Accelerate Edge Workloads with Built-In AI and Security

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

intel. XEON 5th Gen Intel Xeon Scalable Processor

intel. XEON

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 gain[1]	Up to **1.29x** average performance-per-watt gain[2]	Up to **2.81x** higher real-time inference performance for image classification[3]	Up to **5.28x** higher real-time inference performance for object detection[4]

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.
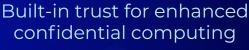
Explore advanced edge capabilities

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 accelerators[5] 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 availability[6] and long-life reliability SKUs[7]
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

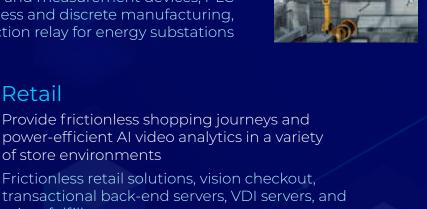Medical imaging, genomics, biomedical manufacturing, digital pathology, health IT

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

Retail
Provide frictionless shopping journeys and power-efficient AI video analytics in a variety of store environments

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

Learn more about 5th Gen Intel Xeon Scalable processors.
Visit XENON RADON Intel Servers.

XENON Systems is an Intel® Authorized System Integrator.

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High Performance Computing