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Investor
Meeting
2022

intel.

Investor Meeting 2022

Datacenter & AI Group

Sandra Rivera

Executive Vice President

General Manager, Datacenter & AI Group

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Executing to Accelerated Growth

Growing Our Leadership in Data Center



A Foundation Built On
Intel® Xeon® Scalable Processors

Harnessing Our Ubiquity and Core Strengths



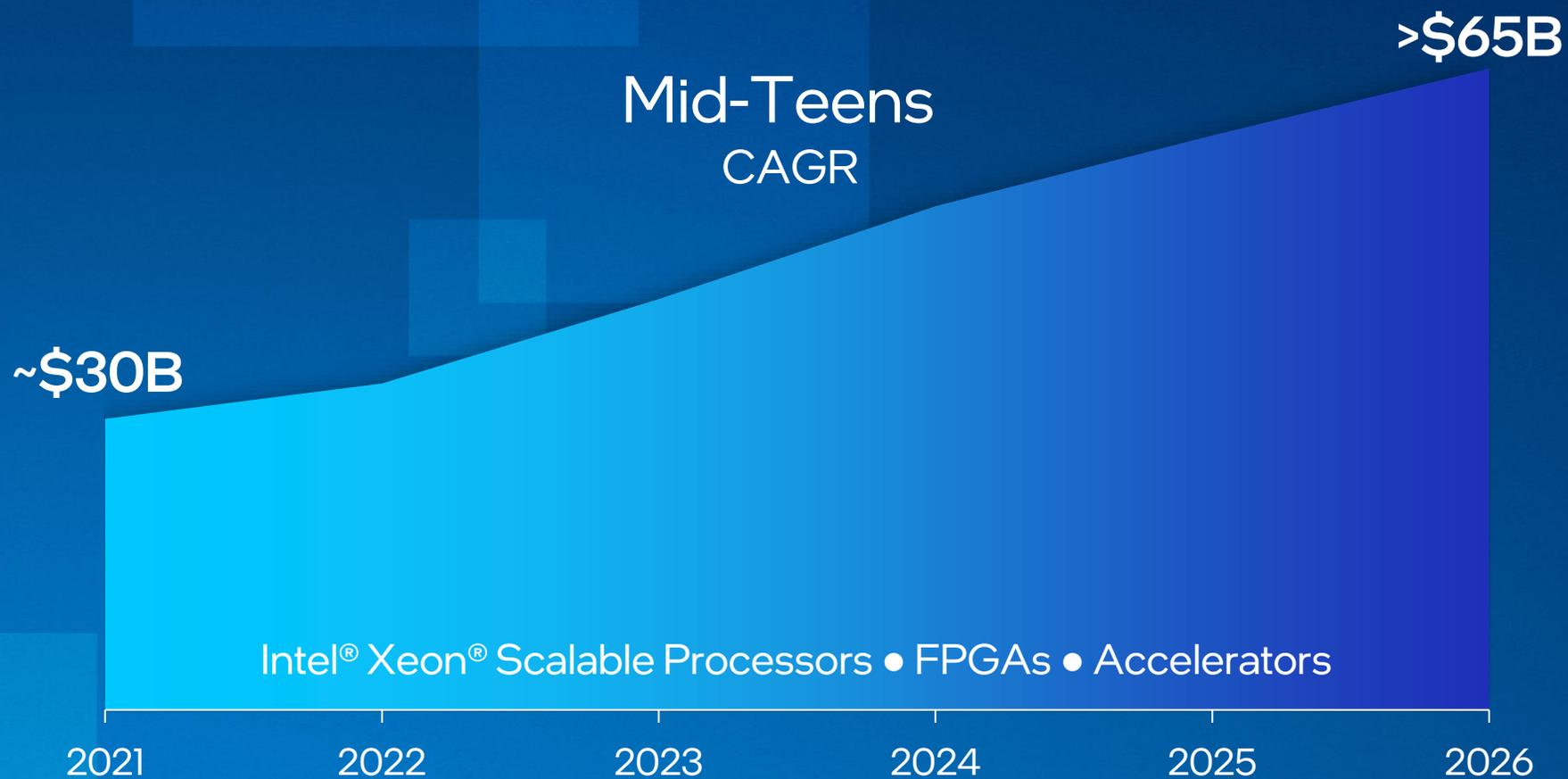
Building on Our Position as a
Trusted Industry Leader

Making AI and Security Pervasive



Unique Hardware Capabilities
Strengthened by Software

DCAI TAM Opportunity



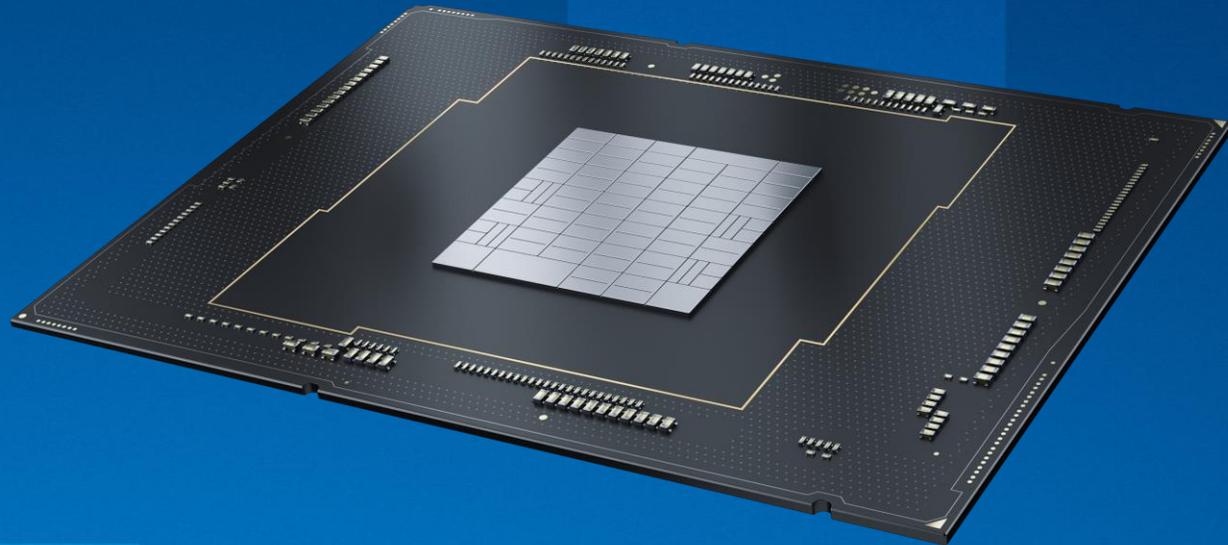
Market Trends

Continued Data Explosion

Evolution of Data Center Architectures

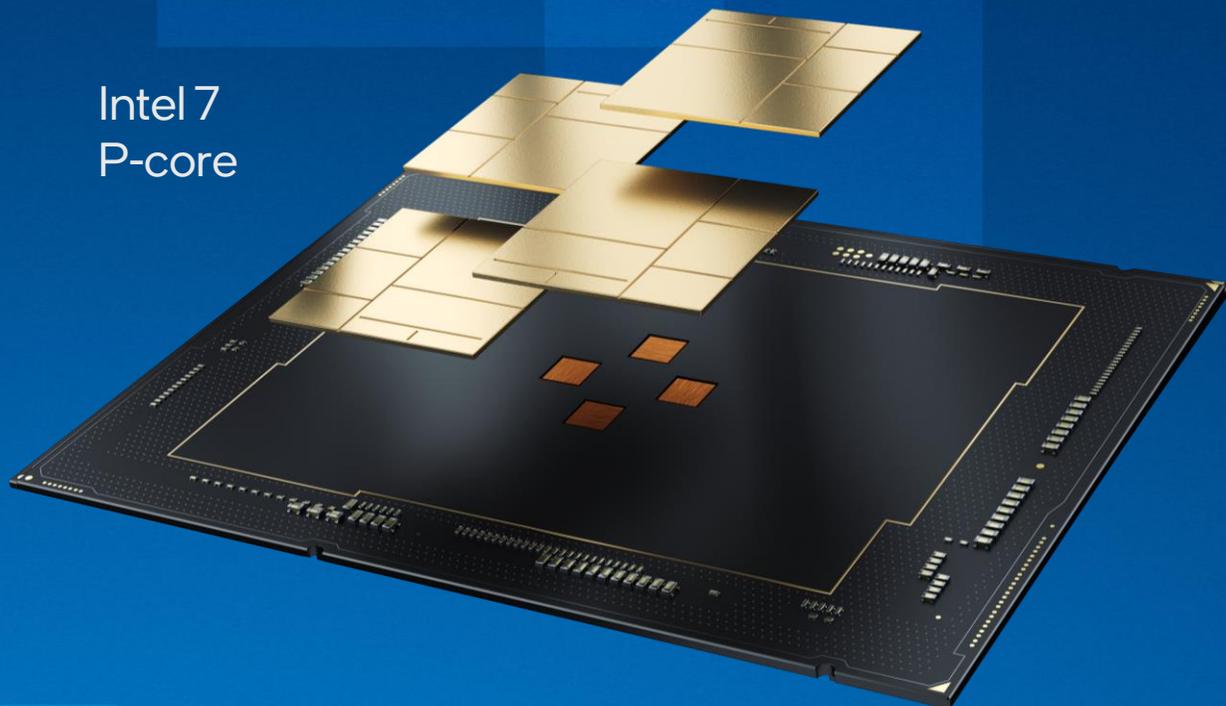
Growth of AI and Security

3rd Gen Intel® Xeon® Scalable Processor (Formerly Codenamed Ice Lake)



Data Center Leadership with Sapphire Rapids

Intel 7
P-core



Built-in Accelerators



Intel Advanced Matrix
Extensions



Intel Data Streaming
Accelerator



Intel QuickAssist
Technology

Advanced Security Solutions



Intel Software
Guard Extensions



Intel
Crypto
Acceleration



Intel Total
Memory
Encryption



Intel Platform
Firmware
Resilience

Enabling Major Industry Transitions



Gen 5



DDR5

Next Gen Intel® Xeon® Scalable Processor

(Codenamed Sapphire Rapids)

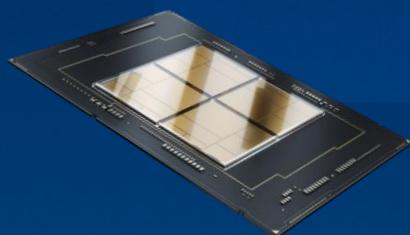
Nearly
2X

Performance Gain*
End-to-end AI workflow

Vs. Nvidia A100 GPU

*For workloads and configurations, visit www.intel.com/investordayclaims. Results may vary.

Expanding the Intel® Xeon® Processor Roadmap



Sapphire Rapids
Intel 7
2022



Emerald Rapids
Intel 7
2023



Granite Rapids
Intel 3
2024



Future Gen

P-Core

Perf/core optimized for mainstream & premium cloud and data-center applications



Sierra Forest
Intel 3
2024



Future Gen

E-Core

Power/perf optimized to support high-density, ultra-efficient compute for the cloud

Building on Our Position as a Trusted Industry Leader

Broad Software Ecosystem¹

>700

Commercial Software Providers Enabled and Optimized for Intel® Xeon® Scalable Processors

Extensive Software Optimizations

**100s
BILLIONS**

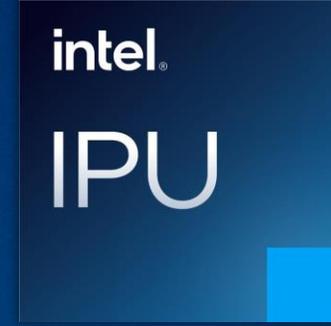
Lines of Code Optimized for Intel® Architecture

Broad OEM/ODM Ecosystem

**>100
MILLION**

Intel® Xeon® Scalable Processors in the Installed Base

Solutions Focus Drives Customer Value



64%

**Customers Report
Higher Application Performance***
On Average

Intel-based Partner Solutions

Spanning Edge to Cloud and
Covering All Major Markets

60%

**Customers Report
Faster Deployment Time***
On Average



"Our VM density has increased roughly 20% to 35% by using Intel Xeon Scalable processors optimized for virtualization and cryptography."

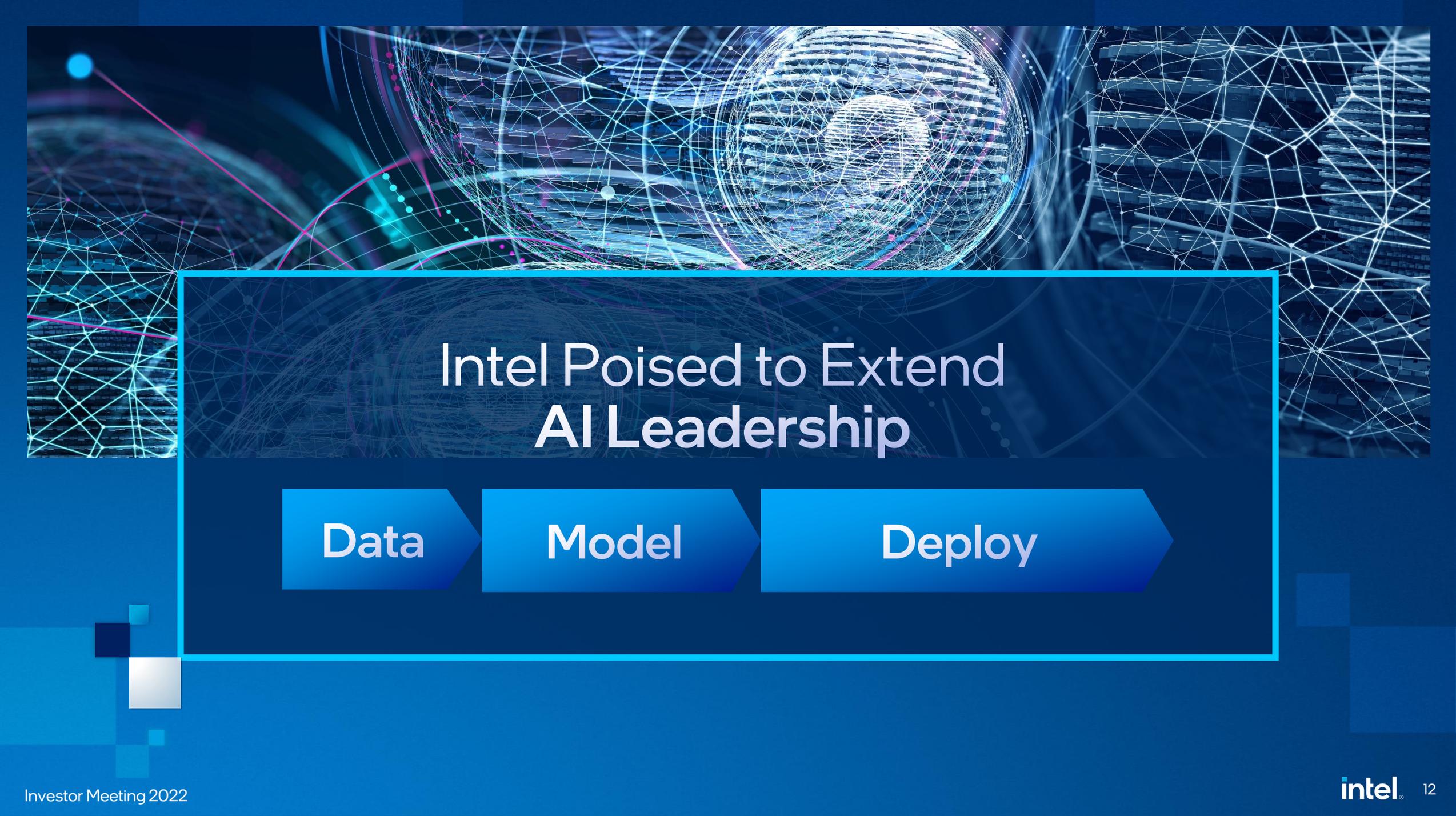
Ian McClarty, President, phoenixNAP



"Intel Select Solutions are like an 'easy button' that can help customers solve business problems faster."

*Bob Olwig, EVP, Corporate Business Development
World Wide Technology*

*Source: IDC Business Value White Paper, sponsored by Intel, [The Business Value of Intel-Based Workload Optimized Solutions](#)
doc #US48359721, November 2021, Results may vary



Intel Poised to Extend AI Leadership

Data

Model

Deploy

Intel Poised to Extend AI Leadership



Size of boxes is approximate silicon TAM (2021)

>\$40B
Silicon TAM
(2026)

AI Training 20% CAGR (2021-2026)	AI Inference 25% CAGR (2021-2026)
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Intel's Broad & Open Approach



Most AI Compute Today Runs on Intel® Xeon® Scalable Processors

Delivering Security Where Compute Happens



Cloud

Enterprise

Edge

Driving the Era of Confidential Computing



Intel SGX

Intel SGX Deployments

Alibaba Cloud aws Bai 百度

IBM Cloud Microsoft Azure

Tencent Cloud

Enterprise Use of Intel SGX

Microsoft MobileCoin

RBC Royal Bank Signal

UCSF Health BeeKeeperAI™

Intel Helps to Protect Data At Rest, Inflight and In Use



DCAI

Growing and Winning in the Data Center

Near Term CAGR

**Mid-to-High
Single Digits**
(2021 – 2023)

Longer Term CAGR

Mid Teens
(2023 – 2026)

Growing and Winning in the Data Center



Leadership Products, Process and Packaging
Technology and Scale Capacity

Near Term CAGR

**Mid-to-High
Single Digits**
(2021 – 2023)



Industry-leading Software and Hardware
Capabilities Unleash the Ecosystem

Longer Term CAGR

Mid Teens
(2023 – 2026)



Unmatched AI and Security Strengths Across
Products and Segments

intel®