

The image features the Intel logo centered within a white square. The background is a solid blue color, overlaid with a pattern of semi-transparent squares in various shades of blue, creating a geometric, pixelated effect. The Intel logo itself consists of the word "intel" in a lowercase, sans-serif font, with a small blue square positioned above the letter "i". A registered trademark symbol (®) is located at the end of the word.

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- Statements in this presentation that refer to business outlook, plans, and expectations are forward-looking statements that involve risks and uncertainties. Words such as “accelerate,” “achieve,” “adjust,” “allow,” “anticipate,” “believe,” “committed,” “continue,” “could,” “deliver,” “drive,” “estimate,” “expand,” “expect,” “focus,” “forecast,” “future,” “goal,” “grow,” “guide,” “improve,” “increasing,” “manage,” “may,” “on-track,” “opportunity,” “outlook,” “plan,” “positioned,” “potential,” “progress,” “ramp,” “refocus,” “regain,” “roadmap,” “sharpen,” “should,” “support,” “will,” “would,” and variations of such words and similar expressions are intended to identify such forward-looking statements. Statements that refer to or are based on estimates, forecasts, projections, uncertain events or assumptions, including statements relating to Intel’s strategy and its anticipated benefits, including our February 2022 Investor Day financial model, Smart Capital strategy, the Semiconductor Co-Investment Program, our partnership with Brookfield Asset Management (Brookfield), the transition to an internal foundry model, and updates to our reporting structure; Intel’s process and packaging technology, roadmap and schedules, including future node performance and other metrics; manufacturing expansion, financing and investment plans, including the impacts of plans such as our announced investments in the U.S. and abroad; financial projections; projected costs and yield trends; pending transactions, including the acquisitions of Tower Semiconductor Ltd., expected completion and impacts of restructuring activities and cost-saving or efficiency initiatives; uncertain events or assumptions, including statements relating to total addressable market, product or customer demand or market opportunity; business plans and financial expectations; future economic conditions, including related to interest rates and inflation, as well as regional or global downturns or recessions; geopolitical conditions, including the impacts of Russia’s war on Ukraine and the suspension of our operations; future legislation, including any expectations regarding anticipated financial and other benefits or incentives thereunder; tax- and accounting-related expectations; future products, technology, and services, and the expected regulation, availability, production and benefits of such products, technology, and services, including product ramps, and manufacturing plans, goals, timelines, and future progress; future business, social, and environmental performance, goals, measures and strategies; expectations regarding customers, including with respect to designs, wins, orders, and partnerships; projections regarding competitors; and anticipated growth trends in our businesses or the markets relevant to them, including future demand and industry growth, also identify forward-looking statements.
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PC TAM and Platform Roadmap Investor Webinar

John Pitzer

Corporate Vice President,
Investor Relations



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Presenters



Christoph Schell

Executive Vice President
Chief Commercial Officer
Sales, Marketing and Communications Group



Michelle Johnston Holthaus

Executive Vice President
General Manager, Client Computing Group

PC TAM and Platform Roadmap Webinar

Introduction: John Pitzer

PC TAM: Christoph Schell

PC Platform Roadmap: Michelle Johnston Holthaus

Live Q and A

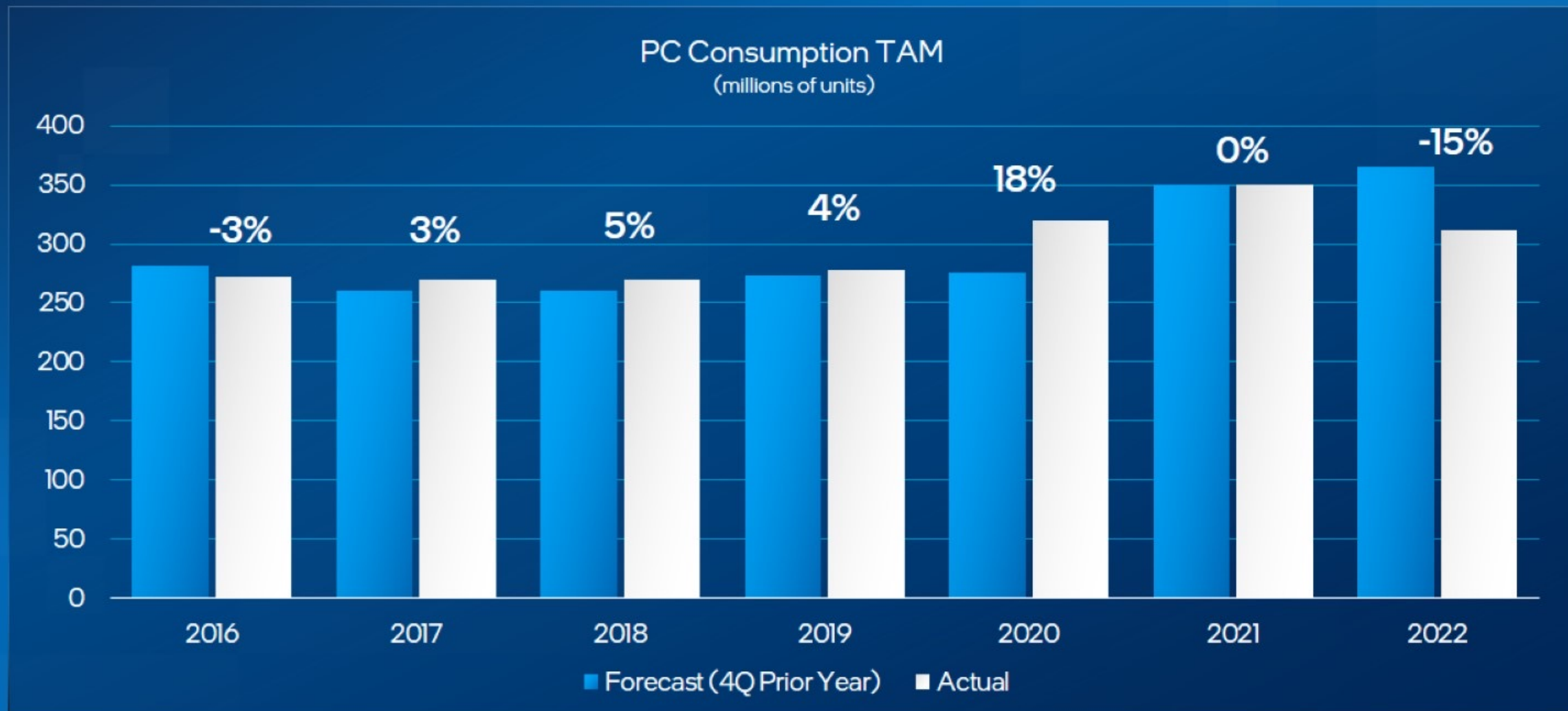
Christoph Schell

Executive Vice President
Chief Commercial Officer
Sales, Marketing and Communications Group

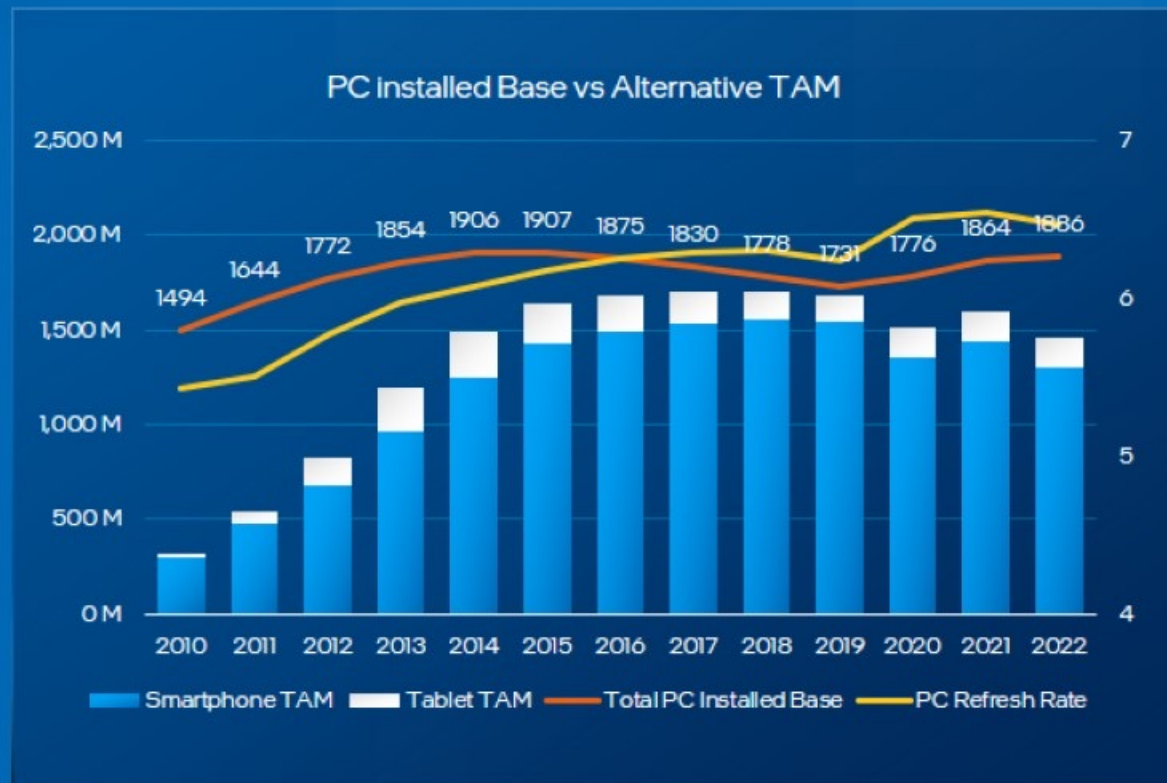
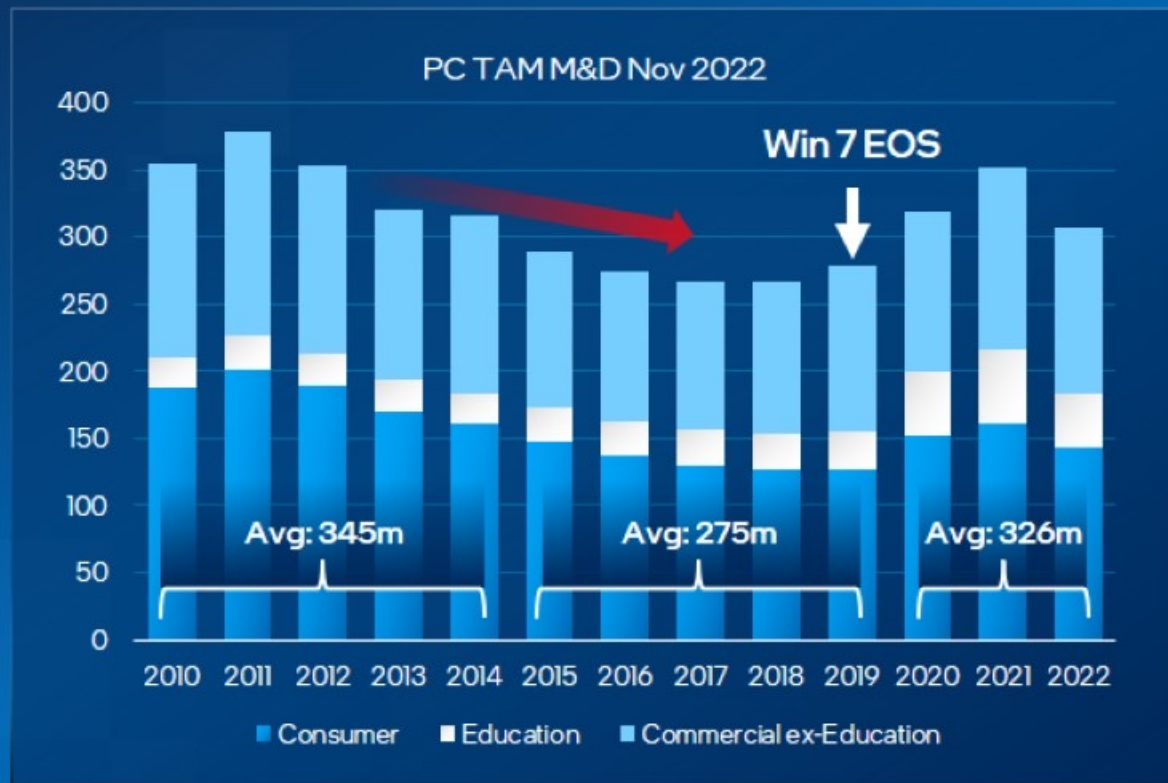


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Intel PC TAM Forecast Accuracy

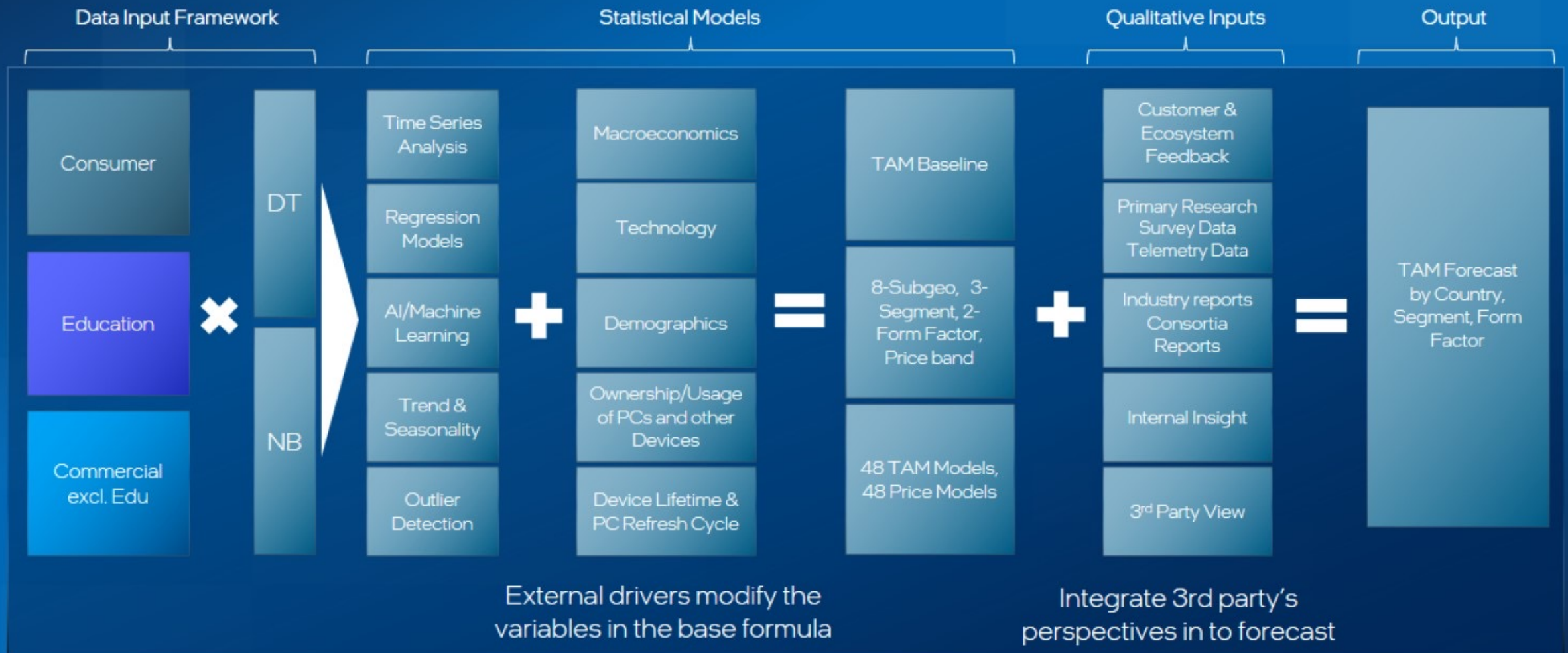


Historical PC TAM



Refresh Rates Stabilized in the 2nd half of 2010s
Usage rates stabilized then grew significantly due to Covid

Driver-Based PC TAM Model Architecture





Long-term PC TAM Expectations:
300m units +/-
2023 TAM 270-295m

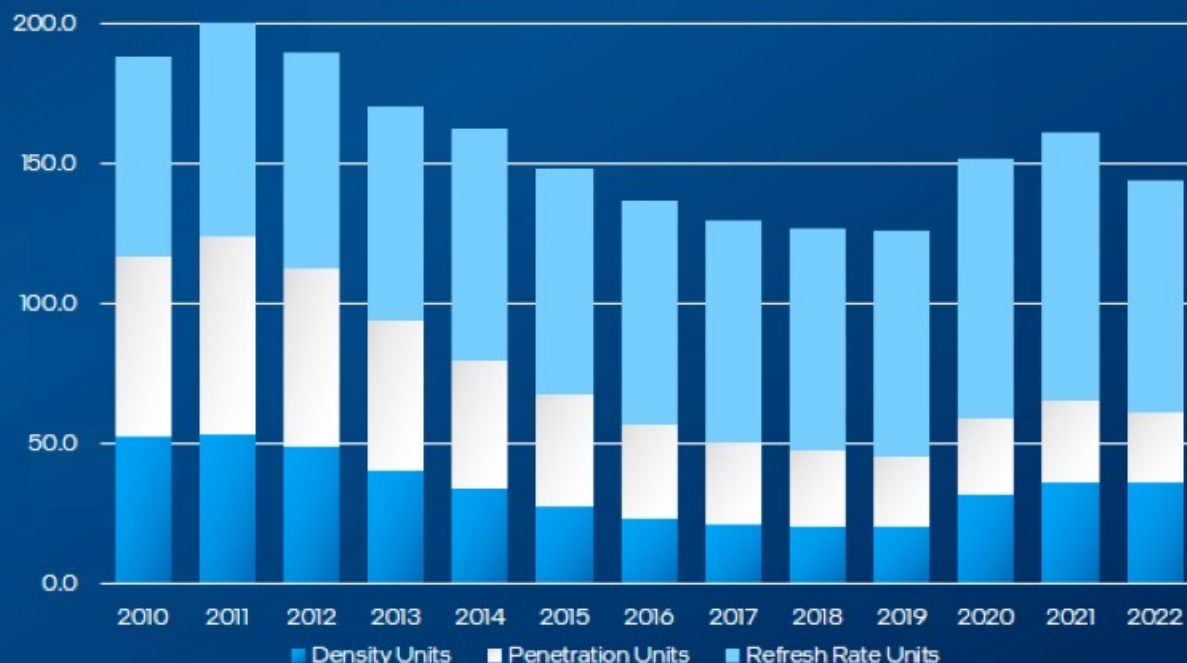
TAM is sustainably 300m units +/-

$$\text{PC TAM} = I/R + N$$

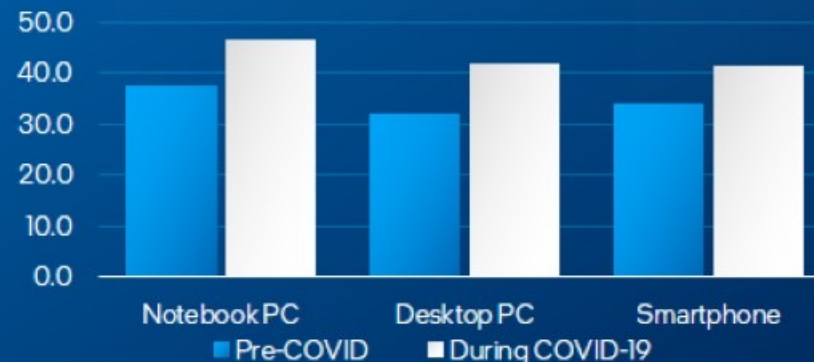
I = installed base; R = refresh rate; N = new placement

Consumer

Consumer PC TAM



Weekly Hours of Usage



Source: IDC Consumer PCD Survey, July/August 2020 n = Notebook PC users: 1,284, Desktop PC users: 953, and Smartphone users: 2,461

Despite the drop in PC shipments during the quarter, Windows continues to see usage growth...on average, Windows 10 and Windows 11 users are spending 8.5% more time on their PCs than they were 2.5 years ago.

Satya Nadella,
Microsoft CEO, 10/25/22



TAM is sustainably 300m units +/-

Commercial



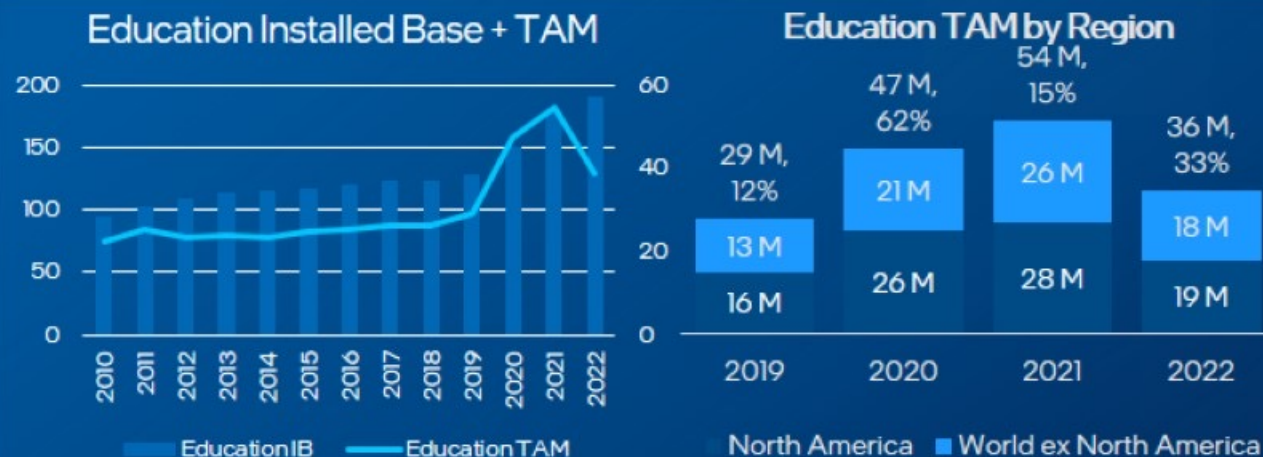
Key variables: Installed base, refresh, GDP, Price

- >200m of commercial installed base > 4 yrs
- ~5 yr refresh rate
- GDP + relative price

Market Dynamics

- OS End of Support
- Hybrid work

Education



Key variables: Installed base, refresh, penetration

- Education installed base 50% larger in 2022 vs 2019
- Commercial-like refresh historically
- More than half education TAM is in North America

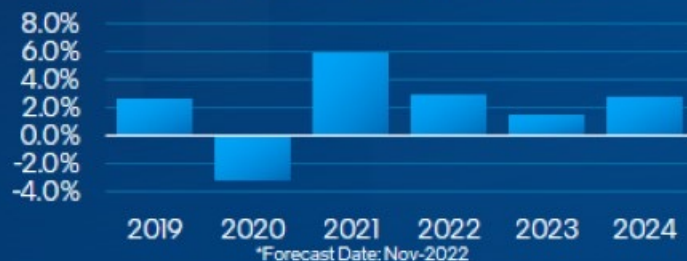
Market Dynamics

- Learn from home
- Classroom PC usage

TAM is sustainably 300m units +/-

Macro Tailwinds

IHS Real GDP Forecast Y/Y % Growth*



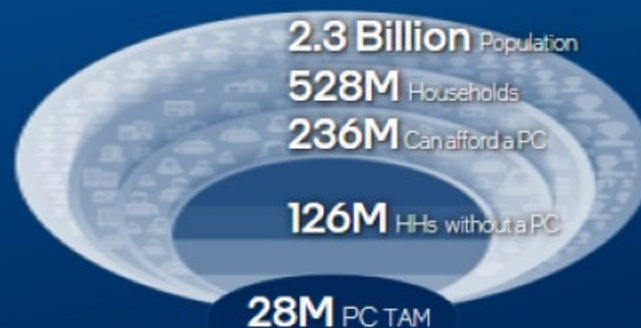
Global growth projected to pick up in 2024 as inflation moderates and monetary policies ease

IHS CPI Forecast (LCU-Based), Y/Y% Growth



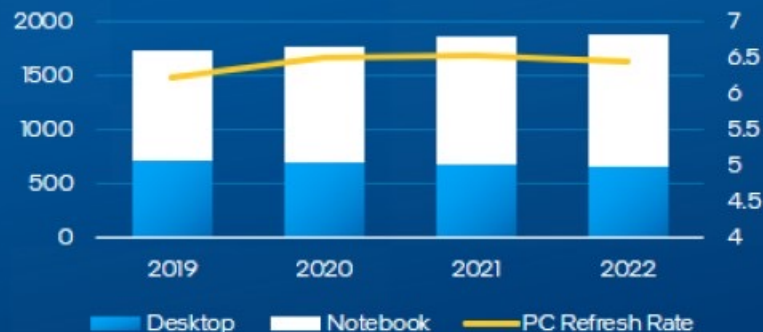
Inflationary pressures persist; expect some easing in 2023 and again in 2024

Asia Pacific Region



Market Tailwinds

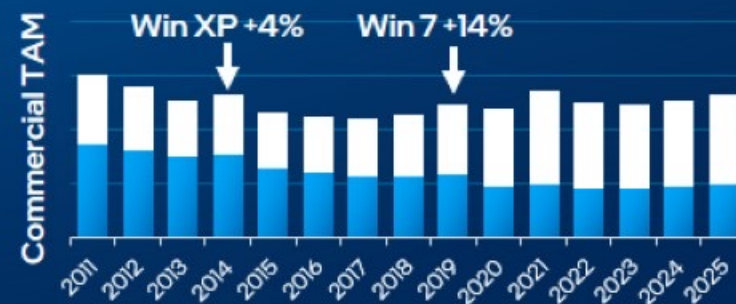
PC Installed Base vs PC Refresh Rate



Usage Stabilized above Pre-Covid

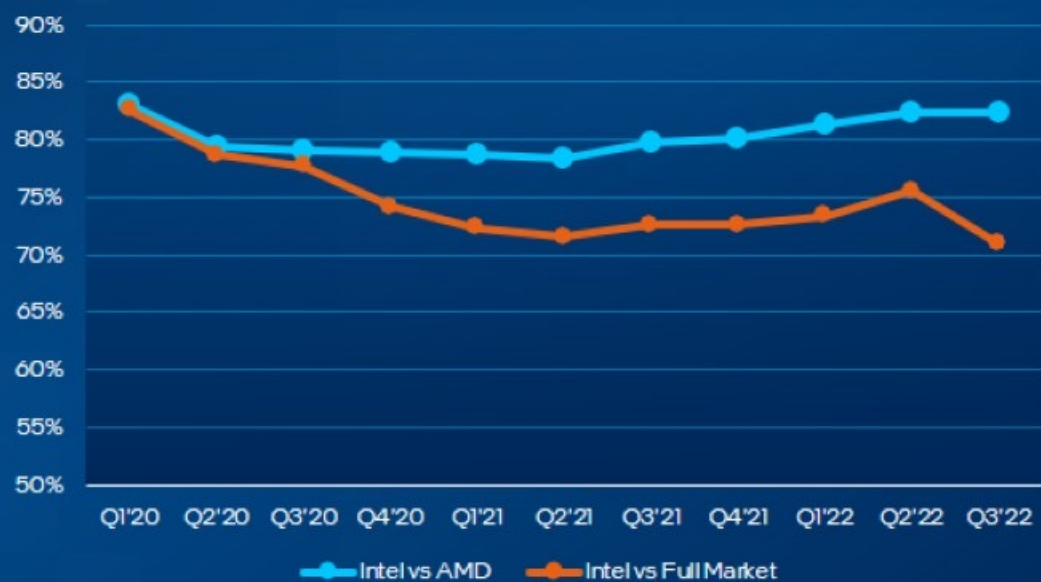
Chromebook usage remains historically high even as the pandemic's most acute impacts diminished.
— *Google, Q3'22*

Windows 10 End of Service

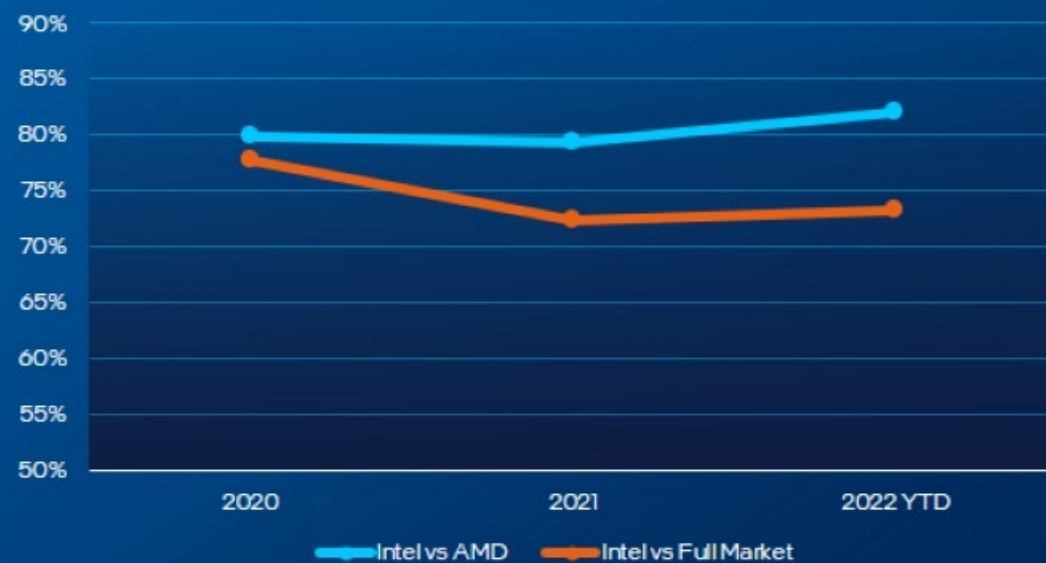


Intel MSS Evolution

Quarterly IDC estimates of PC CPU MSS



Annualized IDC estimates of PC CPU MSS



Michelle Johnston Holthaus

Executive Vice President
General Manager, Client Computing Group



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Our Leadership Roadmap

Accelerated with 5 nodes in 4 years

All product plans and roadmaps are subject to change without notice.



HYBRID

2021 - 2022

Alder Lake & Raptor Lake

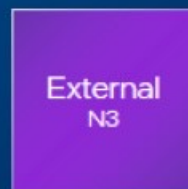


Delivering double digit performance increases

DISAGGREGATED

2023 - 2024

Meteor Lake & Arrow Lake

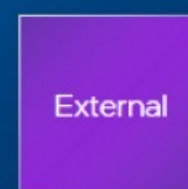


Scaling performance to AI and graphics

ULTRA LOW POWER PERFORMANCE

2024 +

Lunar Lake & Beyond

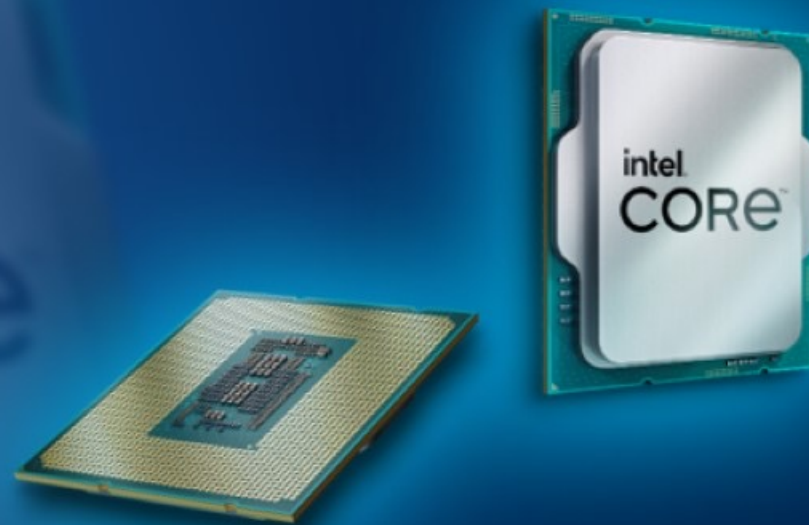


Driving Performance per Watt leadership

Delivering increased performance and capabilities on an annual cadence **intel.**

13th Gen Intel® Core™ Desktop Processors

Codenamed Raptor Lake



Up to 24 Cores

8 performance-cores and
double the amount of
efficient-cores

Up to 5.8 GHz

It's the World's Fastest
Desktop Processor ¹

Up to 15%

Better Single-Threaded Performance²

Up to 41%

Better Multi-Threaded Performance²

¹ At 5.8 GHz, Intel Core i9-13900K is the world's fastest desktop processor (as of December 2022).

² As compared to prior generation. See intel.com/performanceindex for details.

13th Gen Intel® Core™ Mobile Processors

Codenamed Raptor Lake



300+ Designs

Expected from OEMs this year

Up to 5.6 GHz

The highest clock speed available for the laptop market¹

Up to 11%

Faster Single-Threaded Performance²

Up to 49%

Faster Multi-Threaded Performance³

¹ At 5.6GHz, 13th Gen Intel Core i9-13980HX is the fastest mobile processor as of December 2022.² As compared to prior generation.

² As measured by SPECrate®2017_fp_base (1 copy) on 13th Gen Intel® Core™ i9-13950HX processor vs. 12th Gen Intel® Core™ i9-12900HK.

³ As measured by SPECrate®2017_int_base (n copy) on 13th Gen Intel® Core™ i9-13950HX processor vs. 12th Gen Intel® Core™ i9-12900HK.

For all workload and configuration details, see www.intel.com/PerformanceIndex. Results may vary.

*Please note: This slide has been updated following the presentation to reflect updated legal disclaimers.

Our Leadership Roadmap

Accelerated with 5 nodes in 4 years

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HYBRID

2021 - 2022

Alder Lake & Raptor Lake

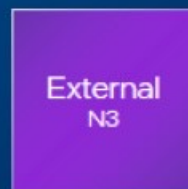


Delivering double digit performance increases

DISAGGREGATED

2023 - 2024

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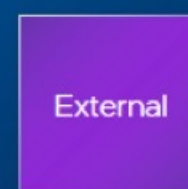


Scaling performance to AI and graphics

ULTRA LOW POWER PERFORMANCE

2024 +

Lunar Lake & Beyond



Driving Performance per Watt leadership

Delivering increased performance and capabilities on an annual cadence

The Power of Our Open Ecosystem

Together, with our partners, we are harnessing the power of an open ecosystem, delivering full and enriching capabilities that provide the best PC experiences for the next decade of computing.

2022 Client Ecosystem Symposium

200+ Companies, 900+ Attendees

13 Tracks & 55 Sessions Spanning:

- Project Athena - Evo
- Commercial & vPro
- Form Factor, Interactive & Display
- Performance & Responsiveness
- Battery Life
- Connectivity
- Engineered for Evo
- Mainstream Next
- Enthusiast (Gaming & Content Creation)
- Cloud Client/Linux
- Modern Desktop & Innovation
- Chrome
- User Experience & AI

Partners:

- Top OEMs and LOEMs
- ODMs
- IHVs
- ISVs

Roles

- Engineers
- Architects
- Business Leaders
- Sales & Marketing
- Execs



Unrivaled Choice

Price Points

Peripherals

Our Experience Innovation

Intel® Evo™ Thin and Light Designs

Key Experiences

Intelligent Collaboration

4 technologies enabling superior video conferencing

AND

Consistent Responsiveness

across 25 most common tasks - More Intensive Workload

AND

9.5+ Hours Real World Battery Life¹

AND

<1 sec. Instant Wake

AND

Fast Charge

4 hours of battery life in 30 min. charge

AND

New Multi-Device Experience



¹ As measured by unique features of Intel Evo designs such as high performing Intel® Core™ CPUs, premium components, unmatched compatibility, and the latest connectivity solutions in sleek innovative designs. All Intel Evo branded designs must meet demanding thresholds for key mobile user experiences like responsiveness and battery life; individual device performance may vary. Details at www.intel.com/performance-evo.

Our Experience Innovation

Intel® Evo™ Designs

Hundreds of Intel Evo-verified thin & light designs

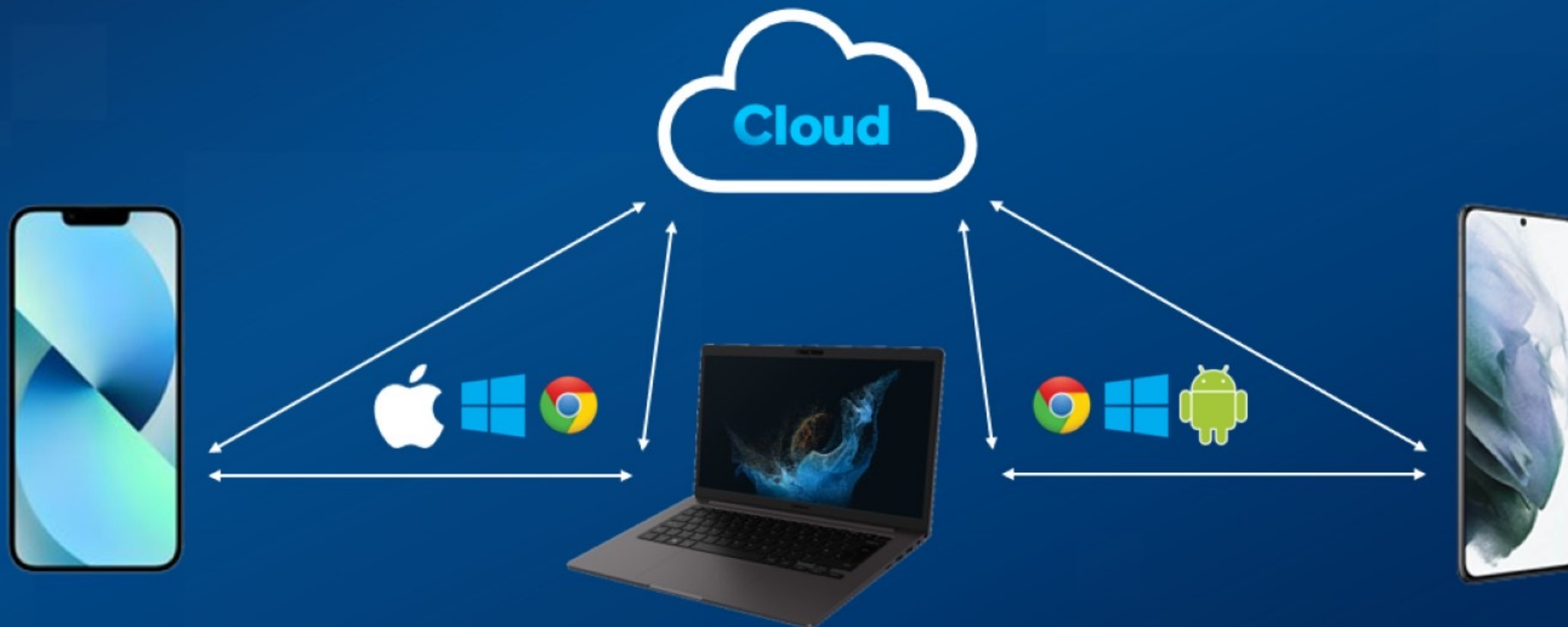
delivered to market from more than 15 OEM partners including Acer, ASUS, Dell, HP, Microsoft and Samsung

Intel Evo designs have nearly double Net Promoter Scores

Compared to similarly price non-Intel Evo laptops



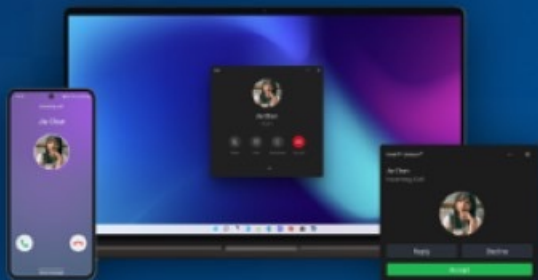
Intel® Unison™ Promotes an Open Ecosystem



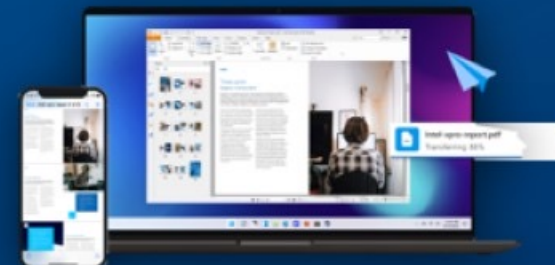
Intel® Unison™ solution is currently only available on eligible Intel® Evo™ designs on Windows-based PCs powered by 12th Gen or newer Intel Core and only pairs with Android- or iOS-based phones; all devices must run a supported OS version. See [intel.com/performance-evo](https://www.intel.com/performance-evo) for details. Other names and brands may be claimed as the property of others.

Intel® Unison™ Features & Capabilities

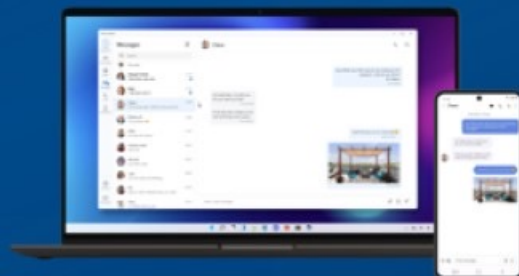
Phone Calls



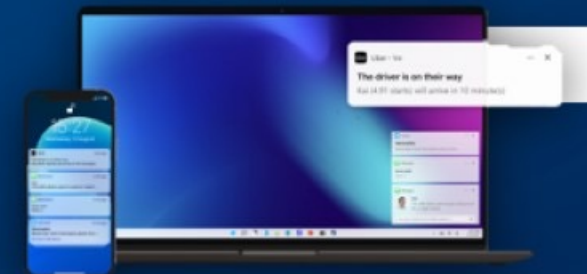
File & Photo Sharing



Messages



Notifications



Intel® Unison™ solution is currently only available on eligible Intel® Evo™ designs on Windows-based PCs powered by 12th Gen or newer Intel Core and only pairs with Android- or iOS-based phones; all devices must run a supported OS version. See intel.com/performance-evo for details. Other names and brands may be claimed as the property of others.

The Commercial Leader: Built for Business

Intel vPro® Platform



Intel vPro is the mainstay of
over 80%
of enterprises around the globe



Businesses can experience
up to a 198%
ROI when using Intel vPro¹



Businesses who use Intel vPro experience
28% fewer
material breaches, saving millions of dollars annually¹



¹ A Forrester Total Economic Impact™ Study Commissioned By Intel, January 2021 <https://tools.totaleconomicimpact.com/go/intel/vproplatform0/>
All versions of the Intel vPro® platform require an eligible Intel® Core™ processor, a supported operating system, Intel LAN and/or WLAN silicon, firmware enhancements, and other hardware and software necessary to deliver the manageability use cases, security features, system performance and stability that define the platform. See intel.com/performance-vpro for details.

A microscopic view of a multi-chip module (MCM) showing a grid of numerous integrated circuits. Each chip is a different color, including shades of blue, green, yellow, orange, and purple. The chips are interconnected by a complex network of fine, gold-colored wires. A semi-transparent blue rectangular overlay covers the center of the image, serving as a background for the text.

Next Intel vPro® Platform

launching in the coming months

Intel vPro® + CrowdStrike

Together, Intel and CrowdStrike have co-engineered two hardware-enabled security capabilities for Intel platforms. The combination of world-class technologies and expertise deliver advanced threat detection and response capabilities to help protect against the most common cyber attacks to memory.



Driving Innovative Experiences Through Platforms



Why Intel Wins



Large and
growing TAM



Leadership products
& platform experiences



Vibrant OPEN ecosystem
driving innovation and best
PC experiences

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QnA



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