlefield 6 with Overkill Settings vs. Nvidia RTX 4050 with an Intel® Core™ Ultra X9 388H + XeSS 3 MFG vs. AMD Ryzen™ AI 9 HX 370 + FSR FG	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 4TB; Display Resolution: 2880x1800; OS: Windows 11 26200.7462; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: Intel Core Ultra 7 255H (ARL-H); tested in Dell 14 Premium DA14250; Memory: 32GB LPDDR5 8400; Storage: Samsung 9100 Pro 1TB; Display Resolution: 1920x1200; OS: Windows 11 26200.7462; Graphics Driver: 32.0.15.9159; NPU Driver: 32.0.100.4297; BIOS: 1.4.0; Power Plan set to Balanced, Power Mode set to "Best Performance"; OEM App Power Setting set to Ultra Performance. Battery Size: 68Whr</p>

Appendix

Claim	Claim Details/Citation
AI Super Builder	Learn more here: https://newsroom.intel.com/client-computing/ai-assistant-builder-delivers-free-ai-assistants
350+ ISVs	Intel Analysis as of January 2026
500+ AI Features	Intel Analysis as of January 2026
900+ Models Support	Intel Analysis as of January 2026
Up to 4.3x MLPerf Client 1.5 NPU AI Performance with an Intel® Core™ Ultra X9 388H vs. AMD Ryzen™ AI 9 HX 370	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: AMD Ryzen AI 9 HX 370 (Strix Point); tested in ASUS Vivobook S 15; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1 TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7171; Graphics Driver: 32.0.22029.1019; NPU Driver: 32.0.203.314; BIOS: M5506WA.314; Power Plan set to Balanced, Power Mode set to "Best Performance"; MyAsus= Performance. Battery Size: 75Whr</p>
Up to 1.9x MLPerf Client 1.5 GPU AI Performance with an Intel® Core™ Ultra X9 388H vs. AMD Ryzen™ AI 9 HX 370	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: AMD Ryzen AI 9 HX 370 (Strix Point); tested in ASUS Vivobook S 15; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1 TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7171; Graphics Driver: 32.0.22029.1019; NPU Driver: 32.0.203.314; BIOS: M5506WA.314; Power Plan set to Balanced, Power Mode set to "Best Performance"; MyAsus= Performance. Battery Size: 75Whr</p>
The only PC Processor with 2 Fully Featured AI Engines	As of December 2025 among Windows based PCs.
Geekbench AI 1.6 scores Leadership Performance Across ALL AI Engines	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: AMD Ryzen AI 9 HX 370 (Strix Point); tested in ASUS Vivobook S 15; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1 TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7171; Graphics Driver: 32.0.22029.1019; NPU Driver: 32.0.203.314; BIOS: M5506WA.314; Power Plan set to Balanced, Power Mode set to "Best Performance"; MyAsus= Performance. Battery Size: 75Whr</p> <p>Processor: Qualcomm Snapdragon X Elite X1E-84-100; tested in Samsung Galaxy Book4 Edge; Memory: 16GB; Storage: 1 TB; Display Resolution: 3K OLED; OS: Windows 11 26200.7171; Graphics Driver: 31.0.121.1; NPU Driver: 30.0.145.1000; BIOS: P00AKX.061.250718.WY.1; Power Plan set to Balanced, Power Mode set to "Best Performance"; Samsung= High Performance. Battery Size: 60.5Whr</p>

Appendix

Claim	Claim Details/Citation
AI Super Builder	Learn more here: https://newsroom.intel.com/client-computing/ai-assistant-builder-delivers-free-ai-assistants
350+ ISVs	Intel Analysis as of January 2026
500+ AI Features	Intel Analysis as of January 2026
900+ Models Support	Intel Analysis as of January 2026
Up to 4.3x MLPerf Client 1.5 NPU AI Performance with an Intel® Core™ Ultra X9 388H vs. AMD Ryzen™ AI 9 HX 370	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: AMD Ryzen AI 9 HX 370 (Strix Point); tested in ASUS Vivobook S 15; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1 TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7171; Graphics Driver: 32.0.22029.1019; NPU Driver: 32.0.203.314; BIOS: M5506WA.314; Power Plan set to Balanced, Power Mode set to "Best Performance"; MyAsus= Performance. Battery Size: 75Whr</p>
Up to 1.9x MLPerf Client 1.5 GPU AI Performance with an Intel® Core™ Ultra X9 388H vs. AMD Ryzen™ AI 9 HX 370	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: AMD Ryzen AI 9 HX 370 (Strix Point); tested in ASUS Vivobook S 15; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1 TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7171; Graphics Driver: 32.0.22029.1019; NPU Driver: 32.0.203.314; BIOS: M5506WA.314; Power Plan set to Balanced, Power Mode set to "Best Performance"; MyAsus= Performance. Battery Size: 75Whr</p>
The only PC Processor with 2 Fully Featured AI Engines	As of December 2025 among Windows based PCs.
Leadership Performance Across ALL AI Engines	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: AMD Ryzen AI 9 HX 370 (Strix Point); tested in ASUS Vivobook S 15; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1 TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7171; Graphics Driver: 32.0.22029.1019; NPU Driver: 32.0.203.314; BIOS: M5506WA.314; Power Plan set to Balanced, Power Mode set to "Best Performance"; MyAsus= Performance. Battery Size: 75Whr</p> <p>Processor: Qualcomm Snapdragon X Elite X1E-84-100; tested in Samsung Galaxy Book4 Edge; Memory: 16GB; Storage: 1 TB; Display Resolution: 3K OLED; OS: Windows 11 26200.7171; Graphics Driver: 31.0.121.1; NPU Driver: 30.0.145.1000; BIOS: P00AKX.061.250718.WY.1; Power Plan set to Balanced, Power Mode set to "Best Performance"; Samsung= High Performance. Battery Size: 60.5Whr</p>

Appendix

Claim	Claim Details/Citation
Consistent & Fast LLM Performance	<p>Processor: Intel Core Ultra X9 388H (Panther Lake) PL1=45W; tested in Intel reference platform; Memory: 32GB LPDDR5 9600; Storage: Samsung PM9A1 512GB; Display Resolution: 2880x1800; OS: Windows 11 26200.6725; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance".</p> <p>Processor: AMD Ryzen AI 9 HX 370 (Strix Point); tested in ASUS Vivobook S 15; Memory: 32GB LPDDR5 7500; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2880x1620; OS: Windows 11 26200.7171; Graphics Driver: 32.0.22029.1019; NPU Driver: 32.0.203.314; BIOS: M5506WA.314; Power Plan set to Balanced, Power Mode set to "Best Performance"; MyAsus= Performance. Battery Size: 75Whr</p> <p>Processor: Qualcomm Snapdragon X Elite X1E-84-100; tested in Samsung Galaxy Book4 Edge; Memory: 16GB; Storage: 1 TB; Display Resolution: 3K OLED; OS: Windows 11 26200.7171; Graphics Driver: 31.0.121.1; NPU Driver: 30.0.145.1000; BIOS: P00AKX.061.250718.WY.1; Power Plan set to Balanced, Power Mode set to "Best Performance"; Samsung= High Performance. Battery Size: 60.5Whr</p>
AI Creation runs best on Intel Core	<p>Processor: Intel Core Ultra X9 388H (Panther Lake); tested in Lenovo IdeaPad reference design with sustained PL1=65W; Memory: 32GB LPDDR5 9600; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2.8k; OS: Windows 11 26200.7171; Graphics Driver: Intel Arc Graphics Pre-Production driver; NPU Driver: Pre-Production driver; BIOS: Pre-Production BIOS; Power Plan set to Balanced, Power Mode set to "Best Performance"; Lenovo Vantage = Performance. Battery Size: 99.9Whr</p> <p>Processor: Intel Core Ultra 9 285H (Arrow Lake); tested in Lenovo IdeaPad Pro 5 with sustained PL1=65W; Memory: 32GB LPDDR5 8533; Storage: Samsung 9100 Pro 1TB; Display Resolution: 2.8k; OS: Windows 11 26200.7171; Graphics Driver: 32.0.101.8250; NPU Driver: 32.0.100.4404; BIOS: PZCN49WW; Power Plan set to Balanced, Power Mode set to "Best Performance"; Lenovo Vantage = Performance. Battery Size: 84Whr</p>
Ultra Performance at the Edge	<p>System 1: CPU Model: Intel(R) Core(TM) Ultra X9 388H Host Name: ptl, Time: Mon Nov 17 03:50:58 AM MST 2025, System Name: Intel Corporation Panther Lake Client Platform, Baseboard: Intel Corporation PTL-UP LPS T3 RVP1, Chassis: Intel Corporation Laptop, CPU Model: Intel(R) Core(TM) Ultra X9 388H, Architecture: x86_64, Microarchitecture: —, L3 Cache: 18 MiB, Cores per Socket: 16, Sockets: 1, Hyperthreading: Enabled, CPUs: 16, Intel Turbo Boost: Enabled, Base Frequency: 4.0 GHz, All-Core Maximum Frequency: 5.0 GHz, NUMA Nodes: 1, Prefetchers: 1, PINs: —, Accelerators Available [used]: DLB: 0 [0], DSA: 0 [0], IAA: 0 [0], QAT: 0 [0], vRAN Boost: 0 [0], Installed Memory: 16 GB (2x8 GB LPDDR5 8533 MT/s [7467 MT/s]), Hugepagesize: 2048 kB, Transparent Huge Pages: madvise, Automatic NUMA Balancing: Disabled, NIC: 4x, Disk: 1x3.67 Samsung SSD 990 EVO Plus 4TB, BIOS: PTLFWTI.800.3332.D52.2509404547, Microcode: 0xD0, OS: Ubuntu 24.04.3 LTS, Kernel: 6.17-next, TDP: 45W, Energy Performance Bias: Balanced Performance (6), Scaling Governor: powersave, Driver: intel_pstate, C-States: POLL: Enabled, C1: ACPI Enabled, C2: ACPI Enabled, C3: ACPI Enabled, Efficiency Latency Control: Enabled, Vulnerabilities: 11g OK, Q Vulnerable.</p> <p>System 2: Name: orin, CPU: 12-core Arm Cortex-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3 @ 2.2GHz, GPU: NVIDIA Ampere architecture with 2048 NVIDIA® CUDA® cores and 64 Tensor cores @ 1.3GHz, Memory: 64GB 256-bit LPDDR5 @ 204.8 GB/s, Storage: 64GB eMMC 5.1, Accelerator: 2x NVDLA v2.0, PVA v2.0, Accelerator: APE, NVENC, NVDEC, NVJPG, NVJPG1, VIC, SE, OS: Ubuntu 22.04.5 LTS, Kernel: 5.15.148-tegra, Jetpack: 6.2.1, Deepstream: 7.0, CUDA: 12.6, TensorRT: v100300, Jetson clocks: Default, NVP modes: 0 - MAXN.</p>
Modern Edge Workload Mastery Intel® Core™ Ultra X9 388H vs. Intel® Core™ Ultra 9 285H	See intel.com/performanceindex
Modern Edge Workload Mastery Intel® Core™ Ultra X9 388H vs. AMD Ryzen AI 9 and Ryzen AI Max+	See intel.com/performanceindex

Appendix

Claim	Claim Details/Citation
Proven TCO savings for Edge AI	<p>System 1: NVIDIA Jetson Thor (T5000) Blackwell GPU 128GB Ubuntu 24.04</p> <p>System 2: Nvidia Jetson AGX Orin Ampere GPU 32GB Ubuntu 22.04</p>

The Intel logo is displayed in its classic sans-serif font. The word "intel" is in lowercase, with a small blue square positioned above the letter "i". A registered trademark symbol (®) is located at the bottom right of the "l".