Drive Revenue Growth and Improve Customer Experience with Faster, More Effective AI

Leadership performance with the world's best CPU for AI

4th Generation Intel® Xeon® Scalable Processors with Intel® Advanced Matrix Extensions (Intel® AMX) Outperform AMD EPYC[1]

Do More for Your Customers and Business with Better Generative AI and Large Language Models

4th Gen Intel Xeon delivers up to

↑ **5.6X** Higher BERT Large performance

AND

4.7X Better performance/watt for running a BERT Large workload than the 4th Gen AMD EPYC[2]

BERT Large is a widely used machine learning model for natural language processing (NLP) and language based AI applications.

Reduce Total Cost of Ownership (TCO) Across Your Server Fleet for AI

↓ As much as **79%** Lower TCO than the 4th Gen AMD EPYC while running a BERT Large workload[3]
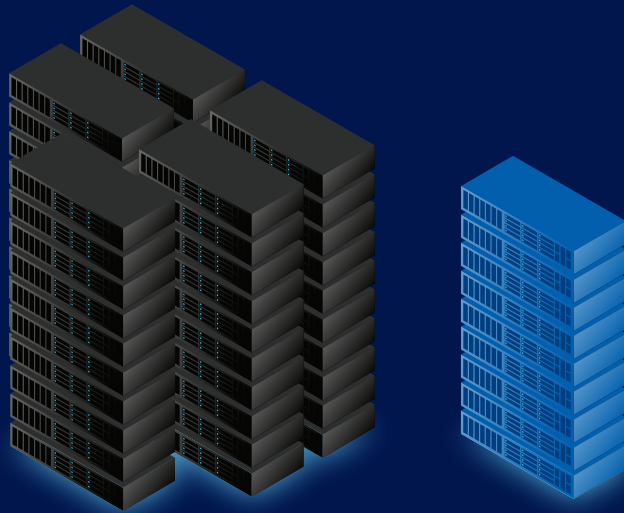
Solve common problems

- Better inform business decisions to drive revenue growth
- Reduce repetitive tasks, costs, and time for your business
- Create new content quickly and efficiently

- Improve customer retention and acquisition with better sentiment analysis
- Analyze large amounts of data faster
- Better understand, examine, and respond to customer queries

- More personalized customer suggestions
- Enable more responsive smart assistants and chatbots
- Improve text prediction speed and accuracy

Lower the Carbon Footprint of Your Data Center with Leadership Performance in AI[4]

Fewer servers to manage

50 vs. **9**

servers with 4th Gen AMD EPYC processors

servers with 4th Gen Intel Xeon Scalable processors

Lower costs
Saves
$1.38M USD

Power demand reduced
Saves
424,000 kWH/year

More sustainable data center operations
Reduces
719,546 kg CO_2 emissions over 4 years

Intel Xeon is architected for AI with Intel AMX. This leading AI acceleration is built into each Intel Xeon processor core to help you do more for your business. Find out more about Intel Xeon Scalable processors with built-in accelerators at **intel.com/acceleratorengines**.

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