Supercharge AI and graphics at the edge

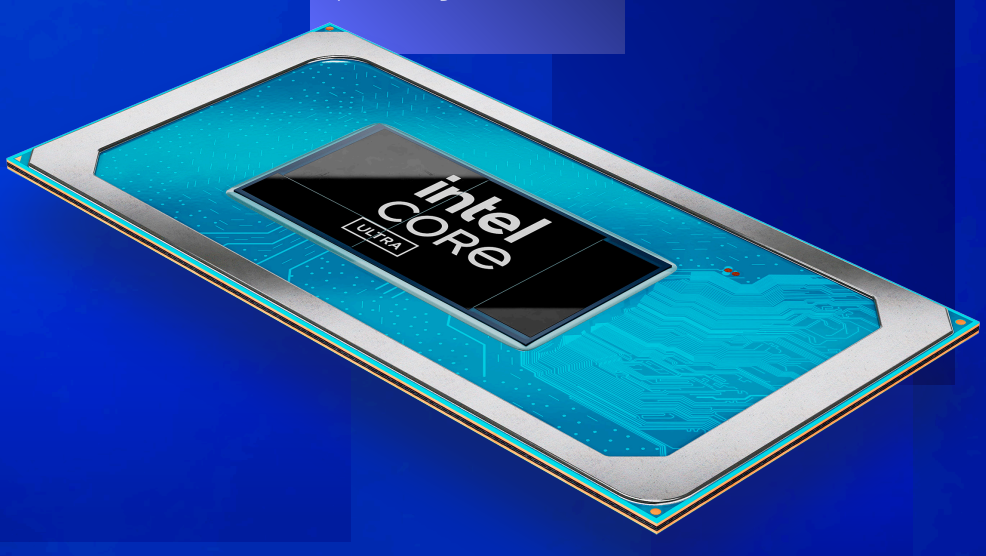
Deploy edge solutions with advanced AI and graphics performance in power-efficient BGA packaging.

Up to
1.5x
the AI performance
vs. previous generation[1]

Up to
2.56x
the AI performance/watt
vs. previous generation[1]

Up to
1.81x
the graphics performance vs. previous generation[1]

Performance compared to 13th Gen Intel® Core™ processors. For workloads and configurations, visit intel.com/PerformanceIndex. Results may vary.



Intel® Core™ Ultra processors

Enable edge innovation

AI-ready performance

Accelerate inference at the edge with multiple integrated compute engines—P-cores, E-cores, Intel® Arc™ GPU,[2] and Intel® AI Boost,[3] a built-in neural processing unit (NPU).

Immersive graphics and media

Consolidate systems and help cut hardware costs for applications like kiosks, terminals, and 4x 4K video walls.

Improved power efficiency

Streamline your edge AI builds with platforms that deliver great power efficiency vs. the previous generation.

Enhance results at the edge

Simplify development with purpose-built software tools

Support for OpenVINO™ toolkit, cross-architectural programming, and automatic compute engine detection

Take advantage of long-life availability[4]

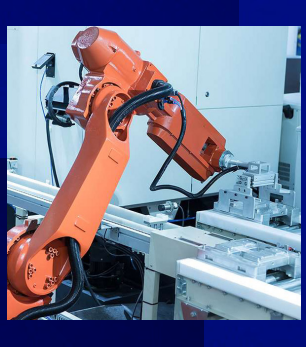
Extend the value of deployments and extend the interval between recertifications

Power the most-demanding edge workloads across industries

Cities and critical infrastructure

Support more video streams and larger data sets

Digital security and safety, network video recorders, roadside units



Manufacturing

Enhance Industry 4.0, including AI vision, and consolidate workloads

AI-augmented industrial process control, industrial PCs, human-machine interfaces, machine control, microgrid controller

Retail and entertainment

Create immersive experiences and drive computer vision capabilities

POS and kiosks, thin client, digital signage, interactive flat-panel display, restaurant automation, unified communications as a service

Healthcare

Support detail-rich displays and augment clinician workflows with AI

X-ray, ultrasound, mammography, lab diagnostic equipment, medical panel PCs, medical kiosks and carts

Learn more about **Intel Core Ultra processors.**
intel.com/coreultra-edge ›

Notices and disclaimers

1. Performance varies by use, configuration, and other factors. Learn more at intel.com/processorclaims: Intel® Core™ Ultra processors, Edge. Results may vary.
2. Intel® Arc™ GPU only available on select H-Series, Intel® Core™ Ultra processor-powered systems with at least 16 GB of system memory in a dual-channel configuration. OEM enablement required; check with OEM for system configuration details.
3. Limited enablement at launch.
4. Intel does not commit or guarantee product availability or software support by way of road map guidance. Intel reserves the right to change road maps or discontinue products, software, and software support services through standard EOL/PDN processes.

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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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