Intel Core Ultra Series 3 Processors Launch at CES 2026

Global Ecosystem Partners Show Support

Jan. 5, 2026 -- At CES 2026, Intel launched Intel® Core™ Ultra Series 3 processors, the first compute platform built on Intel 18A, the most advanced semiconductor process technology ever designed and manufactured in the United States.

With a robust family of mobile processors powering hundreds of designs from leading, global original equipment manufacturers (OEMs) and delivering exceptional performance, graphics and battery life – from the PC, out to the Edge – Series 3 will be the most broadly adopted and globally available AI PC platform Intel has ever delivered.

Supporting Quotes:

Intel Core Ultra Series 3 for PC

"We're excited about the big leap that Series 3 Intel Core Ultra processors are making and what they bring to Acer's latest devices. Thanks to Intel 18A process technology, our latest consumer and gaming portfolio co-engineered with Intel deliver a perfect balance of performance and power efficiency."

Jerry Kao, CCO, Acer Inc.

"Our decades-long partnership with Intel reflects a shared commitment to building a comprehensive ecosystem that ensures technology is always incredible. The Intel Core Ultra Series 3 processor, with its NPU-powered Hybrid AI, is critical to our vision of 'Ubiquitous AI. Incredible Possibilities,' delivering uncompromised performance and a superior, consistent software experience across our entire lineup."

Samson Hu, Co-CEO, ASUS.

"Dell and Intel are advancing computing, and our new XPS portfolio showcases what we can achieve together. Built on Intel's Core Ultra Series 3 processors with Intel Arc graphics featuring 12 Xe cores — Intel's highest performing integrated graphics — we've completely redesigned XPS from the ground up to unlock this performance in our thinnest laptops ever. You no longer have to choose between portability and performance. The result is a new level of performance that stays cooler, quieter and delivers the best battery life in the industry."

Kevin Terwilliger, Head of Product Consumer, Commercial & Gaming, Dell Technologies.

"HP laptops with Intel Core Ultra processors deliver what matters most: incredible battery life with powerful performance to handle intense AI workloads no matter where you are. And, our co-engineering with Intel on the new Elite Book X and Omni Book Ultra helped us achieve better performance and personalization with HP Smart Sense, and design thinner and lighter laptops across the portfolio. Together with Intel, we continue to reimagine the future of work."

Ketan Patel, President of Personal Systems, HP Inc.

"At Lenovo, our vision to bring Smarter AI for All is possible through strong ecosystem partnerships and few are as longstanding and impactful as ours with Intel. With the new Intel Core Ultra Series 3 powering Lenovo's next generation of AI PCs – from Lenovo Legion and ThinkPad, to Yoga, ThinkBook, ThinkCentre and more – we're delivering breakthrough performance, efficiency, and more secure on-device AI to more people than ever. This is how we

democratize AI: by putting powerful, intuitive, and protected AI experiences directly into users' hands."

Luca Rossi, President of Intelligent Devices Group, Lenovo

"Congratulations to the Intel team for the launch of Intel Core Ultra Series!
We are excited to continue to strengthen our partnership with Intel in this AI era.
Powered by Intel Core Ultra Series 3 processors, LG gram delivers exceptional performance with uncompromising power efficiency in an ultra-light design—offering new possibilities and new experiences that advance next-generation personal computing."

Johnny Han, SVP and Head of PC Business Department, LG Electronics.

"Windows has always been an open, flexible platform built on choice. With Intel Core Ultra Series 3, Microsoft and Intel are expanding the breadth of Copilot+ PCs to bring on-device AI experiences to more people. Through our close co-engineering work together, we're delivering AI models optimized for low latency, as well as the performance, battery life, and security to create Windows 11 PCs that people will love."

Pavan Davuluri, President, Windows + Windows Devices, Microsoft.

"I sincerely congratulate Intel on the successful launch of Core Ultra Series 3 processors, an all-new platform poised to redefine what's possible for thin and light laptops. Powered by the latest Core Ultra Series 3 processor, MSI's newly announced Prestige Series not only delivers flagship-level performance, but also achieves multi-day batter life, transforming how professionals work on the go."

Derek Chen, VP of Global Business and Marketing, MSI Notebook Business Unit.

"Galaxy Book6 reflects Samsung and Intel's shared commitment to delivering stronger performance and greater productivity to Galaxy Book users. By combining Intel's next-generation 18A-based platform with Samsung's engineering heritage, we're creating a faster, more responsive Galaxy Book experience that helps users work smarter and stay productive wherever they are."

MC Lee, EVP, Head of Galaxy Ecosystems Business Team, Samsung Electronics.

Intel Core Ultra Series 3 for Software, Edge and Platform Providers

"As Physical AI takes on more complex tasks, vision-language models enable robots not only to see, but to perceive and reason. Pinkbot's previous platform couldn't meet the minimum required perception throughput. Activeloop and Pinkbot achieved 9X faster throughput with Intel Core Ultra Series 3 processor. While perception now runs in near real-time, vision language model (VLM) reasoning operates on a longer horizon giving delivery robots the context they need to evaluate higher-stakes decisions, such as when to cross the street. Series 3 enables fast perception with deep reasoning, making possible, VLM-driven intelligence for last-mile delivery robots."

Davit Buniatyan, CEO, activeloop.

"Our earlier robotics design depended on two separate systems to handle large reasoning models and vision-language tasks. With the Intel Core Ultra Series 3 processors, we're now able to run the entire stack on a single platform with ASRock Industrial iEP-7050E — using the CPU for real-time control and system management, the integrated GPU for reasoning and vision-language, and the NPU for real-time speech processing. Even with the large reasoning model running on integrated graphics, the system delivers nearly 2x the energy efficiency per token and costs about half as much as before. This unified approach simplifies our robotics compute

design and gives us a much more scalable foundation moving forward."

Kenny Chang, Chief Operating Officer, ASRock Industrial.

"The Intel® Core™ Ultra X7 processor 358H with integrated Intel® Arc™ GPU, enhanced by OpenVINO™, delivers impressive AI acceleration for our PP-StructureV3 document parsing model. In our benchmarks, it achieved up to 1.4x lower latency and 2.7x higher power efficiency compared to an NVIDIA RTX 4060 GPU. This efficiency enables real-time document parsing and text recognition on compact edge devices – helping businesses automate workflows and enhance operational productivity across industries."

Alex Zhang, Senior Product Manager, Baidu.

"At Cartken, we are pushing the possibilities of physical AI on the edge and are very interested in maximizing the performance per Watt. This directly translates to more powerful neural networks & algorithms that allow our robots to act smarter. The Intel Series 3 processor shows great promise in this regard, as we saw a 20% absolute performance gain for the integrated AI acceleration running our neural networks vs. our current NVIDIA Orin AGX and even more importantly a boost in performance per watt exceeding 80%."

Jonas Witt, CTO, Cartken.

"In our evaluation against NVIDIA Jetson AGX Orin, the Intel Core Ultra X7 358H delivered 3.7X faster text-to-speech (TTS), 3.9X higher LLM throughput, and 5.4X faster multi-task vision at just 25W. What truly differentiates Series 3 for us is how the CPU, iGPU, and NPU operate together. The CPU gives us the low-latency control loop our actuators and sensors need, the GPU handles our transformer and diffusion inference workloads, and the NPU processes the many real-time streams from our cameras, microphones, and sensors. Instead of operating as isolated engines, they work in concert – much closer to how a human system functions than the more separated architecture we've experienced on Jetson. This harmony directly translates into smoother motion, clearer awareness, and more natural interaction in our humanoids."

Park Jonggun, CEO, Circulus.

"At Nanox.AI, continuous improvement is fundamental to our mission. Enhancing performance isn't just a technical milestone – it's our commitment to delivering faster, more reliable, and more efficient tools that empower clinicians and improve patient care. By leveraging Intel® Core™ Ultra Series 3 processors and distributing our CAC workflow across the CPU, NPU, and integrated Intel Arc GPU, we were able to run the full analysis pipeline directly at the edge and reduce processing time from 77 seconds to roughly 23 seconds. The specialized acceleration of each component—up to 152X faster localization on the NPU, 25X faster heart segmentation on the CPU, and nearly 27X faster calcium segmentation on GPU – enabled near–real-time performance. Intel's advanced architecture allowed us to significantly boost efficiency while maintaining secure, on-device processing."

Sharon Saban, General Manager, Nanox.AI.

"Perplexity has long been a champion for hybrid AI, where our cloud models are paired with local agents. Intel was a natural partner for us to co-engineer and build hybrid solutions with the latest AI compute available on the new Intel Core Ultra series processors."

Aravind Srinivas, Co-founder and CEO, Perplexity.

"When Physical AI runs perception, control, and intelligence simultaneously, time-to-first-token and power efficiency matter more than throughput and that's where Intel wins at the edge. In our real-world benchmarks, Intel delivered nearly 2X faster time-to-first-token while operating at roughly 22 watts versus close to 90 watts on a competitive discrete GPU, enabling

responsive, stable physical AI systems without the cost and complexity of a separate accelerator."

Keith Tan, CEO, Sensory AI.

"In our evaluation, Intel Core Ultra Series 3 made a clear difference in how our robot-control models performed. Our lighter model ran 4.9× faster, our mid-range model ran 8.3× faster, and our more demanding model ran 8.6× faster than on Jetson AGX Orin. What our customers will notice is simple: faster decisions, smoother movement, and a robot that feels more capable in real environments. Panther Lake gives us a stronger foundation to keep improving the experience without increasing complexity or power demands."

Luke Schmitt, Lead Software Engineer, Trossen.

About Intel

Intel (Nasdaq: INTC) is an industry leader, creating world-changing technology that enables global progress and enriches lives. Inspired by Moore's Law, we continuously work to advance the design and manufacturing of semiconductors to help address our customers' greatest challenges. By embedding intelligence in the cloud, network, edge and every kind of computing device, we unleash the potential of data to transform business and society for the better. To learn more about Intel's innovations, go to newsroom.intel.com and intel.com.