



## Top 10 Reasons you want Intel® Evo laptops with 13th Gen Intel® Core™.

1. The POWER of 13th Gen Intel® Core™ Processors
2. Intel® Unison™: Cross-OS multi-device experience
3. Intel® Wi-Fi 6E (Gig+) with 6 GHz support
4. *New:* Intel Connectivity Performance Suite with Advanced Connection Manager
5. Tested and verified for 30 minutes more battery life<sup>2</sup>
6. Collaborate with confidence – Wi-Fi6E/ICPS + Noise suppression + camera quality + AI image effects
7. More designs with Intel® Arc™ and 3<sup>rd</sup> party discrete graphics options
8. Thunderbolt™ ports for fast and easy single cable docking/charging/data transfer/display sharing/audio
9. Accessories designed and tested to just work
10. Consumers can buy with confidence knowing each design is co-engineered and verified<sup>1</sup> against 75+ technical specifications and hardware requirements to EARN the Intel Evo badge.

## Intel<sup>®</sup> Evo™ Platform. The Best Overall Premium Laptop Experience.

Introducing the Intel Evo platform specification and key experience indicators based on new 13th Generation Intel<sup>®</sup> processors, new Intel<sup>®</sup> Unison™ software delivering the industries best multidevice experience.

Dec. 12, 2022 — Four years into our program, we continue to drive innovations and premium experiences users want with the Intel<sup>®</sup> Evo™ laptop specification with 13th Gen Intel<sup>®</sup> Core™ processors to market. Available only on Intel Evo designs, we are bringing to life a multidevice experience called Intel Unison. Intel Unison is a software solution that brings together devices, operating systems and form factors to create one integrated experience. This true cross-platform product will provide the Windows ecosystem a multidevice experience that does not require the user to make device choice compromises as it is compatible with both Android and iOS phones.

### Intel<sup>®</sup> Unison™: The Most Choice in PC and Phone Integration



As part of our ongoing commitment to advancing and scaling new PC experiences, we are bringing Intel Unison with 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 is flexible, letting you connect your choice of PC and phone (Android or iOS) to do file transfers, photo sharing, text messaging, phone calls and notifications all from your PC without waking up your phone.

#### Intel Unison: Easy, Intuitive and Fast

Simple tasks should not be cumbersome, even when they involve multiple devices and operating systems. Intel Unison makes the different operations fast, intuitive and easy.

- Integrate your devices in a snap with an intuitive one-time setup that is fast and easy.
- Extend the power of the PC and enjoy the ease of taking a photo or a video on your phone and seamlessly editing it on your PC.

#### Intel Unison: Stay in Your Flow

While the PC is a main productivity device, each day is full of distractions as multiple devices compete for users' attention. Intel Unison allows the user to stay focused on one screen and be more productive. It's about staying in the flow, even when other things are happening.

- We're excited to give users the ability to write, read and reply to text messages from their iPhones through their Windows PC keyboard and monitor. It's a quick text functionality that keeps you in the flow, without a need to move between screens and devices while the PC and phone are still connected. In the Android version, Unison offers an even fuller experience that features synced conversation history, so nothing gets lost when the session ends. By partnering with the ecosystem, we hope to expand capabilities in the future.
- Make and receive voice calls directly from your PC. With access to your phone's full contact list, experience the ease of making calls from your PC with all contacts at your fingertips.
- Stay connected and maintain control. Receive and manage phone notifications from your PC.
- Save time and reduce frustration when transferring files/photos between your PC and Android or iOS device.

## Intel Unison: Connectivity and Flexibility

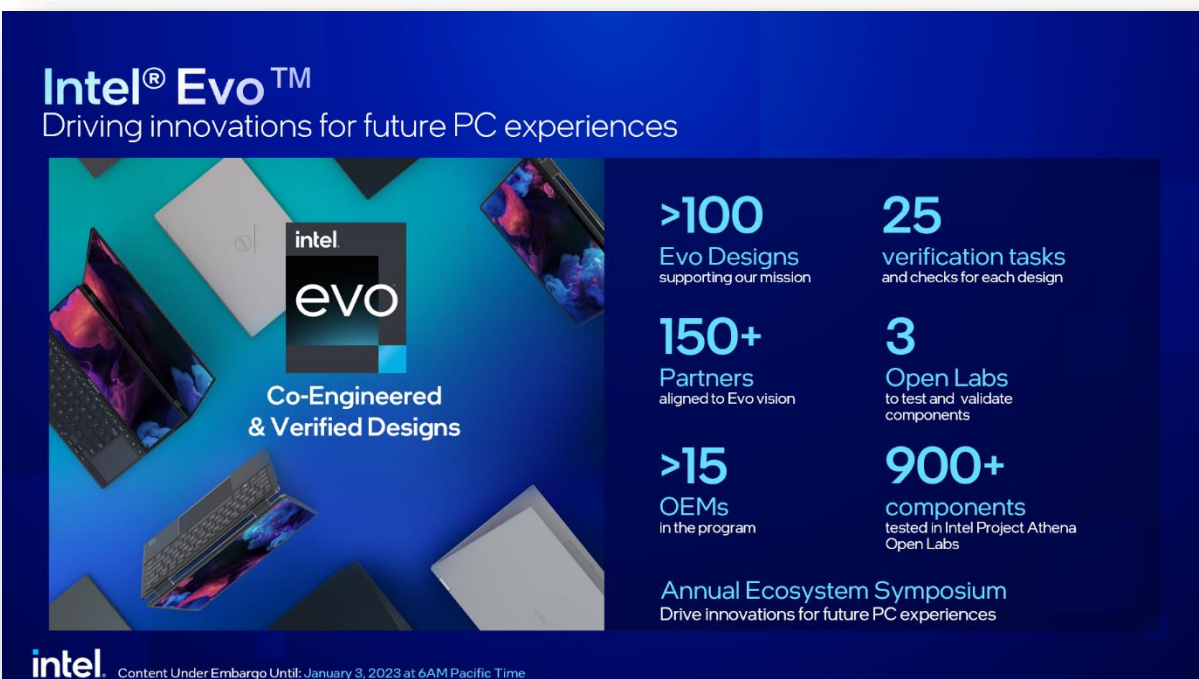
As a leader in the connectivity space, Intel is in a unique position to enable robust, comprehensive and flexible multidevice experiences based on the ability to wirelessly connect, communicate and transfer data between devices. Intel Unison features flexible connectivity options that include a local Wi-Fi router or peer-to-peer connection over the network, while Bluetooth and Bluetooth Low Energy (BLE) are utilized according to the scenario and devices involved.

We first released Intel Unison software on select 12th Gen Intel Core designs from Acer and HP and have now expanded it to more Intel Evo designs based on the 13th Gen Intel Core processor with broad system availability coming from leading OEM manufacturers throughout the year.

Learn more: [Intel Unison](#)

## Evo designs are Verified for a Premium Experience

A premium laptop experience should be more than the sum of its parts. Users today have a broad choice of premium Windows devices to choose from. Intel Evo designs are targeted for that premium buyer who demands a no compromise experience. This means excellent performance, long battery life, top quality build materials, gorgeous displays, fast and reliable connectivity, multi-device connections, and so much more that creates an experience that delights and surprises. We verify and test hardware requirements and system performance metrics to ensure we bring that experience for a given design. Testing and verifying is critical. Putting together hardware and software without testing, tuning and verifying will not always provide the sum total that we want to deliver from an Intel Evo design.

A graphic titled "Intel® Evo™ Driving innovations for future PC experiences". It features a collage of laptops and the Intel Evo logo. To the right, a grid of statistics is presented in white text on a dark blue background. The statistics include: >100 Evo Designs supporting our mission; 25 verification tasks and checks for each design; 150+ Partners aligned to Evo vision; 3 Open Labs to test and validate components; >15 OEMs in the program; 900+ components tested in Intel Project Athena Open Labs; and the Annual Ecosystem Symposium Drive innovations for future PC experiences. At the bottom left, the Intel logo is followed by the text "Content Under Embargo Until: January 3, 2023 at 6AM Pacific Time".

**Intel® Evo™**  
Driving innovations for future PC experiences

**Co-Engineered & Verified Designs**

<b>&gt;100</b> Evo Designs supporting our mission	<b>25</b> verification tasks and checks for each design
<b>150+</b> Partners aligned to Evo vision	<b>3</b> Open Labs to test and validate components
<b>&gt;15</b> OEMs in the program	<b>900+</b> components tested in Intel Project Athena Open Labs

**Annual Ecosystem Symposium**  
Drive innovations for future PC experiences

intel. Content Under Embargo Until: January 3, 2023 at 6AM Pacific Time

## Engineered to go anywhere.

Intel Evo platforms are co-engineered and designed to help people get the things done that matter most. With a combination of key platform technologies and system optimizations, these laptops are engineered to help remove lag, distractions, and dependency on battery chargers – ensuring exceptional experiences from anywhere. All designs on the Intel Evo platform are verified<sup>1</sup> against the following KEI targets:

- Consistent responsiveness on battery across 25 common tasks.<sup>2</sup>
- Wake from sleep in less than 1 second.
- 9.5 or more hours of real-world battery life on laptops with full HD display.<sup>3</sup>
- 4 or more hours of battery life in a 30-minute charge on laptops with full HD display.<sup>4</sup>

In addition to our focus on responsiveness and battery life, every Intel 13th Gen Core based Intel Evo branded laptop are required to have other premium features like: Intel<sup>®</sup> Thunderbolt™ 4, verified ≥1080p+ display with minimum quality metrics (brightness, contrast, color space, bit depth), backlit keyboard, precision touchpad, password-less log-in, intelligent noise suppression for voice and video calls, smart Wi-Fi optimization, and more. This complex combination of technologies, engineering, and verification testing coming together to bring the best overall laptop experience.

## Innovation for a no compromise experience.

The Intel Evo specification provides OEM's the flexibility to innovate while still meeting the defined minimum experience criteria. We recognize that the specification can't be so rigid that OEM's have no room to innovate, and this gives users the choice to find the perfect laptop that suits their needs. Some of these innovation options include Intel<sup>®</sup> Arc™ and 3<sup>rd</sup> party discrete graphics, 5G wireless connectivity<sup>5</sup>, display resolution options, 2-in-1 designs with touch, foldable designs or second displays, wake on approach/walk away lock options and more.

## Intel<sup>®</sup> Evo™

### Project Athena Specification Target Highlights

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

#### Intelligence Built Across Platform Levels

- AI-assisted Dynamic Background Noise Suppression
- Intel<sup>®</sup> DL Boost + Intel<sup>®</sup> 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

intel  
evo  
i7

No Compromise Mobile Performance  
Intelligent Collaboration  
New Multi Device Experience

**Focus. Connect. Adapt.**

#### 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<sup>®</sup> Wi-Fi 6E (Gig+)™
- Intel<sup>®</sup> Connectivity Performance Suite 2.0 for intelligent Wi-Fi connection management\*\*
- Universal cable connectivity over USB Type C with Thunderbolt™ 4
- Optional Intel<sup>®</sup> 5G LTE or 5G

#### Innovative and Engaging Form Factor

- >12"-16" x" > FHD bright displays, backlit keyboards, precision touchpads and more Optional QHD/UHD, OLED
- <5mm 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)

intel<sup>®</sup>

\*6GHz WiFi band not available for use in all countries  
\*\*Windows only  
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## Intelligent Collaboration: Gather with Others

We want to give users the ability to connect, be seen and be heard with confidence without the worry of a poor Wi-Fi connection, intrusive background noise, or poor video quality. Multiple technologies must come together seamlessly to make this user experience the best it can be:

- Intel Wi-Fi 6E (Gig+) with 160MHz channel support and 6GHz spectrum for a low latency and reliable connections<sup>7</sup>
- New: Intel<sup>®</sup> Connectivity Performance Suite with Advanced Connection Manager for Smart Wi-Fi connection and optimization<sup>8</sup>
- Intelligent noise suppression based on GNA or other AI enhanced software and hardware
- AI based imaging effects to enhance your appearance to others

We also test and verify that 13th Gen Intel Core designs meet a minimum battery life criterion while an 8-way (1 to 7) conference call is in progress to simulate real world conditions. This ensures not only responsiveness is maintained, but battery life meets our certain requirements while the user in on the go.

Learn more: [www.intel.com/wireless](http://www.intel.com/wireless)



**Intel<sup>®</sup> 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	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Streaming and Productivity	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Games	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Downloads	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

**Combine** all connections for max download speeds

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

Look for the new Advanced Connection Manager  
On select Intel<sup>®</sup> Evo<sup>™</sup> laptops configured with the Intel<sup>®</sup> Connectivity Performance Suite.  
Discover more at [www.intel.com/wireless](http://www.intel.com/wireless)

Learn more at [Intel.com/performance-wireless](http://Intel.com/performance-wireless). Results may vary.



## Extending the Experience

### Engineered for Accessories Program:



The Engineered for Intel Evo Program aims to build on top of the base standards and enable a high-quality experience of specific partner accessories with Intel Evo and Intel Evo vPro™ platforms. Specifically, this new program ensures capabilities based on a specification, co-engineering, and validation testing. The testing on Thunderbolt docks and monitor designs is about ensuring fast wake times, cross-device and dock interoperability, Fast charging of PC via dock/smart monitor and minimum bars for monitor quality and storage speed. For Bluetooth® headsets it is about ensuring high levels of

quality and reliability via KEIs (key experience indicators) and technologies such as better codecs & antenna optimization, simple pairing with the headset and PC via Microsoft® Swift Pair, seamless PC to phone switching and dongle free option to help users running out of USB-C slots.

Learn More: [Accessories Program](#)

## Engineered for Evo Partners



Thunderbolt™  
Docks, Monitors &  
Storage



Bluetooth Headsets,  
Mice & Keyboard



Access Points



## Ongoing Ecosystem Support: Testing components for a premium experience.

Project Athena has the support of more than 150 ecosystem partners. Together, they continue to push the boundaries of laptop innovation as they look to the future of adaptive PC experiences leveraging artificial intelligence, 5G and new form factors.

Intel is also expanding its educational work within the ecosystem to ensure partners are confident in Project Athena's unique methodology, as it continues to co-engineer the most advanced laptop experiences and designs. As part of this commitment, Intel has released its automated testing tool to partners to assess, tune and improve their laptop designs for better performance and battery life.

Since opening in June 2019, Intel's Open Labs in Taipei, Shanghai and Folsom, California, continue to support performance and low-power optimization of vendor components for laptops aligned to Project Athena. Utilization of Open Labs is exceptional across ecosystem partners – on average, operating at 90% utilization of available testing and validation resources of vendor components. More than 900 laptop components have been validated through Open Labs to date. These efforts combined will continue to help drive consistency in delivering Intel's vision for premium laptop experiences.

**More Context:** [Intel.com/ProjectAthena](https://www.intel.com/ProjectAthena)

Performance varies by use, configuration and other factors. Learn more at [www.Intel.com/PerformanceIndex](https://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.

Your costs and results may vary.

Intel technologies may require enabled hardware, software or service activation.

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<sup>1</sup> As measured by unique features of Intel Evo designs such as high performing CPUs, premium audio & visual components, broad ecosystem compatibility, sleek form factor innovations, optional touch screen and connectivity solutions. Intel's comprehensive laptop innovation program Project Athena ensures all designs with the Intel Evo brand have been tested, measured and verified against a premium specification and key experience indicators. Testing results as of February 2022, and do not guarantee individual laptop performance. Details at [intel.com/Evo](https://intel.com/Evo). Measured responsiveness of premium Windows OS-based designs while performing typical workflows in a realistic environment. For more complete information about performance and benchmark results, visit [intel.com/Evo](https://intel.com/Evo).

<sup>2</sup> Time taken to drain from 100% to critical battery level while performing typical workflows in a realistic environment. For more complete information about performance and benchmark results, visit [intel.com/Evo](https://intel.com/Evo).

<sup>3</sup> Charge attained from OEM-default shutdown level. For more complete information about performance and benchmark results, visit [intel.com/Evo](https://intel.com/Evo).

<sup>4</sup> 6 GHz Wi-Fi 6E functionality requires Intel® Wi-Fi 6E products, Wi-Fi 6E APs/Routers/Gateways, Operating System support for 6 GHz operation, along with country-specific 6 GHz spectrum allocation for non-licensed use, and associated regional regulatory approvals. 6 GHz spectrum may not be available in all markets. Intel technologies may require enabled hardware, software or service activation.

<sup>5</sup> 5G performance may vary and requires similarly configured 3GPP cellular networks and a carrier contract for 5G service, which is subject to regional availability and may not be available in all markets. Intel technologies may require enabled hardware, software or service activation.

<sup>6</sup> Intel® Unison™ solution is currently only available on eligible Intel® Evo™ designs on Windows-based PCs powered by 12th Gen Intel Core or newer CPU and only pairs with Android- or iOS-based phones; all devices must run a supported OS version. See [intel.com/performance-evo](https://intel.com/performance-evo) for details, including set-up requirements. Results may vary

<sup>7</sup> The Intel® Connectivity Performance Suite software application enables automated network traffic prioritization and connection optimization for Intel PC platforms configured with Intel® Wi-Fi 6E (Gig+) products. The Intel® Connectivity Performance Suite software application is only available for Intel® 12th Generation platforms or newer configured with Microsoft® Windows® operating systems.

<sup>8</sup> Based on integrated Intel® Wi-Fi 6 (Gig+) and Thunderbolt™ 4 technology. For more complete information about performance and benchmark results, visit [intel.com/Evo](https://intel.com/Evo).

## 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](https://newsroom.intel.com) and [intel.com](https://intel.com).