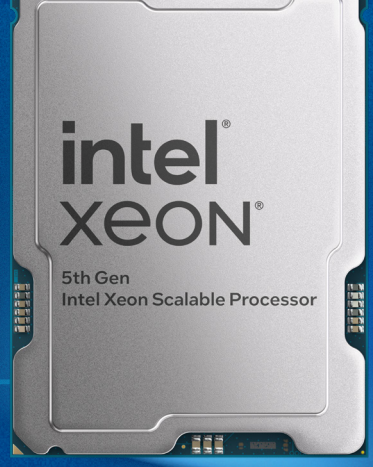


Accelerate Edge Workloads with Built-in AI and Security

5th Gen Intel® Xeon® Scalable processors unlock new opportunities at the edge.



Achieve incredible performance for demanding, emerging AI and edge workloads. 5th Gen Intel® Xeon® Scalable processors boost AI performance and energy efficiency, improve operational efficiencies, and enable confidential computing in edge deployments.

5th Gen Intel® Xeon® Scalable processors

Up to **1.59x** average performance gain¹

Up to **1.29x** average performance-per-watt gain²

Up to **2.81x** higher real-time inference performance for image classification³

Up to **5.28x** higher real-time inference performance for object detection⁴

vs. 3rd Gen Intel® Xeon® Gold 6348 processors

For workloads and configurations, visit intel.com/processorclaims: 5th Gen Intel® Xeon® Scalable processors. Results may vary.

Explore advanced edge capabilities



Faster AI inferencing

Support for Intel® Distribution of OpenVINO™ toolkit, Intel® AMX, and Intel® Data Center GPU Flex Series



Energy efficient and performant

Optimized Power Mode and low-power SKUs advance sustainability goals while integrated accelerators⁵ and faster memory speeds boost compute performance



Built-in trust for enhanced confidential computing

Intel® Software Guard Extensions, Intel® Trusted Domain Extensions, and Intel® Platform Firmware Resilience



Extended availability⁶ and long-life reliability SKUs⁷

Drive ROI with systems that will endure in the field for many years

Incredible performance and energy efficiency across emerging use cases



Healthcare and life sciences

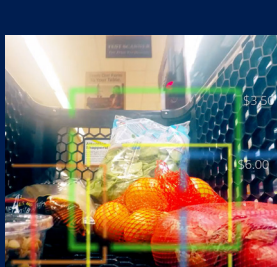
Improve medical imaging accuracy, enable faster scan results, and enhance the security of patient data

Medical imaging, genomics, biomedical manufacturing, digital pathology, health IT

Industrial and energy

Help support the integration of renewables, build a data-driven power grid, and consolidate automation hardware

Digital twins, test and measurement devices, PLC virtualization in process and discrete manufacturing, virtual protection relay for energy substations



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Frictionless retail solutions, vision checkout, transactional back-end servers, VDI servers, and micro fulfillment centers

Support important AI workloads at the edge with incredible performance, energy efficiency, and confidential computing.

Learn more about 5th Gen Intel® Xeon® Scalable processors at intel.com/5thgenxeon-edge.



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 6. 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. Contact your Intel account rep for additional information.
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 Availability of accelerators varies depending on SKU. Visit the Intel® Product Specifications page for additional product details.
 Performance varies by use, configuration, and other factors. Learn more at 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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