intel

# Artificial Intelligence (AI)

Partner Enablement Package

Addressing customers' business challenges with Intel based solutions

intel.

# Bringing Al Everywhere

Enabling the AI continuum in every platform... from client and edge to data center and cloud.

## Intel Al Industry Impact



"Understanding the once-in-a-lifetime business opportunity that runs into a total addressable market (TAM) counted in the tens of billions of dollars, Intel has been busy building the infrastructures required for pervasive AI, across all industries and business segments"



"Buckle up, if the industry is to be believed, 2024 is the year of the AI PC, and it all starts with Intel."



"We are beginning to sense that Intel has progressively created its own advantages in AI after it concurrently released performance enhanced AI PC and new data center CPU."



"Critically, Intel's new chips have also arrived on schedule, a much-needed confirmation that the company's turnaround remains on track."



"Intel knows that AI will be everywhere by 2024 and wants its processors to be the basis for all the software technology that will flood the Internet and computer operating systems such as Windows. With this, you will be able to re-edit your favorite songs with just a few clicks or model the photos of a trip easily and quickly from your computer. Intel Core Ultra will turn every person into an individual artist, writer and musician."

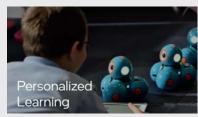


"Besides throwing out impressive numbers and claims, Intel offered some concrete, real-world examples of the kinds of AI workloads its new silicon will enable. For example, restaurants will be able to guide diners' menu choices, based on their individual budget and dietary needs, while manufacturers will be able to build new systems that catch quality and safety issues on the factory floor. Advanced AI powered by Intel's silicon will also lead to the creation of more effective ultrasound systems that can catch problems that a human doctor might miss."

## Al is Transforming Business Worldwide

## How can businesses benefit? Your business can leverage AI to increase profits and improve efficiency

















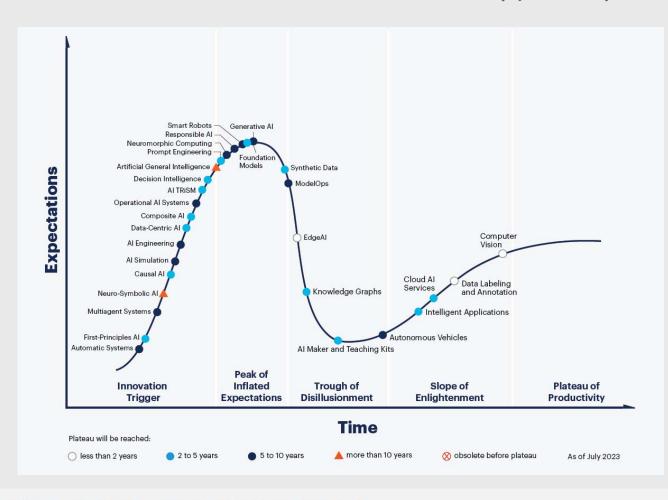








### Gartner Al Hype Cycle



The 2023 Gartner Hype Cycle™ for Artificial Intelligence (AI) identifies innovations and techniques that offer significant, and even transformational benefits while also addressing the limitations and risks of fallible systems.

Al strategies should consider which offer the most credible cases for investment.



"Early adoption of these innovations will lead to significant competitive advantage and ease the problems associated with utilizing AI models within business processes." *Gartner Director Analyst, Afraz Jaffri* 

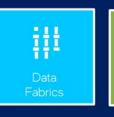
### Al is Evolving Rapidly

Underlying data technologies:



More than







\$300B Worldwide
GenAl spending
set to exceed
\$300B by 2026

Al everywhere



50%

of edge deployments will involve AI

of enterprise-managed

data will be created & processed outside the

data center or cloud

## Al as disruptive as the Internet

Generative AI predicted to add up to \$4.4T of value to global economy by 2040<sup>2</sup>

Growth of large model sizes (1T+ parameter models)

**Al inferencing** driving up compute costs; exceeding the pace of Moore's Law

Growth of smaller, nimbler models (~10B parameters)

https://www.mckinsey.com/capabilities/mckinsey

\_Worldwide Artificial Intelligence Spending Guide (IDC)

https://chiefexecutive.net/the-rise-of-the-ai-ceo/

https://blogs.gartner.com/andrew\_white/2021/07/24/by

Stretching to the Digital Edge, July 2023. GARTNER is a registered trademark and service mark of Gartner, Inc. and/or its affiliates in the U.S. and internationally and is used herein with permission. All right reserved. By 2026, at least 50% of edge computing deployments will involve machine learning (ML), compared to 5% in 2022 (Building an Edge Computing Strategy, April 2023)



## Business Opportunity Use Case Examples



















Education	Health	Finance	Retail	Government	Energy	Automotive	Manufacturing	Telco
Teacher Assistant	Drug Discovery	Algorithmic Trading	Product Promotion	Gov Services Chatbot	Consumption Forecasting	Car Development	Factory Automation	Personalized Customer Services
Student Study Support	Doctor Co-pilot	Customer Portfolio Assistant	Customer Interface and Sentiment Tool	Document Search Summarization	Operational Performance	Multi-language in car aid	Predictive Maintenance	Network Automation
Parent Chat Portal	Patient Family Chatbot	Risk / Credit Assessment	Image Shopping Aid	Live Language Translation	Energy Trading Assistant	Supply Chain Optimization	Precision Agriculture	Operational Performance

### What Are Some of the Al Challenges Today? Why Partner with Intel





#### **GPU Availability**

Intel CPU alternative to global GPU shortage

Naver's Al server switch comes as global information technology firms are increasingly disgruntled with Nvidia's GPU price hikes and a global shortage of its GPUs



#### Vendor Lock-in

Avoid Vendor Lock-in with open-source standards-based software

Intel works with all the industry standard open frameworks

and libraries to optimize for highest performance and ensure a quality out-of-the-box experience on Intel technologies



#### Cost

Intel is delivering better price and performance on 4th Gen Intel® Xeon®

In real work applications, Intel is disrupting the industry and democratizing AI by delivering better performance, lower price and a more balanced platform for Al inference



#### Secure AI

Intel Offers the Most Comprehensive Security Portfolio

Intel security capabilities let you set the trust boundary appropriate to your workloads, helping protect sensitive data, content, and software IP from advanced attacks, tampering, and theft

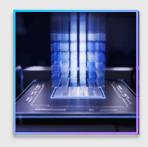
### How Intel is Bringing Al Everywhere

World-changing technology that improves the life of every person on the planet

### Intel's Unique Value

- Open approach
- Expertise across hardware & software
- Ecosystem
- Execution

Intel's broad portfolio of Al-enabling technologies, unique vision of future Alenhancing innovations, and unrivaled support for an open ecosystem are helping **bring Al everywhere** that benefits everyone





- Scaling AI across the full spectrum of workloads, making it accessible to individuals and organizations
- Heterogenous architectures, open standards, and solutions that let customers confidently secure diverse AI workloads across the data center, cloud, on PCs and at the edge





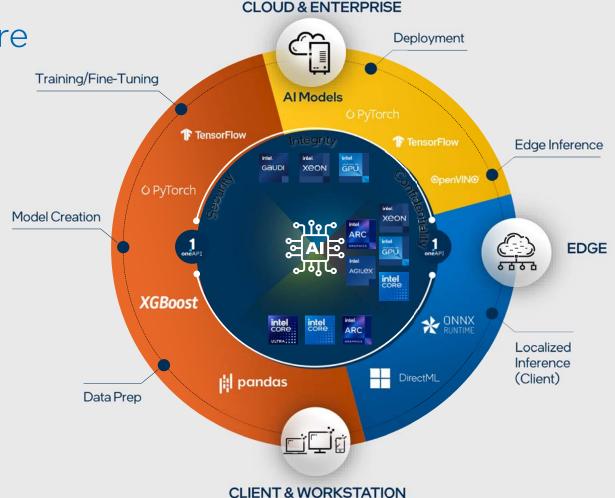




Al Continuum Enables Al Everywhere

Intel is your trusted partner to bring Al everywhere and support your business through every step of the Al journey

From the data center, cloud and network, to the client and edge



## Responsible Al with Intel



#### **Enhancing Accessibility**

For many individuals with disabilities, independence and autonomy can be a challenge. All is helping to change that by creating products that offer alternative solutions to everyday barriers



#### Creating Environmental Solutions

Using AI technology, researchers can better understand how our environment works and develop solutions to build a better future



#### Expanding Access to Education

Intel is dedicated to responding to the global AI skill gap with programs like AI for Youth and AI for Future Workforce, preparing students for the digital revolution



#### Advancing Healthcare

Al is now commonly used in healthcare and life sciences, from improving patient care to developing preventive disease research



#### Improving Safety

From enabling automated vehicles to drive successfully to reducing child exploitation, AI technology is helping make society safer

## How Intel is Powering AI at Every Stage

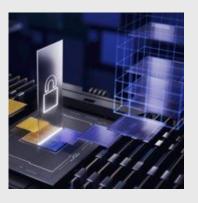
Intel is your trusted partner to **bring Al everywhere** as we support you through every step of your Al journey



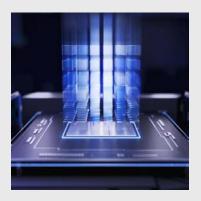




Deploy Anywhere



Stay Secure



Ecosystem Investment



#### Maximize Value

Why Intel's Open AI Approach is suited to your AI business needs

#### Avoid Vendor Lock-in

open-source standards-based software











Spark



**9Numba** 







Leverage Intel's Hardware portfolio

optimized for AI use cases







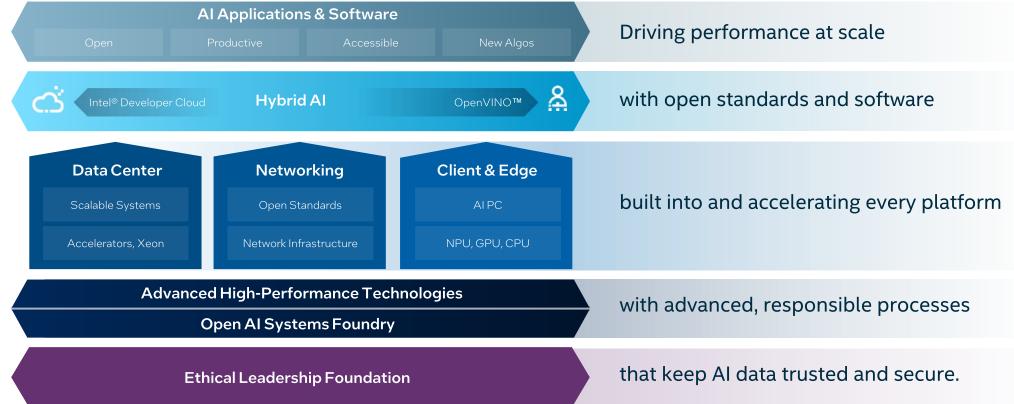


Create new opportunities from the client and edge to the data center and cloud with hardware optimized by software and open standards for tomorrow's AI



## Intel's Al Strategy

What Intel brings to accelerate AI innovation





#### Intel Al Portfolio

Take advantage of hardware and software optimized for all your AI compute needs

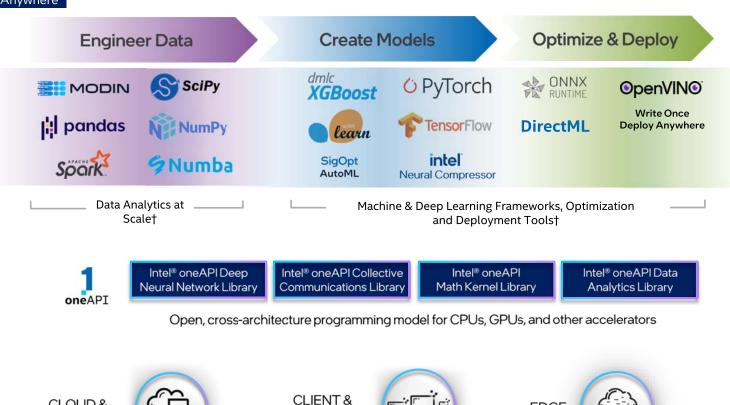




CLOUD &

**ENTERPRISE** 

#### Intel® Al Software Portfolio



WORKSTATION



Accelerate end-to-end data science and AI



Try the latest Intel tools and hardware, and access optimized AI Models

cnvrg. io

Full stack ML operating system

Intel® Geti

Annotation/training/optimization platform



Intel optimizations and fine-tuning recipes, optimized inference models, and model serving

**EDGE** 



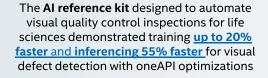
### Accelerate AI Development with Reference Kits

Optimized AI reference kits help developers and data scientists innovate faster

Built on the <u>oneAPI</u> open, standards-based, heterogeneous programming model and components of Intel's end-to-end AI software portfolio, such as <u>Intel® AI Analytics Toolkit</u> and the <u>Intel® Distribution of OpenVINO™ toolkit</u>, the reference kits enable AI developers to streamline the process of introducing AI into their applications, enhancing existing intelligent solutions and accelerating deployment.

The result is proven performance improvements with a shorter, more productive workflow versus a traditional model development workflow

Using the AI reference kit designed to set up interactions with an enterprise conversational AI chatbot, users can experience inferencing in batch mode up to 45% faster with oneAPI optimizations



To enable developers to predict utility asset health and deliver higher service reliability, there is an AI reference kit that provides up to a 25% increase in prediction accuracy







<u>Press Release</u> <u>Al Reference Kits eBook</u> intel.



### Stay Secure

Protect your AI initiative and comply with regulations with built-in security features

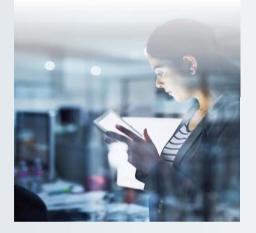
Security

Protect sensitive data & models



Compliance

Comply with security and privacy regulations



Confidentiality

Engage multi-party Al without exposing private data





## Intel Offers the Most Comprehensive Security Portfolio

Intel® Software Guard Extensions (Intel® SGX)



Application isolation

Intel® Trust Domain Extensions (Intel® TDX)



Virtual machine isolation

Intel® Trust Authority



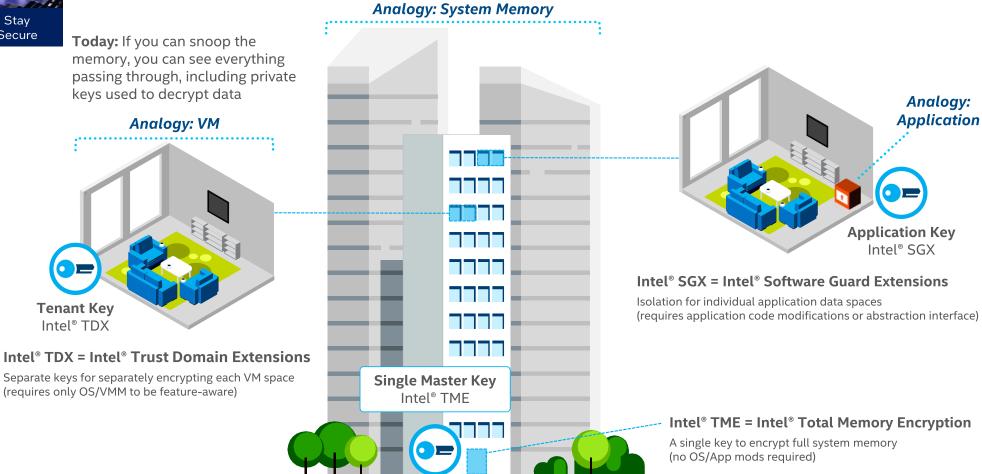
Independent trust verification services for multi-cloud & hybrid cloud

Software Solutions, Cloud, OEM and System Integrator Ecosystem

Intel Security-First Development & Lifecycle Support



## Protecting Data in Memory





## Accelerate Innovation and Enhance Data Protection with Intel® Security Engines

Confidential Computing with the Intel® Xeon® Scalable platform

Put data into action while helping to keep it private

Maintain performance while helping preserve data confidentiality and code integrity with Intel® Security Engines on Intel® Xeon® CPUs:



**Product Brief** 

With Intel you can get better insights for critical business outcomes:



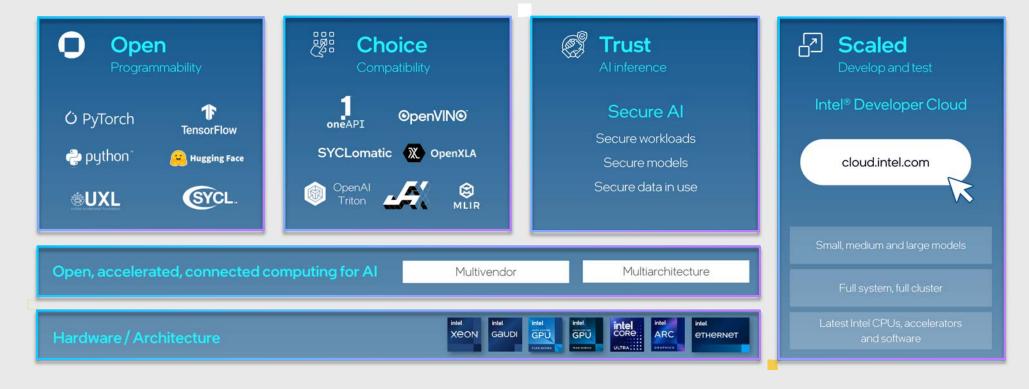
**Business Brief** 

Embrace Confidential Computing with Intel® SGX and Intel® TDX



### Enabling the Al Ecosystem

Drive new opportunities and key business outcomes with optimized performance using the modern software tools preferred by AI developers



intel.



## Running AI on Intel® Xeon®







intel



With AI acceleration in every core, 5th Gen Xeon processors address demanding end-to-end AI workloads before customers need to add discrete accelerators

Higher Performance on Al Inference

up to 42%
vs. prior generation1

General Compute Performance Gains

average 21%

vs. prior generation1

Faster Natural Language Processing up to 23% vs. prior generation1

Sandra Rivera, Intel executive vice president and general manager of Data Center and Al Group "Designed for AI, our 5th Gen Intel Xeon processors provide greater performance to customers deploying AI capabilities across cloud, network and edge use cases. As a result of our long-standing work with customers, partners and the developer ecosystem, we're launching 5th Gen Intel Xeon on a proven foundation that will enable rapid adoption and scale at lower TCO."

More Information

**Website** 

**Product Brief** 



## Intel® Xeon®: CPU Performance Leadership in Real World Al Applications

In real work applications, Intel is disrupting the industry and democratizing AI by delivering a better performance, lower price and more balanced platform for AI inference with:



Larger cache that helps with data locality and large memory capacity that allows to solve larger problems



Higher core frequency, multiple scalar ports and out-of-order execution that helps accelerate compute that is single threaded or multi-threaded but scalar



Intel® Advanced Vector Extensions 512 (Intel® AVX-512) that helps with non-DL vector compute



Intel® Advanced Matrix Extensions (Intel® AMX) that is built-in hardware support for AI acceleration

Full Tech Article

**Infographic** 







## 4th Gen Intel® Xeon® Scalable Processors with Accelerators for Al Inference

Accelerators like Intel® AVX-512 and Intel® AMX are designed to improve performance, reduce latency and increase memory bandwidth, making them well suited for running demanding Inference AI workloads

Intel® Advanced Vector Extensions 512 (Intel® AVX-512)

significantly accelerates deep learning training and inference, ideal for workloads like natural language processing, recommendation systems and image recognition



Website | Solution Brief
Video | User Guide and Downloads

Intel® Advanced Matrix Extensions (Intel® AMX)

can accelerate classical machine learning and other workloads in the end-to-end AI workflow, such as data prep



Website | Solution Brief Video | User Guide



## 4th Generation Intel® Xeon® Scalable processors with Intel® AMX outperforms AMD EPYC

#### Drive Revenue Growth and Improve Customer Experience with Faster, More Personalized Al



Better inform business decisions to drive revenue growth



Improve customer retention and acquisition



Increase engagement and improve conversion rates



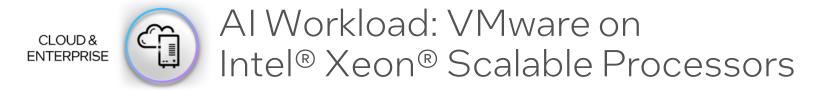
Reduce repetitive tasks, costs, and time for your business



VS



<u>Discover how 4th Gen Intel® Xeon® Scalable processors with Intel®</u> Advanced Matrix Extensions (Intel® AMX) outperform AMD EPYC









"You can run your entire end to end AI pipeline — data prep, training, optimization, inference – using CPUs with built-in AI acceleration."



"One thing you can do to increase the performance of your AI/ML workloads is to let the CPU's AMX instructions do some of that AI/ML work, lessening the need for expensive and hard-to-procure GPUs."



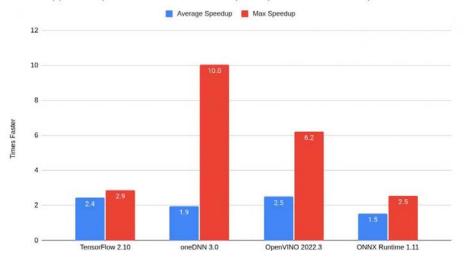
Full Article from Earl Ruby, Staff Engineer at VMware



Red Hat Enterprise Linux achieves significant performance gains with 4th Generation Intel® Xeon® Scalable Processors



2P Sapphire Rapids Phoronix-Test-Suite speedup factors vs 4P Cooper Lake



Our results show 4th gen speedup factors ranging from an average of 1.5x up to 10x faster<sup>1</sup>





	Challerige	Coldion, Results	interi reddets
Search engine for cloud compute service	How to handle large-scale queries and respond promptly with the search results	Tencent can use the optimized BERT model to deliver better service experiences and to help reduce TCO	4 <sup>th</sup> Gen Xeon® + Intel® AMX
美园 Meituan  Leading retail technology company	Cost effective vision Al services	Meituan increased the overall efficiency of its online resources by over 3x and saved 70% on service costs	4th Gen Xeon® + Intel® AMX + Intel® IPP + Intel® Extension for PyTorch (Intel® IPEX)

SIEMENS

Improving efficiency of radiation therapy professionals with Al-based auto contouring technology increases workload efficiency, improve consistency, and help free up staff to focus on value adding work

Supporting radiation therapy professionals with Al-based auto contouring technology increases workload efficiency, improve consistency, and help free up staff to focus on value adding work

Supporting radiation therapy professionals with Al-based auto contouring technology increases workload efficiency, improve consistency, and help free up staff to focus on value adding work



Improve performance of address-purification services

Faster end-to-end performance translates to better business results for Alibaba's customers in logistics, e-commerce, energy, retail, and finance. Using a built-in accelerator helps Alibaba control TCO

Solution / Results

4th Gen Xeon® + Intel® AMX + Intel® one DNN

Intel Products

Case Study

More info

Case Study

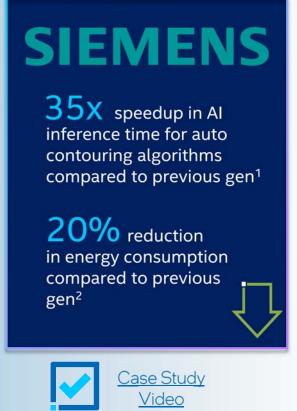
Case Study

See case study links for workloads and configurations. Results may vary.



## Testimonials on Intel's AI Technology











## Accelerate Critical Edge Workloads with Built-in Al and Security Capabilities

4<sup>th</sup> Gen Intel<sup>®</sup> Xeon<sup>®</sup> Scalable processors performance compared to 3<sup>rd</sup> Gen

1.33x
Higher Performance

3.01 X

Higher AI inference performance with Intel® AMX for image classification

4.25x

Higher AI inference
performance with Intel® AMX
for object detection

4th Gen Intel® Xeon® Scalable processors for IoT edge deliver incredible performance, memory, I/O, resource manageability features to support workload consolidation, and new AI instructions for deep learning training and inference at the edge

**Learn More** 

Al in Production Success Stories

## Al on the PC







#### Use Cases: Al on the PC

#### Creator: Photo & video search & editing

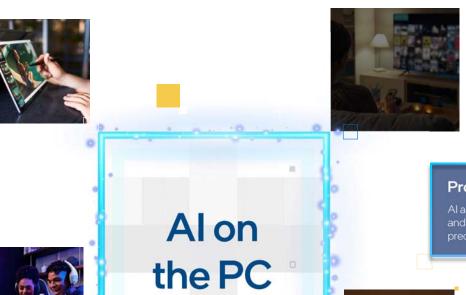
Faster, more natural filters, higher quality previews & faster export times with automated, quicker searches.

#### Mainstream gaming

New Al features for in-game, 3D animation for added realism, transcription & chat translation.

#### Creator: Text to image

New Al effects & features for creating - marketing, advertising, design.



"Unlocking the mundane"

#### **Productivity**



#### Accessibility

Al-assisted audio-visual capabilities for create and be productive on the PC.

Collaboration/streaming New Al capabilities for next-gen

video conferencing, streaming and

intel.



#### Intel Core Ultra Ushers in the Age of the AI PC

The heart of the AI PC, the new processor takes advantage of AI capabilities across operating systems and applications

First processor built on Intel 4 process technology Largest architectural shift in 40 years Built in Intel® Arc™
GPU3 that features up
to eight Xe-cores
up to 2x graphics
performance over the
previous generation¹

Intel's newest NPU, Intel®
Al Boost, built for
longer-running Al
workloads at low power
up to 2.5x better power
efficiency than the previous
generation¹

Michelle Johnston Holthaus, Intel Executive Vice President and General Manager of Client Computing Group "The launch of Intel Core Ultra represents the unmatched scale and speed at which Intel is enabling AI on the PC. By 2028, AI PCs will comprise 80% of the PC market<sup>2</sup> and together with our vast ecosystem of hardware and software partners, Intel is best positioned to deliver this next generation of computing."

More Information

Website

**Product Brief** 



## Case Study: Advancing patient care with Al in Intel® Core™ Ultra processors

CPU-powered ultrasound imaging applications delivers more accessible and cost-effective imaging technology

#### Situation

Samsung Medison is a pioneer in healthcare innovation. Their ultrasound imaging applications use AI for the most effective patient care.

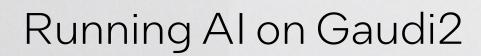
#### Challenge

Previously, their applications were run on previous generation Intel Core processors accelerated by a competitor discrete GPU.

#### Solution

Samsung tested new Intel Core Ultra processors with built-in GPU engines. They saw significant AI performance improvements when compared to their previous gen CPU + dGPU combo. With Intel Core Ultra, Samsung Medison can offer advanced AI features in their next-gen ultrasound devices based solely on the CPU.









## Gaudi2: Ideal for Efficient Training & Inference of Foundation Models

Gaudi2 is architected for deep learning performance, efficiency and scalability to meet the demands of large-scale foundation models like LLMs (GPT) and GAIs (Stable Diffusion)

Requirements	Gaudi2
Speed	1.5-2x faster than A100 for both training and inference
Memory	Each Gaudi2 device features <b>96 GB on-chip high bandwidth memory</b> making it easier fit large foundation models in memory, and train and deploy them at scale
Scalability	Scaling efficiency with 24x 100 GbE ports integrated on-chip, direct all-to-all connectivity between 8 cards in a server, and open ROCEv2 based communication within and across servers.
Ease of Use	Migrate or build models with <b>minimal code changes</b> with SynapseAl, PyTorch and DeepSpeed
Power Efficiency	~1.8x higher throughput/Watt vs A100
Cost-Efficiency	Based on purpose-built 1st-gen Gaudi architecture that yields up to 40% better price performance than A100 on Amazon cloud

Source: <a href="https://habana.ai/habana-claims-validation/">https://habana.ai/habana-claims-validation/</a>



## Gaudi2: Accelerating Generative AI and Large Language Models

The **Gaudi2** deep learning accelerator performs competitively on deep learning training and inference, with **up to 2.4x faster performance than Nvidia A100**<sup>1</sup>



<sup>1</sup> Press Release

Habana Gaudi2 and 4th Gen Intel® Xeon® Scalable processors deliver leading performance and optimal cost savings for Al training²



<sup>2</sup> Newsroom

Tech Article

Intel webinar recording discussing the cutting-edge capabilities of the Habana® Gaudi® 2 Al processor in capturing the potential of Generative Al and Large Language Models (LLMs)



Webinar



## Deep Learning Innovation: Intel, Habana Labs and Hugging Face

The focus of Intel's ongoing work with Hugging Face is to scale adoption of training and inference solutions optimized on latest Intel® Xeon® Scalable and Habana Gaudi® and Gaudi® 2 processors





The collaboration brings the most advanced deep learning innovation from the Intel® AI Toolkit to the Hugging Face open source ecosystem and informs innovation drivers in future Intel® architecture





Getting Started with

Transformers on Habana Gaudi

Faster Training and Inference: Habana Gaudi®-2 vs Nvidia A100 80GB

<u>Benchmarks</u>



## Democratized AI: Intel, Habana Labs and Hugging Face





20% faster Habana® Gaudi®2 running inference on a 176 billion parameter model than Nvidia's A100<sup>1</sup> 1.8X advantage in throughput-per-watt over a comparable A100 server when running a popular computer vision workload on a Gaudi2 server1

Read the announcement and watch the Fireside Chat here: Taking on the Compute and Sustainability Challenges of Generative Al



**Podcast** 

Hugging Face and Intel - Driving Towards Practical, Faster, Democratized and Ethical AI solutions



How Democratized Large Language Models Boost AI Development

Performance varies by use, configuration, and other factors; workloads and configuration details available at: Supermicro L12 Validation Report of Gaudi2 HL-225H SYS-820GH-THR2, Oct. 20, 2022



## Running AI on Intel® Data Center GPU Max Series

intel.



## Intel® Data Center GPU Max Series: Breakthrough Performance

Intel's highest performing, highest density discrete GPU

#### Intel's foundational GPU compute building block features:

- Up to 408 MB of L2 cache based on discrete SRAM technology, 64 MB of L1 cache and up to 128 GB of high-bandwidth memory
- Up to 128 ray tracing units built into each Max Series GPU for accelerating scientific visualization and animation
- Al-boosting Intel® Xe Matrix Extensions (XMX) with deep systolic arrays enabling vector and matrix capabilities in a single device
- oneAPI standards-based, multiarchitecture programming and tools, which boost performance and productivity and overcome proprietary programming model lock-in
- Strong performance highlighted by
  - up to 12.8x performance gain over 3rd Gen Intel® Xeon® processors on LAMMPS (large-scale atomic/ molecular massively parallel simulator) workloads running on Xeon® Max CPU with kernels offloaded to six Max Series GPUs and optimized by Intel oneAPI tools¹

Intel® Data Center GPU Max Series is designed for **breakthrough performance** in data intensive computing models used in **AI and HPC.** Intel® Max Series GPUs enable **greater flexibility and modularity** in the construction of the SOC.

Product Brief Website <u>Tech Article</u>



The entire Intel® Max Series product family is unified by oneAPI for a common, open, standards-based programming model to unleash productivity and performance.

Using oneAPI optimized deep learning frameworks and machine learning libraries, developers can realize drop-in acceleration for data analytics and machine learning workflows.



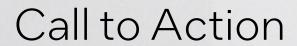
## Case Study: Aurora Supercomputer on Intel® Data Center GPU Max Series

Solving the world's most challenging problems...faster



The U.S. Department of Energy's Aurora
Supercomputer at Argonne National
Laboratory (ANL) is expected to be one of
the industry's first supercomputers to
feature over 1 exaflop of sustained doubleprecision performance and over 2 exaflops
of peak double-precision performance.
Aurora will also be the first to showcase
the power of pairing Max Series GPUs and
CPUs in a single system, with more than
10,000 blades, each containing six Max
Series GPUs and two Xeon® Max CPUs

Aurora Blade for Machine Learning Demo



### Call to Action

### Education



Understand how Intel technology can be used for your AI needs and the scope upon which Intel® Xeon® product lines can help you win more business

Learn more with

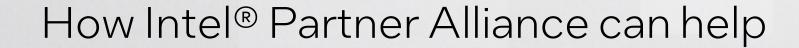
Al Training Assets

### Engagement



Get started with a Technical Domain Meeting

To schedule a Technical Disclosure, send email to: <a href="mailto:cloud.insider.program@intel.com">cloud.insider.program@intel.com</a>



intel

### Get Started with Intel® Partner Alliance

Intel Partner Alliance membership gives you exclusive business-building opportunities, like entry to our global marketplace, advanced training, and promotional support – all tailored to your needs

## Training and Competencies



Admission to Intel® Partner
University provides you with
specialized training on advanced
technologies, competency
programs and rewards for
learning

### Marketing Resources



Entry to the Intel® Solutions Marketplace and the Intel® Marketing Studio helps you create more demand for your products and services

If you're not already a Member <u>Join Now</u>

### Valuable Rewards



Earn points for your qualifying activities, advance your membership status and get access to additional resources to build your business

## Benefits of a Membership

### **Earn Points**



One of the most popular and differentiated benefits within Intel® Partner Alliance are points we award partners to recognize their business results with Intel and their engagement in high priority activities.

There are over 1,000 ways to earn points within Intel Partner Alliance, and 100's of redemption opportunities.

### **Cloud Insider Community**



Intel® Cloud Insider Community offers continuously refreshed, world-class cloud content and tools. Members have the opportunity to connect with peers and the ecosystem to take innovative, joint cloud solutions to market

Learn More

### **Industry Insights**



Gold and Titanium members can access specifically curated quarterly industry insights to help fuel their growth

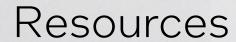
**Learn More** 

### **Financial Incentives**



Membership unlocks powerful marketing development funds and incentive programs to accelerate your product marketing success

Speak to your Intel Representative to learn about Intel® Partner Alliance Accelerator Initiatives and more Financial Incentives





DCAI Category Sales Intel Confidential 50

## How to Access Intel® Partner Alliance Customer Support

### **Intel Virtual Assistant**

This Chat Bot, located in the bottom-right corner of each Partner Alliance webpage, provides self-help to most questions or a quick link to a live support agent.



### Get Help "Blade"

Submit an online support request.

This link is found on the footer of most pages within the Partner Alliance website.

#### Get Help

#### □ Request Support

Contact us anytime to create a support request.
Submit request

### Partner Alliance "Get Help" page

The <u>Get Help</u> page provides detailed self-help guides on most of the tools and benefits available to Partner Alliance members.



## Cloud TV

Intel® Cloud TV explores cloud computing news, trends, and strategies to drive your success



Sapphire Rapids in the Cloud



Supercharging Al with the Cloud



Get on the Fast Path to Scale Al Everywhere



Al Inferencing Using Cloud Technologies



**AI in the Cloud** 

## Al with 4th Gen Intel® Xeon® Scalable processors Information and Resources



4th Gen Intel® Xeon® Scalable Processors

Intel AI Engines for Intel® Xeon® CPUs boost performance of the entire AI pipeline

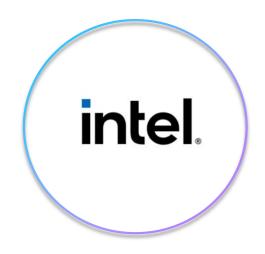


### **Tech Papers**

Accelerated AI Inference with Confidential Computing

Scalable End-to-End Enterprise AI on 4th Gen Intel® Xeon®

Simplify Your AI Initiatives with
Technology Innovators and Intel®
Technologies



### Infographic

<u>Deploy High-Performance AI Rapidly</u> <u>and Cost Effectively</u>

Faster ROI from AI



### **Case Studies**

Fujitsu | Siemens | BCM | ai.io



### **Videos**

Intel Al Pipeline Video

Intel® AMX: The Next Big Step in Al
Intel Al Accelerators Video

4th Gen Xeon Cloud AI Video



### **Briefcase**

Simplify Your Al Initiatives with Technology Innovators and Intel® Technologies

## Additional Resources

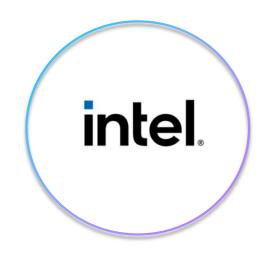


4th Generation Intel® Xeon®
Scalable Processors



Al Inference Software & Solutions

<u>Catalogue</u>





**In-deck links to Online Trainings** 



Hype Cycle for Artificial Intelligence, 2022

Unlock Digital Transformation in a Digital-First Economy: Become an Artificial Intelligence Disruptor

4th Gen Intel Xeon Scalable Processors
Primed to Accelerate Data Center
Performance and Capabilities

## Training Assets



DCAI Category Sales Intel Confidential 55

## Al Training Assets

### Artificial Intelligence

<u>Artificial Intelligence: Workload Acceleration with 4th Gen Intel®</u> Xeon® Processor

ALL

<u>Deep Dive into Securing On-Demand Al Workloads with Fortanix</u> Confidential Al

DevOps, Cloud Architects

Why Intel AI in the Cloud?

DevOps, Cloud Architects

Al Cloud Deployment Options

Cloud Architects, C-Suite

CSP Al Portfolios

Cloud Architects, C-Suite

Achieve Al Performance from Data Center to Edge

DevOps, Cloud Architects

Introduction to 4th Gen Intel® Xeon® Platform

ALL

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