



Product Brief

Intel® Core™ Ultra Mobile Processors (Series 2)

Intel® Core™ Ultra mobile processors (Series 2) are high-efficiency processors built to deliver next-gen AI experiences in sleek and slim mobile form factors. They feature the latest generation of P-core, E-core, and low-power E-core architectures, advanced NPU AI engines, and specific SKUs are available with built-in Intel® Graphics or Intel® Arc™ GPUs¹ driven by Xe² architecture for discrete-level graphics performance.



V-SKUs

Next-Gen AI Laptops



HX-SKUs

Enthusiast Consumer and
Commercial Laptops



H-SKUs

Premium Consumer and
Commercial Laptops



U-SKUs

Premium Thin and Light Consumer
and Commercial Laptops

Intel® Core™ Ultra Processors (V-SKUs) Breakthrough x86 Power Efficiency

Four next-gen low-power E-cores optimized for tasks requiring less power, along with new power, thermal, and acoustic features, help create powerhouse thin & light systems.

Next-Gen Core Architecture

Next-Gen P-Cores

Rearchitected for efficient performance, featuring AI-based power management, an enhanced memory subsystem, PPA optimizations, and up to 12 MB of shared L3 cache.

Next-Gen E-Cores

Our most efficient performant architecture, with up to 4 MB shared L2 cache and 2x AI throughput from 4 128-bit FP & SIMD vector.

Power-Saving Technologies

- Intel® Intelligent Display can automatically adjust brightness, refresh rate, and contrast based on what the user is doing or the content on screen.²
- Endurance Gaming Mode automatically adjusts framerates and power consumption to maximize playtime while on battery.
- Intel® Dynamic Tuning Technology uses advanced machine learning algorithms to maximize performance and battery life while minimizing heat and noise. It also allows OEMs to customize and differentiate systems with minimal tuning effort.

Intel® Core™ Ultra Processors (V-SKUs) Exceptional Core Performance

Featuring 4 P-cores and 4 E-cores built with Intel's latest processor architectures.

Next-Gen Core Architecture

4

Next-Gen P-Cores

Up to
5.1 GHz
Max Turbo
Frequency³

Designed for priority tasks and workloads, optimized for power efficiency.

4

Next-Gen E-Cores

Up to
3.7 GHz
Max Turbo
Frequency³

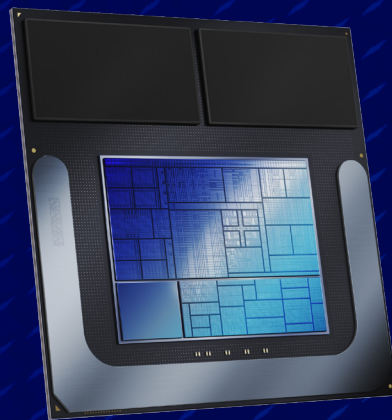
Housed in a dedicated cluster with their own cache, optimized for lower priority tasks requiring less power.

Maximizing Performance, Minimizing Power Use

- **Intel® Turbo Boost Technology 2.0**
Accelerates processor and graphics performance for peak loads.
- **Intel® Adaptive Boost Technology**
Intelligently boosts the processor to run faster than its rated frequency.
- **Intel® Speed Shift Technology**
An energy-efficient method of frequency control by the hardware.
- **Intel® Dynamic Tuning Technology**
Power optimization tools that intelligently adapt power policies.
- **Intel® Deep Learning Boost**
Significantly accelerates inference performance for deep-learning workloads optimized to use VNNI.
- **Intel® Smart Cache Technology**
CPU memory caching method for sharing among P-cores, E-cores, and processor graphics if applicable.

Intel® Core™ Ultra Processors (V-SKUs) Massive Leap in Graphics

Providing discrete-level graphics for thin & light laptops.



- **NEW** Built-in Intel® Arc™ GPU¹ delivers power-efficient DirectX 12 Ultimate performance

8

X^e-cores

64

vector engines

8

MB cache

- The first DirectX 12 Ultimate GPU in the world to leverage LPDDR memory on package
- Intel® XeSS (Xe Super Sampling) and Intel® XMV (Xe Matrix Extensions) AI engines provide AI upscaling and ray tracing performance for graphics far beyond what people expect from thin & light systems

Intel® Core™ Ultra Processors (V-SKUs) Unmatched AI Compute

NEW NPU (Neural Processing Unit)

Up to
2x Bandwidth
compared to previous generation

Up to
48 TOPS⁴

Intel® Core™ Ultra Processors The Foundation of the AI PC

GPU

High Throughput

Ideal for AI-accelerated digital content creation.

+

NPU

Low Power

Ideal for sustained AI workloads and AI offload for battery life.

+

CPU

Fast Response

Ideal for low-latency AI workloads.

- **Leadership AI Engines**
~4x NPU AI throughput and ~3x GPU AI throughput⁵
- **Comprehensive AI**
With more than 300 AI-accelerated ISV features, your customers' favorite AI tools and services run great on Intel® Core™ Ultra processors
- **Intel® XMV**
(Xe Matrix Extensions): 16x compute capabilities for AI inferencing operations when compared to traditional GPU vector units
- **Intel® XeSS**
(Xe Super Sampling): AI image upscaling to improve performance and graphics
- **Intel® Dynamic Tuning Technology**
 - Energy Performance Optimizer: Intelligent, predictive, and efficient system optimization engine for performance and long battery life
 - Intelligent Thermal Management: Maximizes performance with runtime thermal monitoring

Intel® Core™ Ultra Processors (V-SKUs) A Platform for Premium Experiences



Thunderbolt™ 4 Technology

Thunderbolt™ 4 ports and cables support the trifecta of power charging and data transfer with bidirectional movement and video display in one interface. For example, with a Thunderbolt™ technology-enabled laptop, display, and cable, the laptop can pass a video signal to the monitor and the monitor can charge the laptop at the same time.



Thunderbolt™ Share⁶

Offers users an easy, fast, and efficient way to do more with two PCs by sharing screens, keyboard, mouse, storage, and files with the speed of Thunderbolt™ technology.



Intel® Connectivity Performance Suite⁷

Acts as your built-in IT expert by continuously optimizing your Wi-Fi connection and prioritizing your business-critical applications to help enable improved responsiveness, better resolution, and faster speeds.



Intel® Unison™ Software⁸

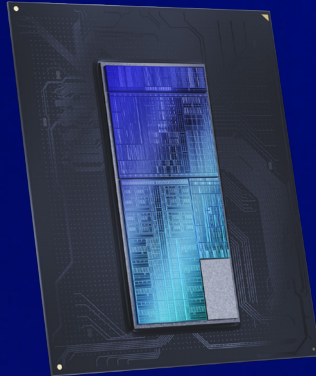
Seamlessly connects PCs and other devices. Now featuring tablet support, it allows users to transfer files and photos, extend the screen, or share keyboard and mouse controls between a PC and tethered tablet or phone.



Integrated Intel® Wi-Fi 7 (5 Gig)⁹ and Bluetooth 5.4 Support

Ensures creators can manage live content and creative files on the go with up to 5.8 Gb/s Wi-Fi speeds.

Intel® Core™ Ultra Processors (HX-SKUs)



Enthusiast Level Performance at Lower Power

Built for uncompromised performance that lasts using up to 8 P-cores and up to 16 E-cores that will free laptop enthusiasts from their power cables. Intel® Core™ Ultra processors (HX-SKUs) give gamers, creators, and professionals enthusiasts level performance for consuming and creating on the go.

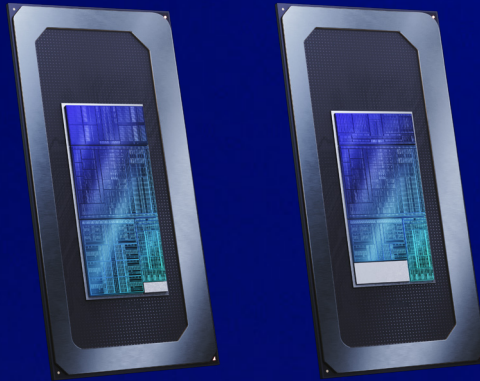
Expanding AI Across the Platform

At the heart of the AI PC lies an NPU for running AI tasks locally. Intel® Core™ Ultra processors (HX-SKUs) feature up to 13 TOPS⁴ of performance. This NPU handles generative AI tools and AI assistants locally so users can continue working with and without outside connections. For larger, more demanding AI tasks, Intel® Core™ Ultra processors (HX-SKUs) can easily scale up to 36 TOPS⁴ by utilizing the built-in CPU, GPU, and NPUs.

Maximized Connectivity

Equipped with the latest in connectivity for maximizing setups, Intel® Core™ Ultra processors (HX-SKUs) can support DDR5 6400¹⁰ up to 192 GB for a responsive experience. Integrated Thunderbolt™ 4 and discrete Thunderbolt™ 5 support opens up the possibilities for Intel® Core™ Ultra processor (HX-SKU) laptops to connect multiple displays and expand storage options. Also, they come with advanced wireless technologies like Wi-Fi 7⁹ and Bluetooth® 5.4 to stay connected without cables.

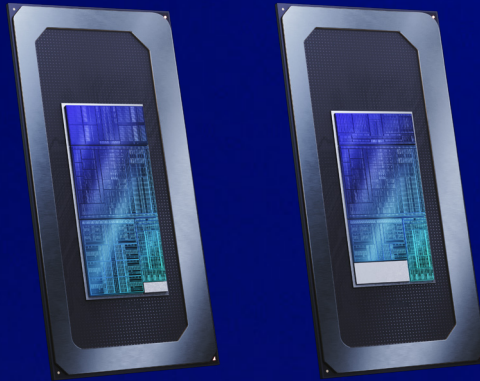
Intel® Core™ Ultra Processors (H & U-SKUs)



Next-Gen Performance and Ready for the AI Era

- For premium and thin & light laptop users, Intel® Core™ Ultra processors (H & U-SKUs) offer 3D performance hybrid architecture with P-cores, E-cores, and low power E-cores. Both processors also feature built-in graphics for more options.
- Intel® Core™ Ultra processors (H-SKUs) have a built-in Intel® Arc™ GPU¹ with up to eight X^e-cores for advanced visual technologies like XMV AI engine support and XeSS upscaling in games.
- Intel® Core™ Ultra processors (U-SKUs) are available with Intel® graphics support with four X^e-cores for stunning visuals while maintaining power efficiency.
- Both processors contain Intel's signature NPU accelerator for handling AI assistants, generative AI, and more.

Intel® Core™ Ultra Processors (H & U-SKUs)



Elevated Performance that Lasts All Day

- Unparalleled efficiency with Intel's power-saving technologies. Intel® Core™ Ultra processors (H & U-SKUs) are ready for working, learning, and gaming all day.
- Intel® Core™ Ultra processors (H-SKUs) feature Endurance Gaming Mode for optimized performance when gaming on battery. They also house Intel® Dynamic Tuning Technology to intelligently tune performance and adapt power draw based on use and temperature.
- Both SKUs offer the new Memory Power Management feature and Power Share 3.0 with other graphics.

Uncompromised Connectivity

Intel® Core™ Ultra processors (H & U-SKUs) are ready to be the center of workflows with plenty of connectivity options. Get up to four 4K displays with HDMI 2.1 and DisplayPort 2.1 as well as Intel® Intelligent Display.² These processors also feature Thunderbolt™ 4 technology for more expansion. Intel® Core™ Ultra processors (H-SKUs) additionally offer discrete Thunderbolt™ 5 support for more bandwidth.

Both processors are also ready to connect wirelessly with Wi-Fi 7⁹ and Bluetooth® 5.4 support.

Intel vPro® Platform Helps Organizations Maximize Value from AI

New commercial devices with Intel® Core™ Ultra processors fuel operational excellence and help organizations achieve better business outcomes.

Only available on specific SKUs.



User Productivity

AI empowers people to achieve new levels of productivity. Visual and audio effects help employees look and sound their best while collaborating remotely, with the top enterprise solutions optimized for Intel® Core™ Ultra processors. Personal assistants and large language models promise to streamline daily workflows, meeting preparation, and project management. Specific Intel® Core™ Ultra mobile processors (Series 2) can power these demanding AI workloads, delivering the responsiveness and lower latency users require. The combined power of the CPU, GPU, and NPU enables higher quality work to be executed faster in the areas of content creation, data visualization, design, research, and similar tasks common to business professionals. Intel® Core™ Ultra processors enable better business outcomes everywhere AI PCs are deployed.



AI for Security, Security for AI

As security threats grow more sophisticated, the need for advanced detection and protection technologies grows as well. Intel® Core™ Ultra processors extend the NPU to third-party security software vendors, enabling applications to become more effective and efficient at detecting and responding to threats. In addition, the Intel vPro® platform provides a more secure computing foundation for AI apps and data with a robust set of security features that PC manufacturers must design into every PC bearing the Intel vPro® badge.



Services-Ready Endpoints

Device management applications rely on endpoint data to make the right configuration, maintenance, and servicing decisions. Intel® Device Discovery provides a method for local and remote applications to obtain greater visibility into endpoints, with a robust data set spanning device profile, history, and capabilities. This includes an inventory of Intel vPro® platform features present and their configuration state. The wealth of data generated by Intel® Device Discovery may be used by applications to generate PC health assessments, determine the security posture of a PC, or learn how to best configure and maintain a device. Greater visibility into endpoints becomes vital as IT operations embrace AI and automation.

Intel® Evo™ Platform

Engineered to do it all.
Only available on specific SKUs.



Intel® Evo™ laptops powered by Intel® Core™ Ultra processors deliver a no-compromise premium mobile experience by verifying that each laptop design meets the premium standards you desire. We are continually adding innovative features that evolve the laptop experience. Intel spent thousands of hours studying the way people use their laptops in real life and then collaborated with leading PC makers to co-engineer, optimize, and verify these laptop designs. To obtain the Intel® Evo™ brand seal of approval, laptop designs must pass rigorous testing around performance, battery life, connectivity, audio & visual quality, size, weight, and more. And to ensure an evolving laptop experience, innovative features are continuously built in and introduced for the first time through Intel® Evo™ laptops. The result is a sleek and stylish premium laptop that delivers cutting-edge innovation and the ideal combination of world-class performance, outstanding graphics, and ultimate mobility with features like fast-charging & long-lasting battery, consistent responsiveness on battery, and instant wake.

Intel® Unison™ software⁸ has an intuitive one-time setup that's fast, easy, and does not require an email or cloud account to set up and use. Intel® Unison™ software⁸ is flexible, letting you connect your choice of PC and phone or tablet (Android or iOS) to do file transfers, photo sharing, text messaging, phone calls, and notifications all from your PC without waking up your phone.

Features at a Glance

Feature	Benefit
3D Performance Hybrid Architecture	Integrates P-cores, E-cores, and low-power E-cores onto a single chip. Low-power E-cores are given a separate cluster with dedicated cache optimized for lower priority tasks at reduced power.
NPU	A neural processing unit is a processor built for handling AI & machine learning tasks. Select Intel® Core™ Ultra processors include a CPU, a GPU, and an NPU.
TOPS ⁴	Trillions of operations per second. Measures the performance of NPUs, much like how GHz measures the performance of CPUs.
Built-in Intel® Arc™ GPU ¹	Select Intel® Core™ Ultra processors include an Intel® Arc™ GPU, ¹ providing discrete-class graphics for mobile form factors.
Intel® Smart Cache	CPU memory caching method for sharing among P-cores, E-cores, and processor graphics if applicable.
Intel® Deep Learning Boost	Significantly accelerates inference performance for deep-learning workloads optimized on the CPU.
Intel® Turbo Boost Technology 2.0	Accelerates processor and graphics performance for peak loads, automatically allowing processor cores to run faster than the rated operating frequency if they're operating below power, current, and temperature specification limits.
Intel® Adaptive Boost Technology	Opportunistically increases all-core turbo frequency when current, power, and thermal headroom exist. Works below a temperature limit of 100°C.
Intel® Speed Shift Technology	An energy-efficient method of frequency control by the hardware rather than relying on OS control.
Intel® Dynamic Tuning Technology	Power optimization tools that intelligently adapt power policies based on usage mode and temperature, with a new policy that determines and directs application resource optimization in real-time.
Intel® XeSS (Xe Super Sampling)	Renders a game at a lower resolution, then upscales the image using AI to a higher resolution with quality similar (or better) to a native render, providing high-quality graphics and stellar performance at the same time.
Intel® Intelligent Display Technology ²	Automatically adjust brightness, refresh rate, and contrast based on what the user is doing or the content on screen. Ex. Turning down brightness when user looks away, or matching screen refresh rate to video FPS.
Intel® XMV AI Engines (Xe Matrix Extensions)	AI engines integrated into the Xe-cores of Intel® Arc™ GPUs. ¹ They enable Intel® Arc™ graphics to accelerate today's increasingly important AI workloads.
Endurance Gaming Mode	Extends playtime on battery by balancing frame rate and power consumption.

Intel® Core™ Ultra Processors (V-SKUs)

Processor Number	Intel® Core™ Ultra 9 processor 288V	Intel® Core™ Ultra 7 processor 268V	Intel® Core™ Ultra 7 processor 266V	Intel® Core™ Ultra 7 processor 258V	Intel® Core™ Ultra 7 processor 256V	Intel® Core™ Ultra 5 processor 238V	Intel® Core™ Ultra 5 processor 236V	Intel® Core™ Ultra 5 processor 228V	Intel® Core™ Ultra 5 processor 226V
Processor Cores (P-cores + LPE-cores) ¹¹	8 (4+4)	8 (4+4)	8 (4+4)	8 (4+4)	8 (4+4)	8 (4+4)	8 (4+4)	8 (4+4)	8 (4+4)
Processor Threads	8	8	8	8	8	8	8	8	8
Intel® Smart Cache (LLC)	12 MB	12 MB	12 MB	12 MB	12 MB	8 MB	8 MB	8 MB	8 MB
P-core Max Turbo Frequency ³	Up to 5.1 GHz	Up to 5.0 GHz	Up to 5.0 GHz	Up to 4.8 GHz	Up to 4.8 GHz	Up to 4.7 GHz	Up to 4.7 GHz	Up to 4.5 GHz	Up to 4.5 GHz
E-core Frequency	Up to 3.7 GHz	Up to 3.7 GHz	Up to 3.7 GHz	Up to 3.7 GHz	Up to 3.7 GHz	Up to 3.5 GHz	Up to 3.5 GHz	Up to 3.5 GHz	Up to 3.5 GHz
Graphics Max Frequency	Up to 2.05 GHz	Up to 2.0 GHz	Up to 2.0 GHz	Up to 1.95 GHz	Up to 1.95 GHz	Up to 1.85 GHz	Up to 1.85 GHz	Up to 1.85 GHz	Up to 1.85 GHz
Processor Graphics	Intel® Arc™ 140V GPU ¹					Intel® Arc™ 130V GPU ¹			
Total PCIe Lanes, Thunderbolt™ Technology, Wi-Fi	4 PCIe Gen 5 Lanes + 4 PCIe Gen 4 Lanes 3 Integrated Thunderbolt™ 4 Ports Integrated Wi-Fi 7 ⁹								
Max Memory Speed ¹⁰	LPDDR5/x-8533 MT/S								
Maximum Memory Capacity/Rank	32 GB/2R	32 GB/2R	16 GB/1R	32 GB/2R	16 GB/1R	32 GB/2R	16 GB/1R	32 GB/2R	16 GB/1R
Processor Base Power	30 W (Minimum: 17 W)	17 W (Minimum: 8 W)							
Maximum Turbo Power	37 W								

Intel® Core™ Ultra Processors (HX-SKUs)

Processor Number	Intel® Core™ Ultra 9 Processor 285HX	Intel® Core™ Ultra 9 Processor 275HX	Intel® Core™ Ultra 7 Processor 265HX	Intel® Core™ Ultra 7 Processor 255HX	Intel® Core™ Ultra 5 Processor 245HX	Intel® Core™ Ultra 5 Processor 235HX
Processor Cores (P-cores + E-cores) ¹¹	24 (8+16)	24 (8+16)	20 (8+12)	20 (8+12)	14 (6+8)	14 (6+8)
Processor Threads	24	24	20	20	14	14
Intel® Smart Cache (LLC)	36 MB	36 MB	30 MB	30 MB	24 MB	24 MB
P-core Max Turbo Frequency ³	Up to 5.5 GHz	Up to 5.4 GHz	Up to 5.3 GHz	Up to 5.2 GHz	Up to 5.1 GHz	Up to 5.1 GHz
E-core Frequency	Up to 2.8 GHz	Up to 2.7 GHz	Up to 2.6 GHz	Up to 2.4 GHz	Up to 3.1 GHz	Up to 2.9 GHz
Graphics Max Frequency	Up to 2.0 GHz	Up to 1.9 GHz	Up to 1.9 GHz	Up to 1.85 GHz	Up to 1.9 GHz	Up to 1.8 GHz
Processor Graphics	Intel® Graphics					
Total PCIe Lanes, Thunderbolt™ Technology, Wi-Fi	4 PCIe Gen 5 + 4 PCIe Gen 4 Lanes 2 Integrated Thunderbolt™ 4 Ports + Discrete Thunderbolt™ 5 Integrated Wi-Fi 6E + Discrete Wi-Fi ⁹					
Max Memory Speed ¹⁰	DDR5 - 6400 LP5x - 8400 LP5/5x CMM2					
Maximum Memory Capacity/Rank	96 GB (DDR5) 64 GB (LP5/x)					
Processor Base Power	55 W					
Maximum Turbo Power	160 W					

Intel® Core™ Ultra Processors (H-SKUs)

Processor Number	Intel® Core™ Ultra 9 Processor 285H	Intel® Core™ Ultra 7 Processor 265H	Intel® Core™ Ultra 7 Processor 255H	Intel® Core™ Ultra 5 Processor 235H	Intel® Core™ Ultra 5 Processor 225H
Processor Cores (P-cores + E-cores + LP E-cores) ¹¹	16 (6+8+2)	16 (6+8+2)	16 (6+8+2)	14 (4+8+2)	14 (4+8+2)
Processor Threads	16	16	16	14	14
Intel® Smart Cache (LLC)	24 MB	24 MB	24 MB	18 MB	18 MB
P-core Max Turbo Frequency ³	Up to 5.4 GHz	Up to 5.3 GHz	Up to 5.1 GHz	Up to 5.0 GHz	Up to 4.9 GHz
P-core Base Frequency	Up to 2.9 GHz	Up to 2.2 GHz	Up to 2.0 GHz	Up to 2.4 GHz	Up to 1.7 GHz
Graphics Max Frequency	Up to 2.35 GHz	Up to 2.3 GHz	Up to 2.25 GHz	Up to 2.25 GHz	Up to 2.2 GHz
Processor Graphics	Intel® Arc™ Graphics				
Total PCIe Lanes, Thunderbolt™ Technology, Wi-Fi	1x8 PCIe Gen 5 + 2x4 PCIe Gen 4 4 Integrated Thunderbolt™ 4 + Discrete Thunderbolt™ 5 Integrated Wi-Fi 6E + Wi-Fi 7 ⁹				
Max Memory Speed ¹⁰	DDR5 - 6400 LP5x - 8400 LP5/5x CAMM2				
Maximum Memory Capacity/Rank	96 GB (DDR5) 64 GB (LP5/x)				
Processor Base Power	45 W	28 W			
Maximum Turbo Power	60 (28W cTDP) 115 (45W cTDP)				

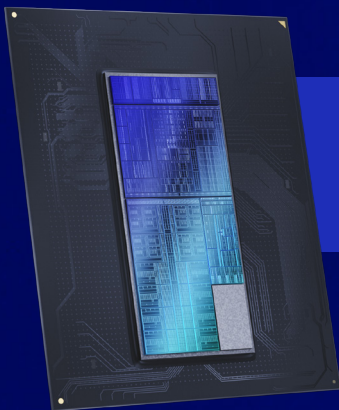
Intel® Core™ Ultra Processors (U-SKUs)

Processor Number	Intel® Core™ Ultra 7 Processor 265U	Intel® Core™ Ultra 7 Processor 255U	Intel® Core™ Ultra 5 Processor 235U	Intel® Core™ Ultra 5 Processor 225U
Processor Cores (P-cores + E-cores + LP E-cores) ¹¹	12 (2+8+2)	12 (2+8+2)	12 (2+8+2)	12 (2+8+2)
Processor Threads	14	14	14	14
Intel® Smart Cache (LLC)	12 MB	12 MB	12 MB	12 MB
P-core Max Turbo Frequency ³	Up to 5.3 GHz	Up to 5.2 GHz	Up to 4.9 GHz	Up to 4.8 GHz
P-core Base Frequency	Up to 2.1 GHz	Up to 2.0 GHz	Up to 2.0 GHz	Up to 1.5 GHz
Graphics Max Frequency	Up to 2.1 GHz	Up to 2.1 GHz	Up to 2.05 GHz	Up to 2.0 GHz
Processor Graphics	Intel® Graphics			
Total PCIe Lanes, Thunderbolt™ Technology, Wi-Fi	2x4 PCIe Gen 4 4 Integrated Thunderbolt™ 4 Integrated Wi-Fi 6E + Wi-Fi 7 ⁹			
Max Memory Speed ¹⁰	DDR5 - 6400 LP5x - 8400 LP5/5x CMM2			
Maximum Memory Capacity/Rank	96 GB (DDR5) 64 GB (LP5/x)			
Processor Base Power	15 W			
Maximum Turbo Power	57 W			



Intel® Core™ Ultra Processor (V-SKUs) Platform





Intel® Core™ Ultra Processor (HX-SKUs) Platform

New Features



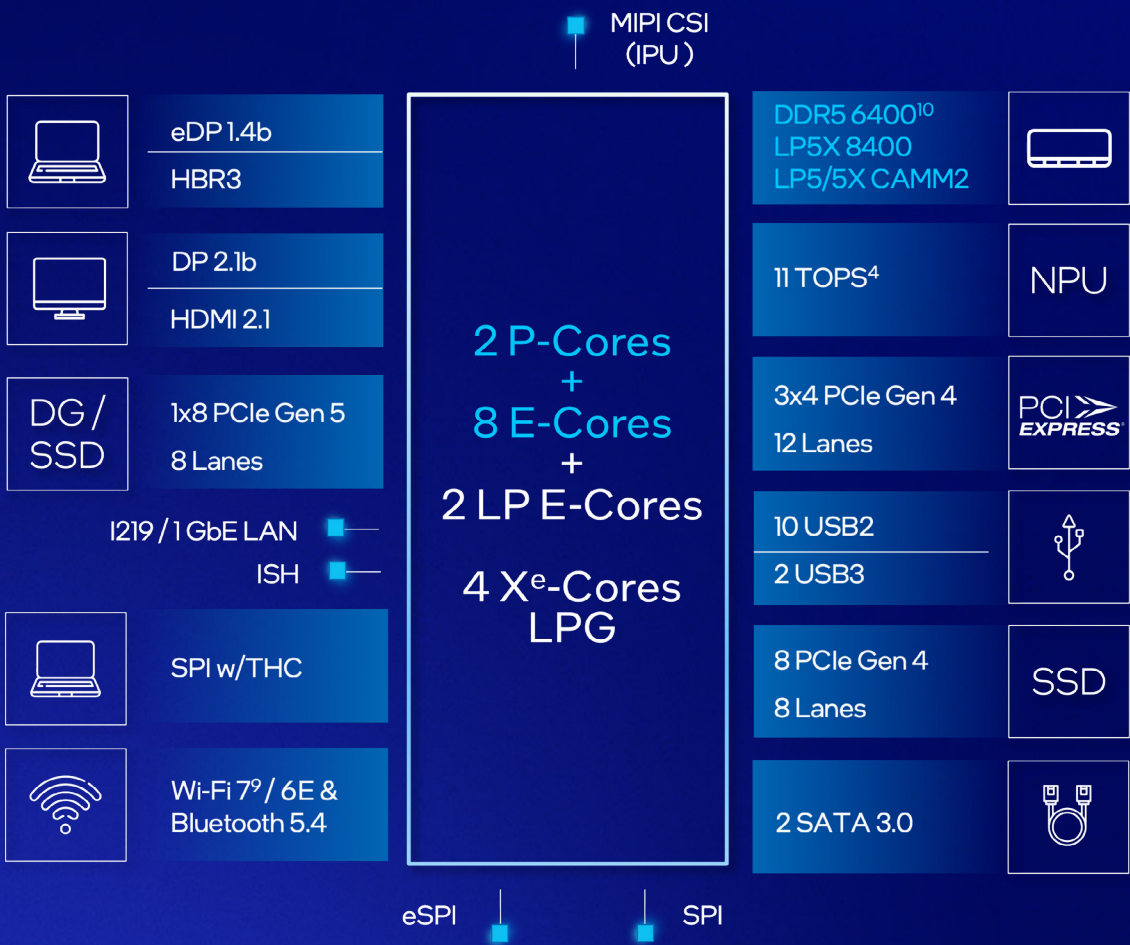


Intel® Core™ Ultra Processor (H-SKUs) Platform





Intel® Core™ Ultra Processor (U-SKUs) Platform



Notices & Disclaimers

1. Intel® Arc™ Graphics: Intel® Arc™ graphics only available on select Intel® Core™ Ultra processor (Series 2) powered systems; minimum processor power required. OEM enablement required. Check with OEM or retailer for system configuration.
 2. Intel® Intelligent Display: Intel® Core™ Ultra processors enable Intel® Intelligent Display capabilities. System requirements must include compatible TCON and display panel. Check with OEM or retailer for system configuration.
 3. Max Turbo Frequency: The frequency of cores and core types varies by workload, power consumption, and other factors. Visit <https://www.intel.com/content/www/us/en/gaming/resources/turbo-boost.html> for more information.
 4. TOPS: All TOPS are “up to” and approximate until final IP frequency defined, different SKUs with different frequency & power targets will have different TOPS.
 5. Leadership AI Engines: vs. MTL U 15W
 6. Thunderbolt™ Share: Thunderbolt™ Share is required to be installed on both PCs. See the release notes via [intel.com](https://www.intel.com) for supported hardware, what is new, bug fixes, and known issues.
 7. Intel® Connectivity Performance Suite: This software only works on specific Intel® Evo™ or Intel vPro® platforms with Intel® Wi-Fi 6/6E (or greater) products.
 8. Intel® Unison™ Software: Intel® Unison™ solution is currently available for Intel® Evo™ designs on Windows-based PCs powered by 13th Gen or newer Intel® Core™ CPU and only pairs with Android- or iOS-based phones and tablets; all devices must run a supported OS version. See [intel.com/performance-evo](https://www.intel.com/performance-evo) for details.
 9. Intel® Wi-Fi 7 (5 Gig): 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/ Access Points/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.
 10. Max Memory Speed: For latest memory configurations and speeds, refer to ark.intel.com.
 11. Core Counts: Processor cores listed first are the total number of cores in the processor. The number of Performance-cores, Efficient-cores, and Low-power E-cores are listed in parentheses (P+E+LPE).
- AI features may require software purchase, subscription, or enablement by a software or platform provider, or may have specific configuration or compatibility requirements. Learn more at [intel.com/aiipc](https://www.intel.com/aiipc). Performance varies by use, configuration, and other details.
- Performance varies by use, configuration, and other factors. Learn more at www.intel.com/PerformanceIndex.
- Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See backup for configuration details. No product or component can be absolutely secure.
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