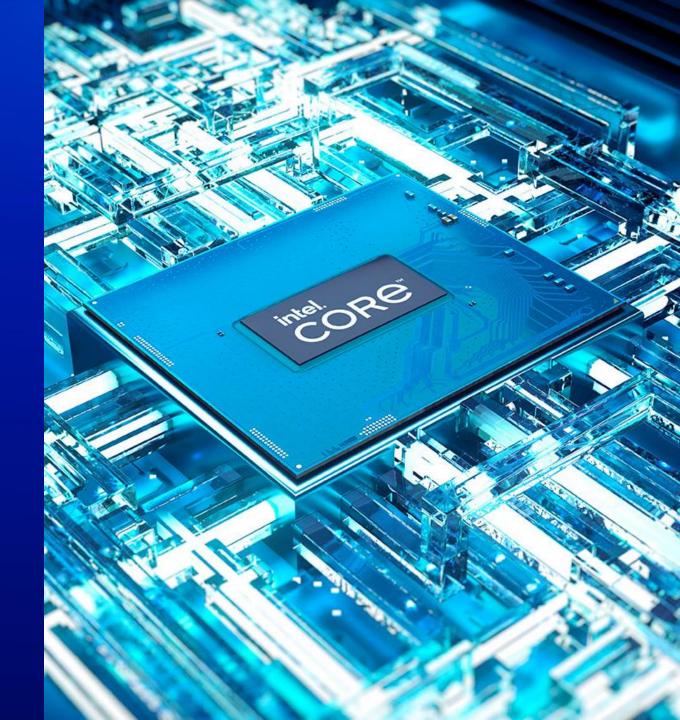




13th Gen Intel[®] Core[™] Mobile Processors



Announcing

13th Gen Intel Core Mobile Processors



intel

Introducing

13th Gen Intel Core HX Platform

The Fastest Mobile Processor¹
First 24-core, up to 5.6 GHz

The Best Gaming Laptop Platform²
Intel Killer™ Wi-Fi 6E, Bluetooth® LE Audio, Thunderbolt™ 4

Built for Enthusiasts and Professionals Gamers, Creators, Scientists and Engineers



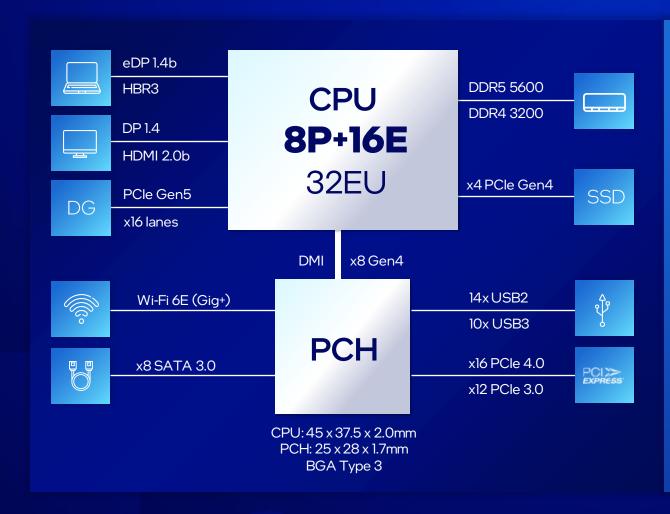
¹At 5.6GHz, 13th Gen Intel Core i9-13980HX is the fastest mobile processor as of December 2022.

² Based on unique features and superior in-game benchmark mode performance of 13th Gen Intel® Core ™ i9-13950HX with NVIDIA RTX 3080 Ti GPU vs 12th Gen Intel® Core ™ i9-12900HX with same GPU and vs AMD R9-6900HX with same GPU. See www.intel.com/PerformanceIndex for additional workload and configuration details. Results may vary. Other names and brands may be claimed as the property of others.



Key Features

13th Gen Intel Core HX Platform



Advanced Performance Hybrid

- Up to 24-core: 8 P-cores + 16 E-cores
- Enhanced Intel® Thread Director
- Broad overclocking support with all HX SKUs unlocked

Broad Memory Support

- Up to DDR5-5600 and DDR4-3200
- Up to 128GB RAM (4 DIMM, 2 DPC)
- Dynamic Overclocking with XMP3.0 support

Leading IO and Connectivity

- Support for PCle Gen5 x16 (or 2x8)
- Up to 2x discrete Thunderbolt™ 4 controllers
- Support for Intel® Killer™ Wi-Fi 6E and BT LE Audio

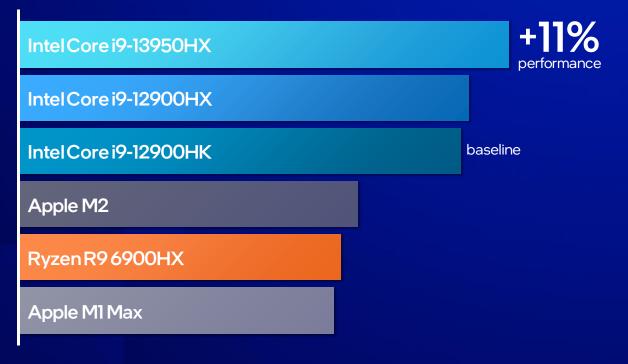


13th Gen Intel® Core™ HX Processors Powerful Mobile Performance



Single Thread Performance

SPECrate®2017_int_base(1 copy)(est)





Multitask Performance

SPECrate®2017_int_base(n copy)(est)



Apple M1 Max

MacBook Pro 16 with 32 core integrated GPU **Apple M2**MacBook Pro 13 with 10 core integrated GPU

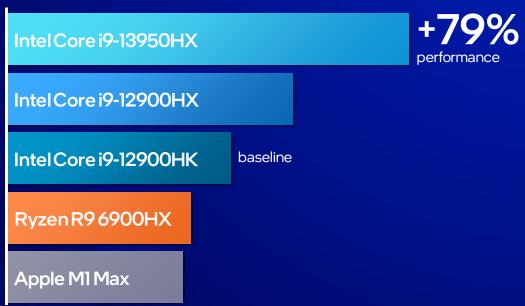
Source: Intel; Measured & Estimated December 2022; comparison of select top end laptops; For more information on SPEC CPU 2017, see https://www.spec.org; Windows binaries generated with Intel Compiler 2022.1; OS X binaries generated with Apple Clang 14.0.0, g fortran 12.1.0 For all workload and configuration details, see www.intel.com/PerformanceIndex. Results may vary.

*Other names and brands may be claimed as the property of others

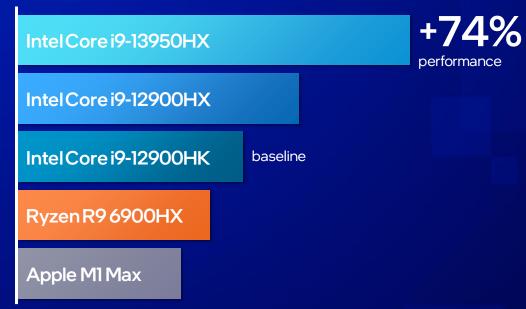


13th Gen Intel® Core™ HX Processors Powerful Mobile Performance











For all workload and configuration details, see www.intel.com/PerformanceIndex. Results may vary. *Other names and brands may be claimed as the property of others

Intel Core i9-13950HX

Reference Platform: MSI Titan GT77 HX with RTX 3080Ti@175W

Intel Core i9-12900HX

MSI GT77 Titan with RTX 3080Ti@175W

Intel Core i9-12900HK

MSI GE76 Raider with RTX 3080Ti@175W

Ryzen 9 6900HX

Dell AlienwareM17 with RTX 3080Ti@155W

Apple M1 Max

MacBook Pro 16 with 32 core integrated GPU

13th Gen Intel® Core™ HX Processors Professional-Grade Performance



Cadalyst – Total Score

R

AUTODESK Revit

Model Creation - Total Time

Intel Core i9-13950HX

+24% IntelCorei

+17%
performance

Intel Core i9-12900HX

Intel Core i9-12900HK

baseline

Ryzen R9 6900HX

Intel Core i9-13950HX

Intel Core i9-12900HX

Intel Core i9-12900HK

baseline

Ryzen R9 6900HX



InvMark - Overall Score

Intel Core i9-13950HX

+12%
performance

Intel Core i9-12900HX

Intel Core i9-12900HK

baseline

Ryzen R9 6900HX

Intel Core i9-13950HX

Reference Platform: MSI Titan GT77 HX with RTX 3080Ti @175W

Intel Core i9-12900HX

MSI GT77 Titan with RTX 3080Ti@175W

Intel Core i9-12900HK

MSI GE76 Raider with RTX 3080Ti @175W

Ryzen 9 6900HX

Dell AlienwareM17 with RTX 3080Ti@155W

For workload and configuration details, see www.intel.com/PerformanceIndex. Results may vary. *Other names and brands may be claimed as the property of others



13th Gen Intel® Core™ HX Processors **Built for Creators**

Puget Bench for Premiere Pro

Ryzen R9 6900HX





Puget Bench for Photoshop







Puget Bench for After Effects





+15%

baseline

+6% IntelCore i9-13950HX performance Intel Core i9-12900HX IntelCore i9-12900HK baseline

IntelCore i9-13950HX

Intel Core i9-12900HX

Intel Core i9-12900HK

Ryzen R9 6900HX

+12% performance

baseline

Intel Core i9-12900HK

Intel Core i9-13950HX

Intel Core i9-12900HX

Ryzen R9 6900HX

Intel Core i9-13950HX

Reference Platform: MSI Titan GT77 HX with RTX 3080Ti@175W

Intel Core i9-12900HX

MSI GT77 Titan with RTX 3080Ti@175W

Intel Core i9-12900HK

MSI GE76 Raider with RTX 3080Ti@175W

Ryzen 9 6900HX

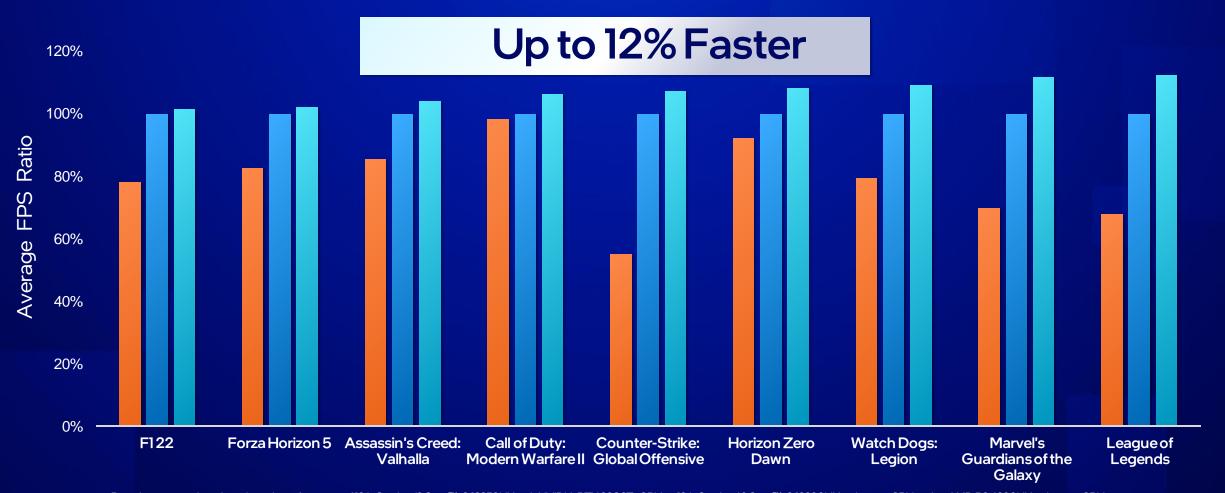
Dell AlienwareM17 with RTX 3080Ti@155W



13th Gen Intel® Core™ HX Processors Amazing Game Performance

Intel Core i9-13950HX
Reference Platform: MSI Titan GT77 HX with RTX 3080Ti @175W
Intel Core i9-12900HX
MSI GT77 Titan with RTX 3080Ti @175W

Ryzen 9 6900HX
Dell Alienware*M17* with RTX 3080Ti @155W



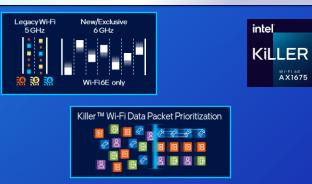
Based on in-game benchmark mode performance of 13th Gen Intel® Core™ i9-13950HX with NVIDIA RTX 3080Ti GPU vs 12th Gen Intel® Core™ i9-12900HX with same GPU and vs AMD R9-6900HX with same GPU. See www.intel.com/PerformanceIndex for additional workload and configuration details. Results may vary. Other names and brands may be claimed as the property of others



13th Gen Intel® Core™ HX Processors

Leading Wireless Connectivity for Enthusiasts

Intel® Killer™ Wi-Fi 6E (Gig+)





Great Wi-Fi Gaming

6 GHz Speed / Low Latency

Game Traffic Prioritization

Dynamic Connection Optimization

Intel® Double Connect Technology







Enhanced Wi-Fi Performance & VR

Enhanced Prioritization

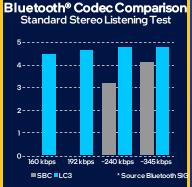
Band Aggregation ~3 Gbps¹

Up to 20% Lower VR Latency²

Intel® Bluetooth® LE Audio







Next-Gen Bluetooth® Audio

Synchronized Multi-stream TWS

High Fidelity Music / SWB speech

Up to 50% Lower Bit-Rate / Power³



13th Gen Intel® Core™ HX Processors Breakthrough Design Scale





For Gaming Laptops and Mobile Workstations 13th Gen Intel Core TM HX Processors

	Processor Number	Processor Cores	Processor Threads	Performance Cores	Efficient Cores	L3 Cache	Max Turbo Frequency P-cores	Max Turbo Frequency E-cores	Base Frequency P-cores	Base Frequency E-cores	Processor Graphics	Max Graphics Frequency	DDR5 Frequency	Processor Base Power	Max Turbo Power	Intel vPro® eligible
intel.	i9-13980HX	24C	32T	8P	16E	36 MB	5.6 GHz	4.0 GHz	2.2 GHz	1.6 GHz	32 EU	1.65 GHz	5600	55 W	157 W	
core	i9-13950HX	24C	32T	8P	16E	36 MB	5.5 GHz	4.0 GHz	2.2 GHz	1.6 GHz	32 EU	1.65 GHz	5600	55 W	157 W	Enterprise
i9	i9-13900HX	24C	32T	8P	16E	36 MB	5.4 GHz	3.9 GHz	2.2 GHz	1.6 GHz	32 EU	1.65 GHz	5600	55 W	157 W	
intel	i7-13850HX	20C	28T	8P	12E	30 MB	5.3 GHz	3.8 GHz	2.1GHz	1.5 GHz	32 EU	1.60 GHz	5600	55 W	157 W	Enterprise
core	i7-13700HX	16C	24T	8P	8E	30 MB	5.0 GHz	3.7 GHz	2.1GHz	1.5 GHz	32 EU	1.55 GHz	4800	55 W	157 W	
i7	i7-13650HX	14C	20T	6P	8E	24 MB	4.9 GHz	3.6 GHz	2.6 GHz	1.9 GHz	16 EU	1.55 GHz	4800	55 W	157 W	
intel. CORE	i5-13600HX	14C	20T	6P	8E	24 MB	4.8 GHz	3.6 GHz	2.6 GHz	1.9 GHz	32 EU	1.50 GHz	4800	55 W	157 W	Enterprise
	i5-13500HX	14C	20T	6P	8E	24 MB	4.7 GHz	3.5 GHz	2.5 GHz	1.8 GHz	16 EU	1.50 GHz	4800	55 W	157 W	
	i5-13450HX	10C	16T	6P	4E	20 MB	4.6 GHz	3.4 GHz	2.4 GHz	1.8 GHz	16 EU	1.45 GHz	4800	55 W	157 W	

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. Intel vPro eligible systems will be available at the launch of Intel vPro
The frequency of cores and core types varies by workload, power consumption and other factors.

Visit Intel ARK for more information.

All SKUs shown support CPU, GPU, and memory overclocking. Max Turbo Frequency for P-cores may include Intel Turbo Boost Max 3.0 and Thermal Velocity Boost. See ark intel.com for more specification details



13th Gen Intel® Core™ HX Processors

Powerful Multitasking for Creative Professionals

Game Development





Unreal Engine + MetaHuman + RealityCapture







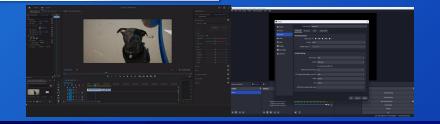
Intel Core i9-13950HX



Intel Core i9-12900HX



8K Streaming









<1% Core i9 13950HX

~10% Corei9

12900HX

Percentage of Skipped Frames (lower is better)

AEC Engineering







Autodesk Inventor + ReCap





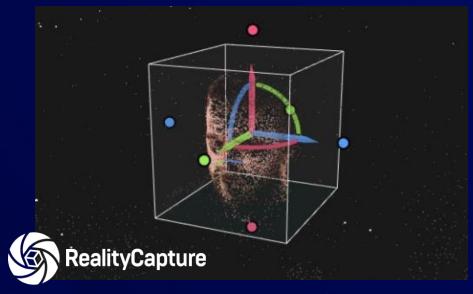




13th Gen Intel® Core™ HX Processors Game Development Workflow

Game Development Multitasking

RealityCapture + Unreal Engine 5 + MetaHuman



Foreground Task(s)

Prepare images for custom character based on a real person in RealityCapture for use in MetaHuman Creator. Here the workload involves the CPU heavy "Align Images" operation in RealityCapture.



Background Task

Import a real person's customized Metahuman file into the Unreal Engine project



13th Gen Intel® Core™ HX Processors 8K Streaming Workflow

Create | Stream | Record

Adobe Premiere Pro + OBS (streaming to YouTube)



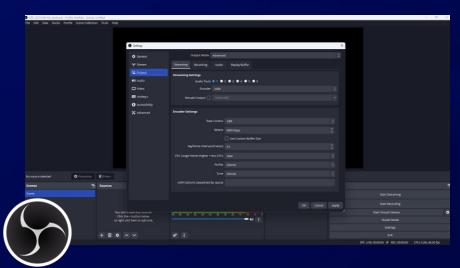
Foreground Task(s)

Creative Streamer showcasing 8K video playback and editing experience. Premiere Pro takes advantage of hardware accelerated HEVC 422 decoding for smooth playback, along with WinML to quickly Auto Reframe content to different aspect ratios for posting to different social media channels such as Instagram, YouTube, or TikTok.

< 1%Intel Core i9-13950HX

~**10**% Intel Core i9-12900HX

Percentage of Skipped Frames (lower is better)



Background Task

OBS allows the user to stream AND record content simultaneously. The Streamer utilizes the CPU x264 "Slower" preset, providing a high-quality stream and recording in the background.



13th Gen Intel® Core™ HX Processors

AEC: Engineering Design Workflow

Product Design Modern Multitasking

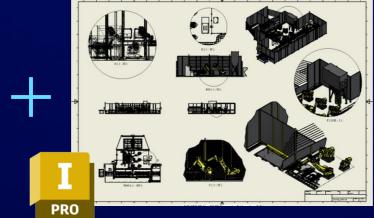
Autodesk Inventor + Autodesk Recap

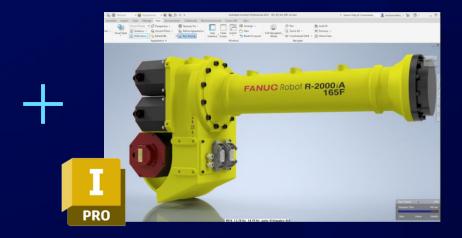
Intel Core i9-13950HX

Intel Core i9-12900HX

Baseline







ForegroundTask(s)

Update 2D schematics for the fabricator and index a point cloud to complete on-site placement planning.

Background Task

Use Inventor to create a high-resolution image of a current design for marketing materials with ray-tracing



Announcing

13th Gen Intel Core Mobile Processors



intel

Introducing

13th Gen Intel Core Mobile Processors

H-series, P-series, and U-series

Advanced Hybrid Performance
Up to 10% faster office productivity¹

Best-in-Class Connectivity
Intel Wi-Fi 6E, Bluetooth® LE Audio, Thunderbolt™ 4

Powering the Newest, Fastest Laptops Coming to over 250 designs in 2023

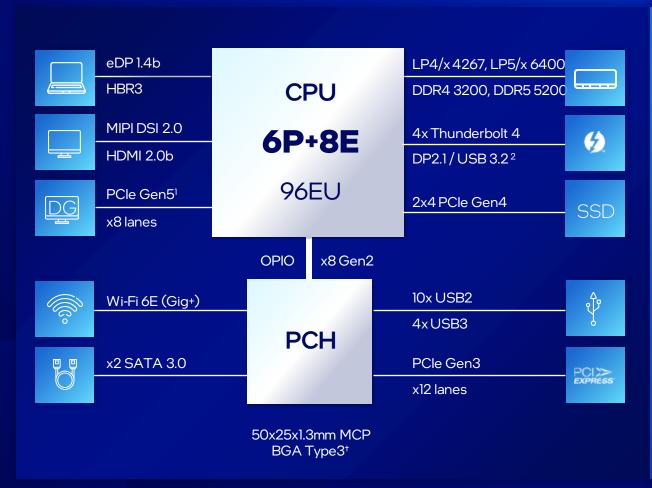


¹ As measured by Cross Mark overall score on 13th Gen Intel® Core ™ i9 13900HK vs. 12th Gen Intel® Core ™ i9-12900H based on measurements as of December 2022. See www.intel.com/PerformanceIndex for additional workload and configuration details. Results may vary. See www.intel.com/PerformanceIndex (connectivity) for details.



Key Features

13th Gen Intel Core Mobile Platforms (H, P and U-Series)



Advanced Performance Hybrid

- Up to 14-cores: 6 P-cores + 8 E-cores
- Enhanced Intel Thread Director

Leading IO and Connectivity

- Up to 4xThunderbolt™ 4⁺ with DP2.1 and USB3.2
- Integrated Intel[®] Wi-Fi 6E (Gig+), BT LE Audio

Broad Memory Support

- Support for DDR5-5200[†] and DDR4-3200[†]
- Support for LPDDR5/x-6400 and LPDDR4x-4267⁺

¹PCIe Gen 5 on H SKUs Only. ² Requires Hayden Bridge Re-Timer

† Certain SKUs available in optional type 4 form factor optimized package of 40x25x1.25mm, with up to 3xThunderbolt™ 4, PCIe Gen4 and only LPDDR5/LPDDR5x memory support.



13th Gen Intel® Core™ H Processors CrossMark Performance



Productivity

Creativity



Intel Core i9-13900HK

Intel Core i9-12900H

baseline

Ryzen R9 6900HX

Apple M1 Max

Intel Core i9-13900HK

Intel Core i9-12900H

Apple M1 Max

Ryzen R9 6900HX

H10%
performance

baseline

Intel Core i9-13900HK

Intel Core i9-12900H

Ryzen R9 6900HX

Apple M1 Max



For all workload and configuration details, see www.intel.com/PerformanceIndex. Results may vary. *Other names and brands may be claimed as the property of others

Intel Core i9-13900HK MSI Stealth 17*"with RTX 3080Ti@105W

Intel Core i9-12900H MSI Stealth GS77* with RTX* 3080Ti@105W

Ryzen 9 6900HX

Dell Alienware* M17 with RTX*3080Ti@155W



MacBook Pro 16"* with 32 core integrated GPU

13th Gen Intel® Core™ Processors New Intel Iris Xe Graphics Features







Endurance Gaming

Play up to 4.5hrs unplugged on games like LOL & Rocket League with Endurance Gaming

XeSS Super Sampling

XeSS brings up to 30% FPS vs. native rendering on enabled titles like Hitman 3 & Shadows of the Tomb Raider Intel® Arc™ Control

Tune your graphics performance, stream with a built-in studio, & more with Intel Arc Control



13th Gen Intel® Core™ Processors

Best in Class Wired Connectivity with Thunderbolt™ 4

One cable powers your laptop and connects to displays, storage, and accessories

Thunderbolt – The Best USB-C Connection

Simple, Reliable, High Performance



Dual 4K 60Hz or dual 240 Full HD

New Now supporting DP2.1 Immerse in lifelike visuals



Fast data transfer thru PCIe based SSDs

New Now supporting USB3.2 at 20Gb/s
Move and store big files quickly





Capture up to 240Hz in Full HD
Share/stream high quality reels



High-end desktop GPU thru PCIe
Level up the experience



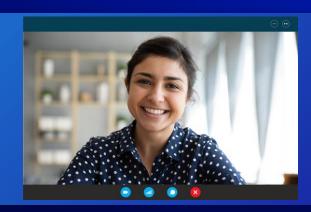
Consolidate all accessories with a dock

Clean desk with one cable



13th Gen Intel® Core™ Processors Intel® Movidius™ VPU for Laptops

Discrete Module for Al Acceleration



Premium Video Collaboration

High Quality Background Blur + Eye Contact + Automatic Framing

Professional grade collaboration & streaming

Powered by advanced Windows Al models



Uncompromised Al

CPU/GPU offload

Discrete VPU module

Future IP Integration



Seamless Integration

Consistent Windows video effects

Turn on/off in Windows Settings

Available to all apps that use the integrated camera

Shipping as discrete option with select 13th Gen Intel Core-based laptops for developers and early adopters



For Enthusiast Laptops

13th Gen Intel® Core™ H-series Processors

	Processor Number	Processor Cores	Processor Threads	Performance Cores	Efficient Cores	L3 Cache	Max Turbo Frequency P- cores	Max Turbo Frequency E- cores	Base Frequency P- cores	Base Frequency E-cores	Processor Graphics	Max Graphics Frequency	LPDDR5 Frequency	Processor Base Power	Max Turbo Power	Intel vPro®
intel.	i9-13900HK	14C	20T	6P	8E	24MB	5.4 GHz	4.1 GHz	2.6 GHz	1.9 GHz	96EU	1.5 GHz	6400	45W	115W	Essentials
CORE	i9-13905H [†]	14C	20T	6P	8E	24MB	5.4 GHz	4.1 GHz	2.6 GHz	1.9 GHz	96EU	1.5 GHz	6400	45W	115W	
i9	i9-13900H	14C	20T	6P	8E	24MB	5.4 GHz	4.1 GHz	2.6 GHz	1.9 GHz	96EU	1.5 GHz	6400	45W	115W	Enterprise
	i7-13800H	14C	20T	6P	8E	24MB	5.2 GHz	4.0 GHz	2.5 GHz	1.8 GHz	96EU	1.5 GHz	6400	45W	115W	Enterprise
intel	i7-13705H†	14C	20T	6P	8E	24MB	5.0 GHz	3.7 GHz	2.4 GHz	1.8 GHz	96EU	1.5 GHz	6400	45W	115W	
i7	i7-13700H	14C	20T	6P	8E	24MB	5.0 GHz	3.7 GHz	2.4 GHz	1.8 GHz	96EU	1.5 GHz	6400	45W	115W	Essentials
	i7-13620H	10C	16T	6P	4E	24MB	4.9 GHz	3.6 GHz	2.4 GHz	1.8 GHz	64EU	1.5 GHz	5200	45W	115W	
	i5-13600H	12C	16T	4P	8E	18MB	4.8 GHz	3.6 GHz	2.8 GHz	2.1 GHz	80EU	1.5 GHz	6400	45W	95W	Enterprise
intel	i5-13505H [†]	12C	16T	4P	8E	18MB	4.7 GHz	3.5 GHz	2.6 GHz	1.9 GHz	80EU	1.45 GHz	6400	45W	95W	
i5	i5-13500H	12C	16T	4P	8E	18MB	4.7 GHz	3.5 GHz	2.6 GHz	1.9 GHz	80EU	1.45 GHz	6400	45W	95W	Essentials
	i5-13420H	8C	12T	4P	4E	12MB	4.6 GHz	3.4 GHz	2.1 GHz	1.5 GHz	48EU	1.4 GHz	5200	45W	95W	-

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

The frequency of cores and core types varies by workload, power consumption and other factors. Visit <a href="https://www.intel.com/content/www/us/en/architecture-and-technology/turbo-boost/intel-turbo-boost/in



For Performance Thin & Light Laptops 13th Gen Intel Core TM P-series Processors

	Processor Number	Processor Cores	Processor Threads	Performance Cores	Efficient Cores	L3 Cache	Max Turbo Frequency P-cores	Max Turbo Frequency E-cores	Base Frequency P-cores	Base Frequency E-cores	Processor Graphics	Max Graphics Frequency	Processor Base Power	Max Turbo Power	Intel vPro® eligible
intel.	i7-1370P	14C	20T	6P	8E	24MB	5.2GHz	3.9 GHz	1.9 GHz	1.4 GHz	96EU	1.5 GHz	28W	64W	Enterprise
CORE	i7-1360P	12C	16T	4P	8E	18MB	5.0 GHz	3.7 GHz	2.2 GHz	1.6 GHz	96EU	1.5 GHz	28W	64W	Essentials
intel.	i5-1350P	12C	16T	4P	8E	12MB	4.7 GHz	3.5 GHz	1.9 GHz	1.4 GHz	80EU	1.5 GHz	28W	64W	Enterprise
i5	i5-1340P	12C	16T	4P	8E	12MB	4.6 GHz	3.4 GHz	1.9 GHz	1.4 GHz	80EU	1.45 GHz	28W	64W	Essentials

Intel® processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. Intel vPro eligible systems will be available at the launch of Intel vPro. The frequency of cores and core types varies by workload, power consumption and other factors.

Visit Intel ARK for more information.

Intel Thermal Velocity Boost not supported on 13th Gen mobile processors.

Max Turbo Frequency for P-cores may include Intel Turbo Boost Max 3.0.

All SKUs support up to DDR5 (5200 MT/S)/DDR4 (3200 MT/S)/LPDDR5 (6400 MT/S)/LPDDR4 (4267 MT/S) memory

See ark.intel.com for more specification details



For Modern Thin & Light Laptops 13th Gen Intel Core TM U-series Processors

	Processor Number	Processor Cores	Processor Threads	Performance Cores	Efficient Cores	L3 Cache	Max Turbo Frequency P-cores	Max Turbo Frequency E-cores	Base Frequency P-cores	Base Frequency E-cores	Processor Graphics	Max Graphics Frequency	LPDDR5 Frequency	Processor Base Power	Max Turbo Power	Intel vPro® eligible
intel CORE	i7-1365U	10C	12T	2P	8E	12MB	5.2GHz	3.9 GHz	1.8 GHz	1.3 GHz	96EU	1.30 GHz	6400	15W	55W	Enterprise
i7	i7-1355U	10C	12T	2P	8E	12MB	5.0 GHz	3.7 GHz	1.7 GHz	1.2 GHz	96EU	1.30 GHz	6400	15W	55W	Essentials
intel.	i5-1345U	10C	12T	2P	8E	12MB	4.7 GHz	3.5 GHz	1.6 GHz	1.2 GHz	80EU	1.25 GHz	6400	15W	55W	Enterprise
core	i5-1335U	10C	12T	2P	8E	12MB	4.6 GHz	3.4 GHz	1.3 GHz	0.9 GHz	80EU	1.25 GHz	6400	15W	55W	Essentials
i5	i5-1334U	10C	12T	2P	8E	12MB	4.6 GHz	3.4 GHz	1.3 GHz	0.9 GHz	80EU	1.25 GHz	5200	15W	55W	Essentials
intel.	i3-1315U	6C	8T	2P	4E	10MB	4.5 GHz	3.3 GHz	1.2 GHz	0.9 GHz	64EU	1.25 GHz	5200	15W	55W	
i3	i3-1305U	5C	6T	1P	4E	10MB	4.5 GHz	3.3 GHz	1.6 GHz	1.2 GHz	64EU	1.25 GHz	5200	15W	55W	
Intel® Processor	U300	5C	6T	1P	4E	8MB	4.4 GHz	3.3 GHz	1.2 GHz	0.9 GHz	48EU	1.10 GHz	5200	15W	55W	-

Intel® processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. Intel vPro eligible systems will be available at the launch of Intel vPro. The frequency of cores and core types varies by workload, power consumption and other factors.

Visit Intel ARK for more information.

Intel Thermal Velocity Boost not supported on 13th Gen mobile processors. All SKUs support up to DDR5 (5200 MT/S)/DDR4 (3200 MT/S)/LPDDR4 (4267 MT/S) memory (LPDDR5 frequencies are listed above) See ark intel.com for more specification details



Intel CES 2023 CCG Press & Industry Analyst Pre-Brief



Intel® Evo





Intel® EvoTM

Driving innovations for future PC experiences



>100

Evo Designs supporting our mission

150+

Partners aligned to Evo vision

>15 OEMs in the program 25

verification tasks and checks for each design

3

Open Labs

to test and validate components

900+

components

tested in Intel Project Athena Open Labs

Annual Ecosystem Symposium

Drive innovations for future PC experiences

intel

Intel Evo Designs with 13th Gen Intel Core









Multi-Device

- Intel Unison software
- Sharing between Laptop & Phone (iOS/Android)

Gathering with Others

Intelligent Collaboration

No-Compromise Mobile Performance

- Consistent Responsiveness while unplugged
- Long Real-World Battery Life
- Instant Wake
- Fast Charge



Intel® Evo™

Project Athena Specification Target Highlights 13th Gen Intel® Core™ Processors with Intel® Iris® X® Graphics Based Laptops

Co-engineered Designs Verified to Deliver

Instant Action

- ✓ Wake in an instant with Adaptive Connected Standby /Lucid Sleep
- ✓ Biometric login: fingerprint sensor, face recognition or Bluetooth phone proximity

Incredible Performance and Responsiveness

- ✓ 13th Gen Intel® Core™ i5, i7, i9 processors with Iris® Xe graphics
- ✓ Optional Intel® Arc™ or 3rd Party Discrete Graphics
- ✓ Optimized with Windows 11 or Chrome OS
- ✓ Intel® Adaptix[™] Technology with Intel Energy Performance Optimizer
- ✓ ≥8GB, 128b Dual Channel Memory and ≥256GB PCle SSD

Intelligence Built Across Platform Levels

- ✓ Al-assisted Dynamic Background Noise Suppréssion
- ✓ Intel® DI Boost + Intel® GNA 3.0 enabled
- ✓ Optional discrete VPU
- ✓ Optional adaptive usages including Wake-on-Approach, Gaze-Based Dimming and Walk-Away Lock enabled by context sensors such as Intel Visual Sensing Technology



Battery Life For The Real World

- ✓ Fast charging capabilities over USB Type C
- ✓ Integration and optimization of low-power components and co-engineering support for power efficiency

Lightning-Fast Connectivity

- ✓ Fast and persistent connection with Intel® Wi-Fi 6E (Gia+)*
- ✓ Intel® Connectivity Performance Suite 2.0 for intelligent Wi-Fi connection management**
- ✓ Universal cable connectivity over USB Type C with Thunderbolt M 4
- ✓ Optional Intel® Gb LTE or 5G

Innovative and Engaging Form Factor

- ✓ >12"-16.x" > FHD bright displays, backlit keyboards, precision touchpads and more Optional: QHD/UHD, OI FD
- ✓ <15mm target for integrated graphics, <20mm for dGfx fanned/fanless designs,
- ✓ Sleek, thin-and-light, 2-in-1 and Foldable Display chassis designs with narrow bezels for a more immersive experience
- ✓ Immersive audio with premium high-fidelity audio codec/speaker and microphone tuning
- ✓ User-facing camera ≥ FHD 1080p @ 30 fps (optional camera collaboration imaging effects)



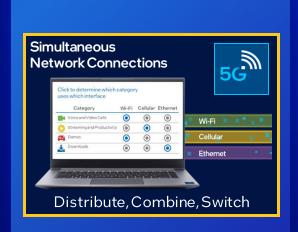
Leading Wireless Connectivity for Thin & Light

Intel® Wi-Fi 6E (Gig+) & Intel® Connectivity Performance Suite

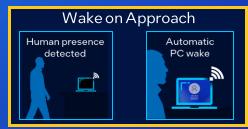
Intel® 5G Solution 5000 & (ICPS)
Advanced Connection Manager

Intel Wi-Fi Proximity Sensing Intel® Bluetooth® LE Audio













Great Wi-Fi Experiences

6 GHz Speed / Low Latency

Wi-Fi Traffic Prioritization

Dynamic Connection Optimization

Enhanced Laptop Connectivity

Prioritize Applications

Max Download Aggregation

Automatic Interface Switching

Improved Security & Convenience

Windows 11 support

Lower Cost, Existing Wi-Fi

Privacy & Omnidirectional

Next-Gen Bluetooth® Audio

Synchronized Multi-stream TWS

High Fidelity Music / SWB speech

Up to 50% Lower Bit-Rate / Power¹



Learn more at intel.com/performance-wireless.

Intel® Connectivity Performance Suite

New Advanced Connection Manager

Use all your PC's networking technologies simultaneously for great connected experiences

Distribute application traffic across multiple network interfaces

Click to determine which category uses which interface

 Category
 Wi-Fi
 Cellular Ethernet

 Voice and Video Calls
 ●
 ●

 Streaming and Productivity
 ●
 ●

 Games
 ●
 ●

 Downloads
 ●
 ●



Combine all connections for max download speeds

Switch automatically to the best technology quickly & with minimal application impact

Ethernet

Wi-Fi



Wi-Fi

Cellular

Ethernet

Look for the new Advanced Connection Manager

On select Intel® Evo™ laptops configured with the Intel® Connectivity Performance Suite.

Discover more at www.intel.com/wireless



Intel® Evo[™] and Intelligent Collaboration

Connect. Be Seen. Be heard with Confidence















Beginning to Scale Intel® Unison™ on Intel Evo

Enabling the Open Ecosystem with Android & iOS

Phone Calls



Messages





File & Photo Sharing



Notifications





Intel® Unison™ solution is currently only available on eligible Intel® Evo™ designs on Windows-based PCs powered by 12th Gen or newer Intel Core and only pairs with Android- or iOS-based phones; all devices must run a supported OS version. See intel.com/performance-evo for details, including set-up requirements. Results may vary.

Engineered for Evo

Accessories verified

Engineered for

intel

Great Experiences

High quality audio, video, expansion, & connectivity



Seamless Connectivity

Plug and play with fast connection times



Reliability

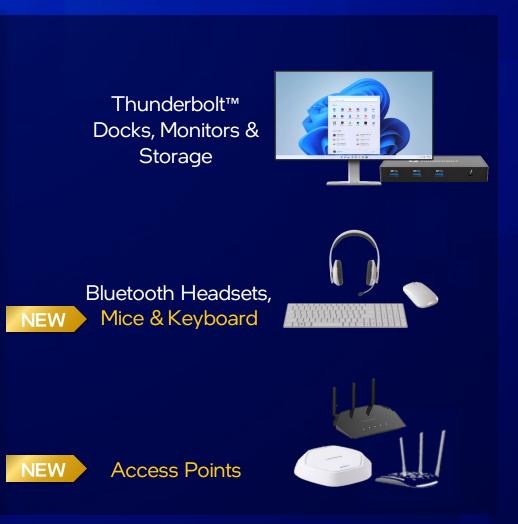
PC and accessories verified for reliable operation





Engineered for Evo Partners







Thank You

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