3rd Gen Intel® Xeon® Scalable processors push the boundaries of the Internet of Things

1.46x average performance gain per prior generation

1.56x improvement in AI inference for image classification gen over gen

Meet present and future AI needs

Built-in acceleration helps satisfy performance-hungry AI video and analytics use cases—today and tomorrow.

Better secure your platforms and data with integrated protection

Help protect sensitive data in untrusted environments

Highly secure software Guard Extensions

Enable full physical memory encryption

with Intel® Total Memory Encryption

Leverage integrated efficiency and agility

Improve performance and optimize TCO with more CPU control

Using*® Speed Select Technology

Enable monitoring and control of shared resources

Using*® Resource Director Technology

Take your IoT Technology further

Industrial automation

Increase accuracy and efficiency with better performance for vision solutions.

Converge workloads at the edge and accelerate AI inference use cases such as image classification and object detection.

Healthcare

Augment clinical workflows and provider diagnoses with enriched analysis, automation, and performance.

Public sector

Use hardware-level security features to provide a trusted foundation that can help protect sensitive data.

Retail, banking, hospitality, and education

Deliver the performance, flexibility, security, and operational controls to enable better customer experiences.

Find out more about 3rd Gen Intel® Xeon® Scalable processors for IoT applications