

# Workstations with Intel® Core™ Ultra processors: Intel's most portable workstation offering



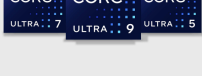
## Workstations need to meet the needs of today's processing-hungry and on-the-go employees.

Requirements include speed, efficiency, reliability, and responsiveness, as well as the ability to use AI to accelerate tasks.

Data scientists, engineers, financial analysts, architects, and creatives need the right devices to get the job done.

The good news: Workstations based on Intel® Core™ Ultra processors can power AI-enabled, on-the-go work while also offering improved graphics performance and longer battery life.

The OEM enabled built-in Intel Arc™ GPU option even includes Independent Software Certifications (ISVs) for demanding business-critical software.



### The architect, designer, or creative on-the-go

Can meet with clients "in the field" to walk through designs, model options, create renders, and more



Dedicated neural processing unit (NPU) powers AI for creative design tasks



Intel® Arc™ Pro GPU graphics option brings stability and reliability with ISV certifications\*



Improved battery life helps keep you productive on the go



Processor design translates to lightweight devices for portability, power, and flexibility



Multi-cores for rendering speed.

\* With the OEM enabled workstation driver.

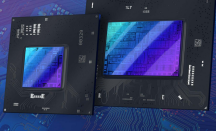
## The benefits of AI are real for architects, creators, data scientists, and business leaders alike



94% of business leaders believe AI is critical to their success strategy over the next five years<sup>1</sup>

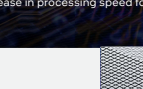
### Intel® Core™ Ultra processors

Delivering the ultimate immersive experience for intense creation with AI capabilities, improved graphics, enhanced performance, and longer battery life.



#### 1) AI Capabilities

- Dedicated NPU tackles AI workloads, enabling low-power AI acceleration without burdening the CPU and GPU
- High-performance CPU, NPU, and GPU ensure the right engine for any AI task

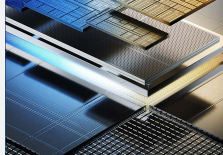


Up to 70% increase in processing speed for generative AI<sup>2</sup>

#### 2) Improved graphics

- Available Built-in Intel® Arc™ graphics with Arc™ Pro Driver
- ISV certifications\* ensure efficient and effective performance for your most important applications
- Graphics access to system memory provides enough headroom to run the biggest workloads
- Hardware Ray Tracing Units allow for compute-intensive tasks such as visualizing your next project while on-the-go.

\* With the OEM enabled workstation driver.



Up to 2x - Boost in graphics performance<sup>3</sup>

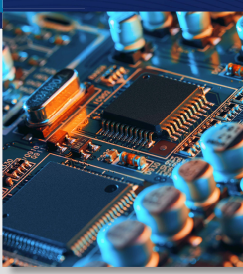


#### 3) Performance enhancements

- CPU performance cores optimized for productivity
- CPU efficient cores help scale highly threaded workloads and background tasks
- Intel® Thread Director intelligently distributes workloads to the optimal cores<sup>4</sup>
- Built-in NPU tackles AI workloads, freeing up CPU and GPU for other tasks
- Available Intel® Arc™ Pro GPU tears through graphics workloads with ease

#### 4) Battery life

- Up to 25% less processor power consumed by laptops with Intel Core® Ultra™ processors on board<sup>5</sup>



Click to learn more about how Intel can help power AI-enabled, on-the-go work.

[Learn more](#)

<sup>1</sup> Deloitte, "Fueling the AI transformation: Four key actions powering widespread value from AI, right now." October, 2022, <https://www2.deloitte.com/content/dam/Deloitte/us/Documents/deloitte-analytics/us-ai-institute-state-of-ai-fthb-edition.pdf>

<sup>2</sup> Measured on video editing workload versus previous generation. Details at [www.intel.com/PerformanceIndex](http://www.intel.com/PerformanceIndex). Results may vary.

<sup>3</sup> Based on higher average FPS measured on Baldur's Gate 3 compared to prior gen. Details at [intel.com/performanceindex](http://intel.com/performanceindex). Results may vary.

<sup>4</sup> Built into the hardware, Intel® Thread Director is provided only in performance hybrid architecture configurations of 12th Gen or newer Intel® Core™ processors; OS enablement is required. Available features and functionality vary by OS.

<sup>5</sup> Consume up to 25% less processor power while playing a 4K video from a local drive with an Intel® Core™ Ultra 7 165H processor, compared to a 13th Gen Intel® Core™ i7-1370P processor. As measured by system on chip (SOC) package power consumption while running a 4K LVPB workflow. Learn more at [www.intel.com/PerformanceIndex](http://www.intel.com/PerformanceIndex). Results may vary.

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

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Intel Arc disclaimer for MTL assets: Intel® Arc™ graphics only available on select H-series Intel® Core™ Ultra processor-powered systems with at least 16GB of system memory in a dual-channel configuration. OEM enablement required; check with OEM or retailer for system configuration details.

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