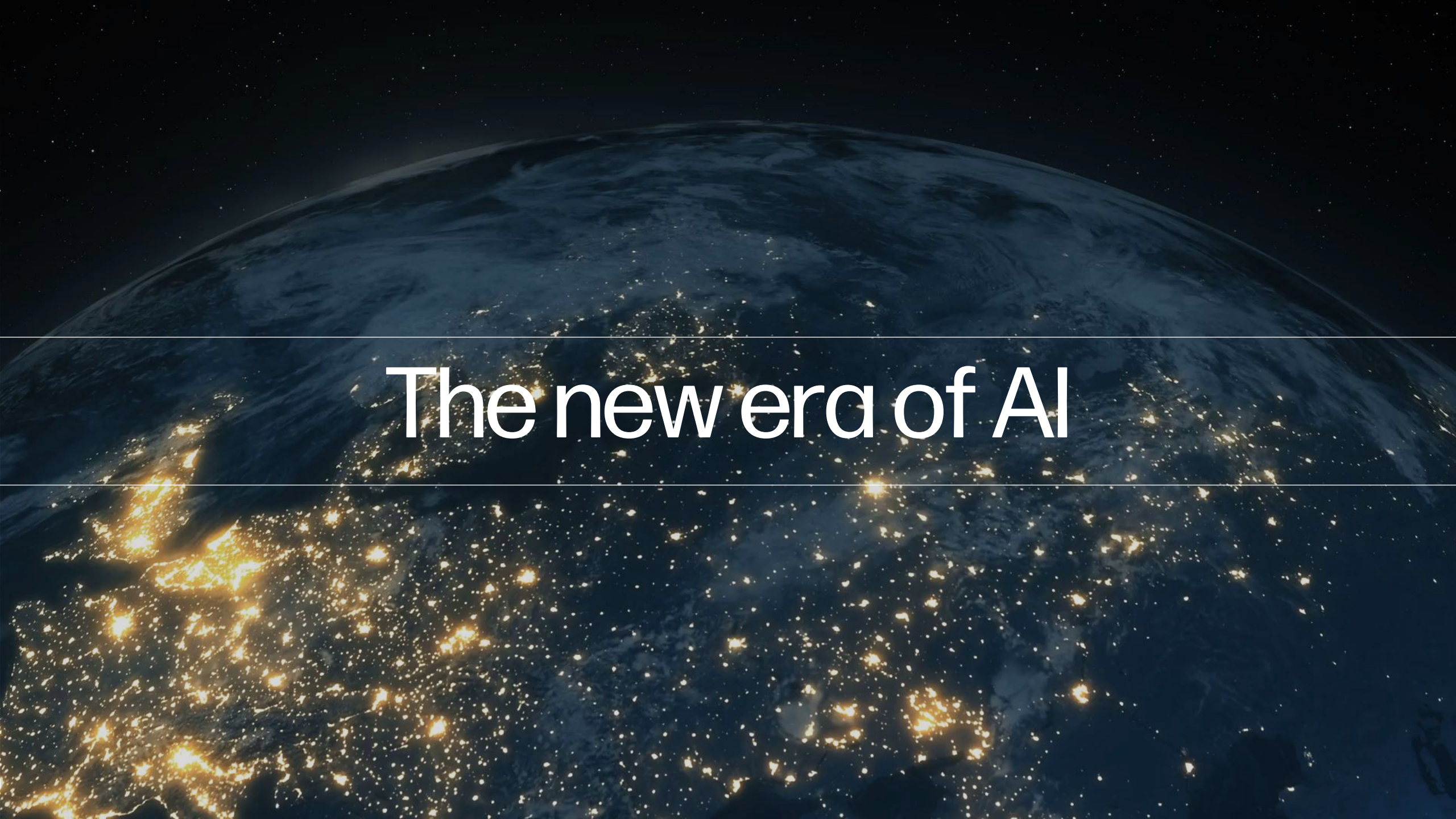
KI Lösungen für den modernen Arbeitsplatz

Christian Richter

Infotechday, Geinberg, 19.11.2024


The new era of AI

Rate of disruptive technology adoption

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Source: 2024 Work Trend Index Annual Report from Microsoft and LinkedIn

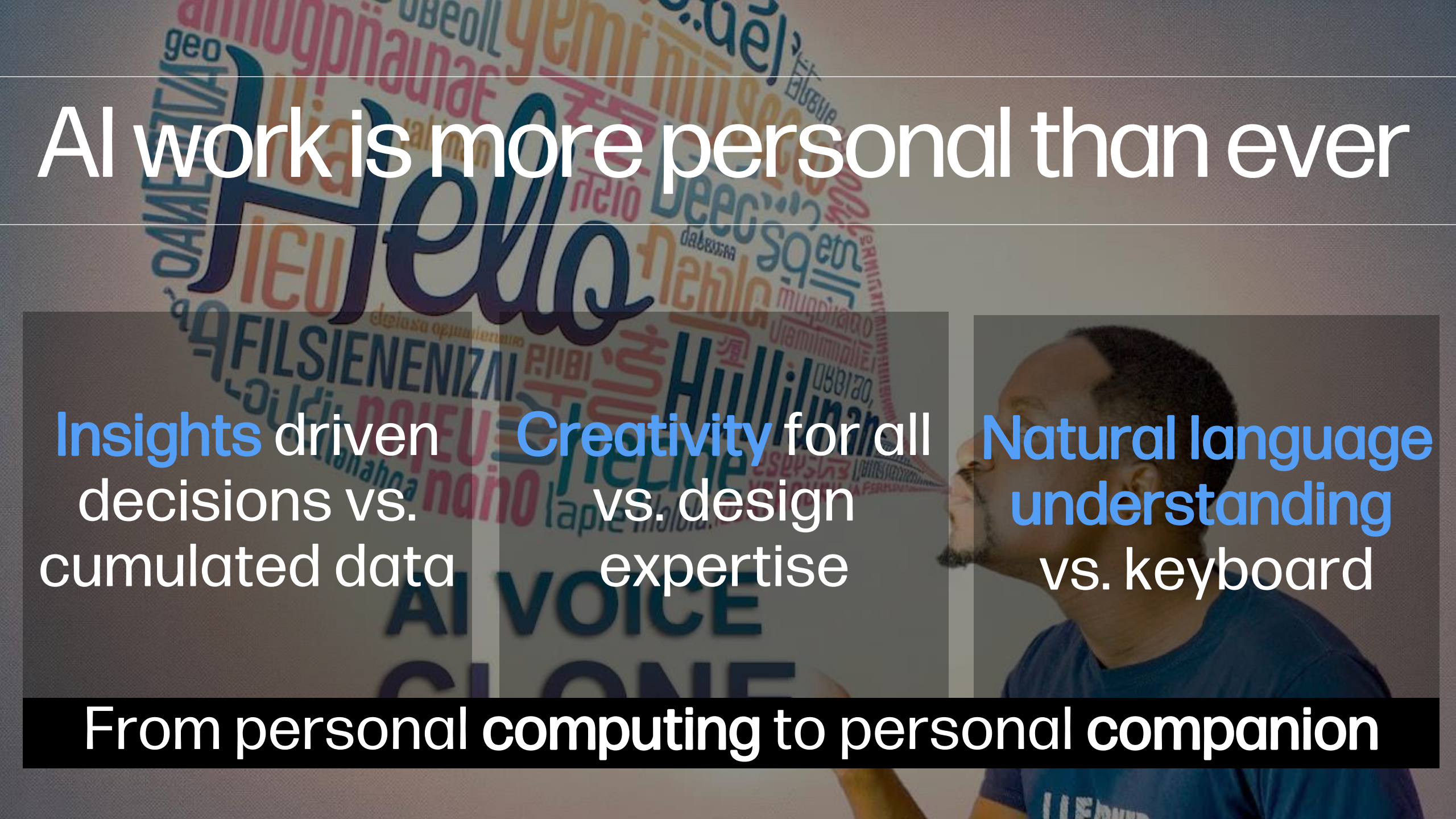
Source: 2024 Work Trend Index Annual Report from Microsoft and LinkedIn

AI work is more personal than ever

Insights driven decisions vs. cumulated data

Creativity for all vs. design expertise

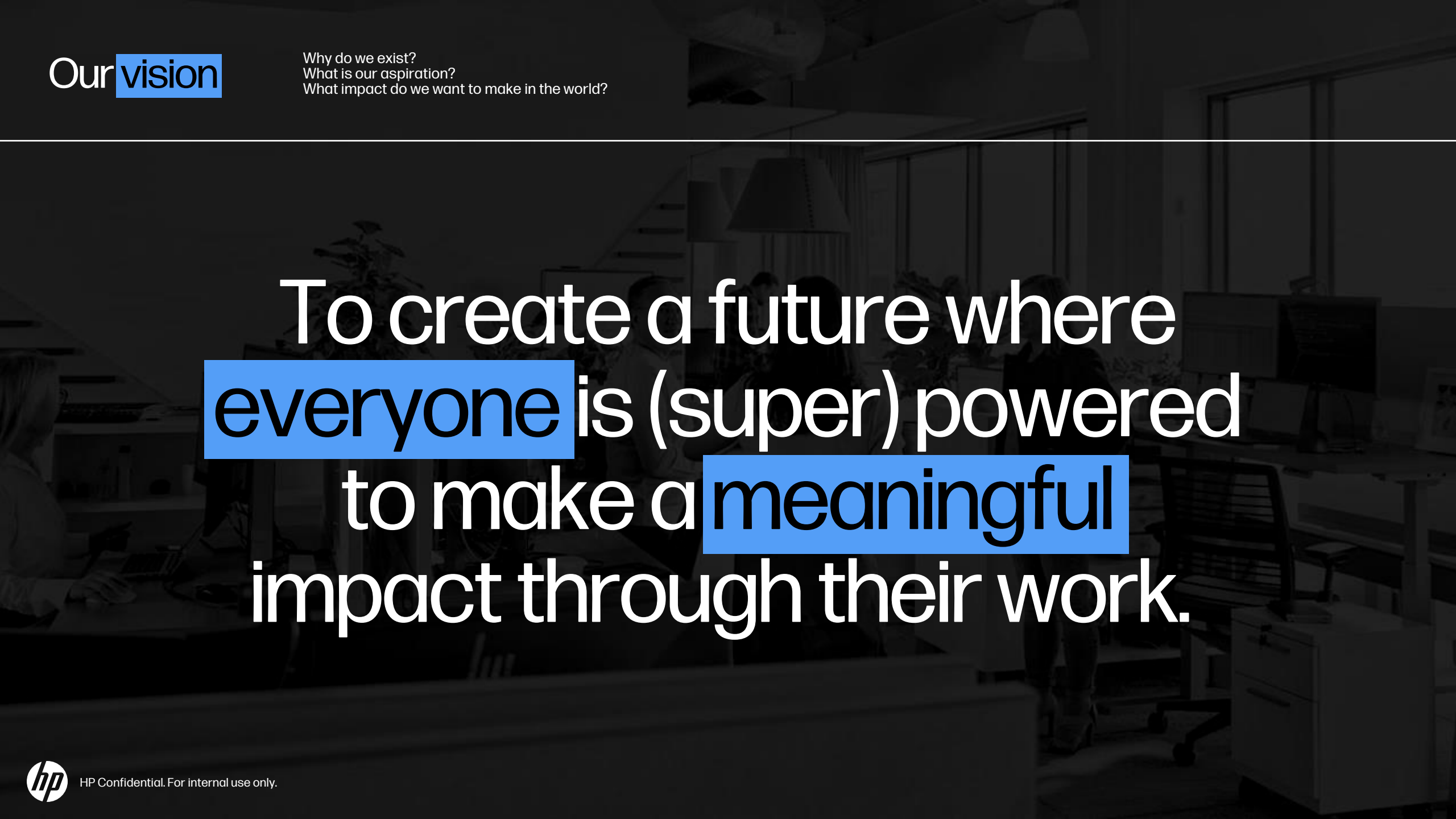
Natural language understanding vs. keyboard



From personal **computing** to personal **companion**

Our vision

Why do we exist?
What is our aspiration?
What impact do we want to make in the world?



To create a future where everyone is (super) powered to make a meaningful impact through their work.

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HP strategy Capitalizing on AI

1 AI FOR **COMPANIES**

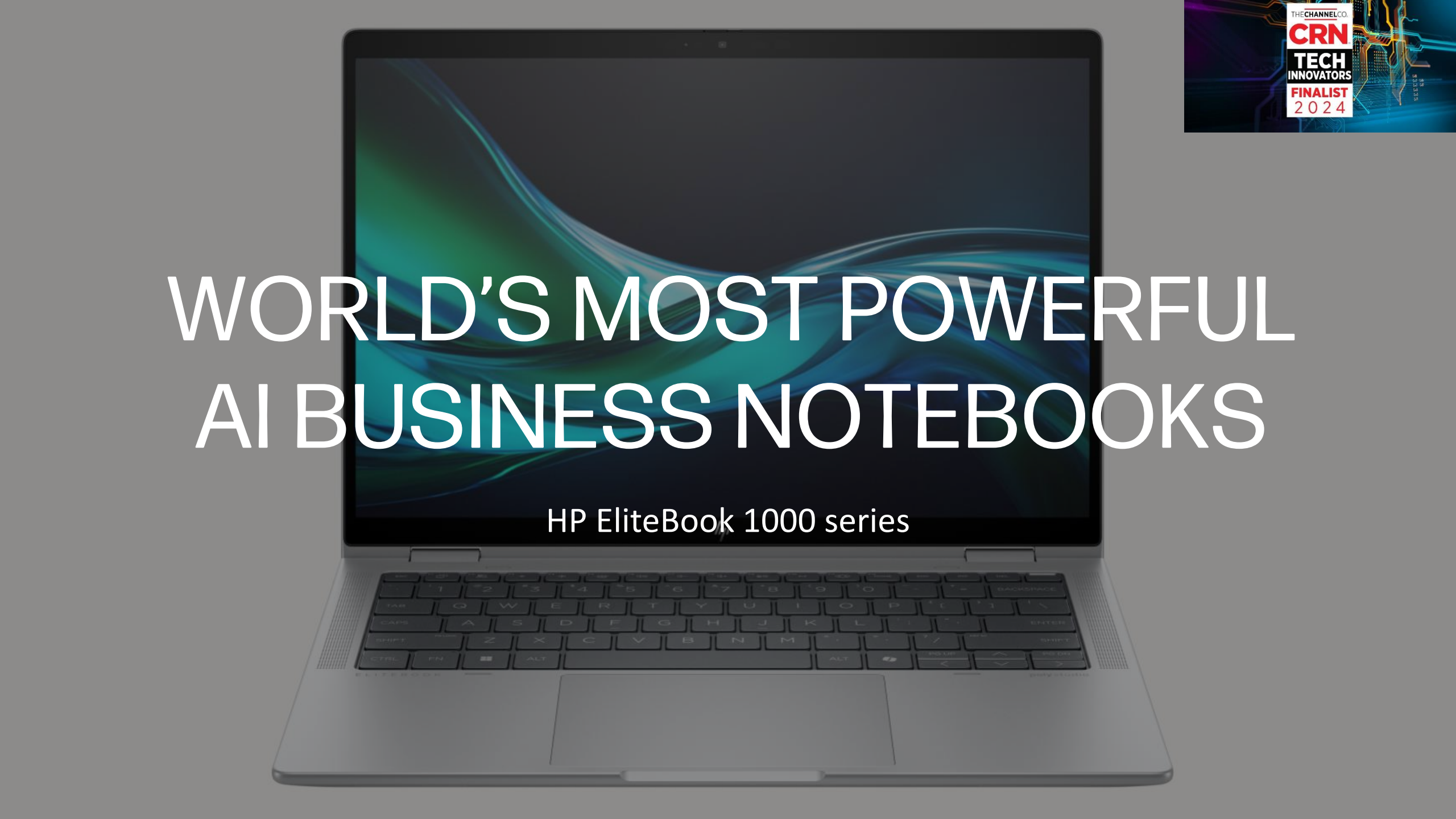
Deploying and tuning LLMs with AI SW libraries and WKS
and
Managing employee PC experience with Workspace Experience platform

2 AI FOR **PLACES**

Reimagining the places and spaces where work gets done with Poly Rooms & Peripherals

3 AI FOR **PEOPLE**

Empowering people to thrive in work and life by enabling secure local inferencing with HP AI PC & AI solution's



WORLD'S MOST POWERFUL AI BUSINESS NOTEBOOKS

HP EliteBook 1000 series

HP's AI makes you look and sound better than ever

- **HP Poly Studio** audio tuning for crystal-clear meetings
- NPU-powered **Windows Studio Effects**[13] for **real-time AI enhancements**

Background effects such as background blur

Eye contact compensates for eyes looking at the screen instead of the camera

Automatic framing automatically zooms and crops as you move around

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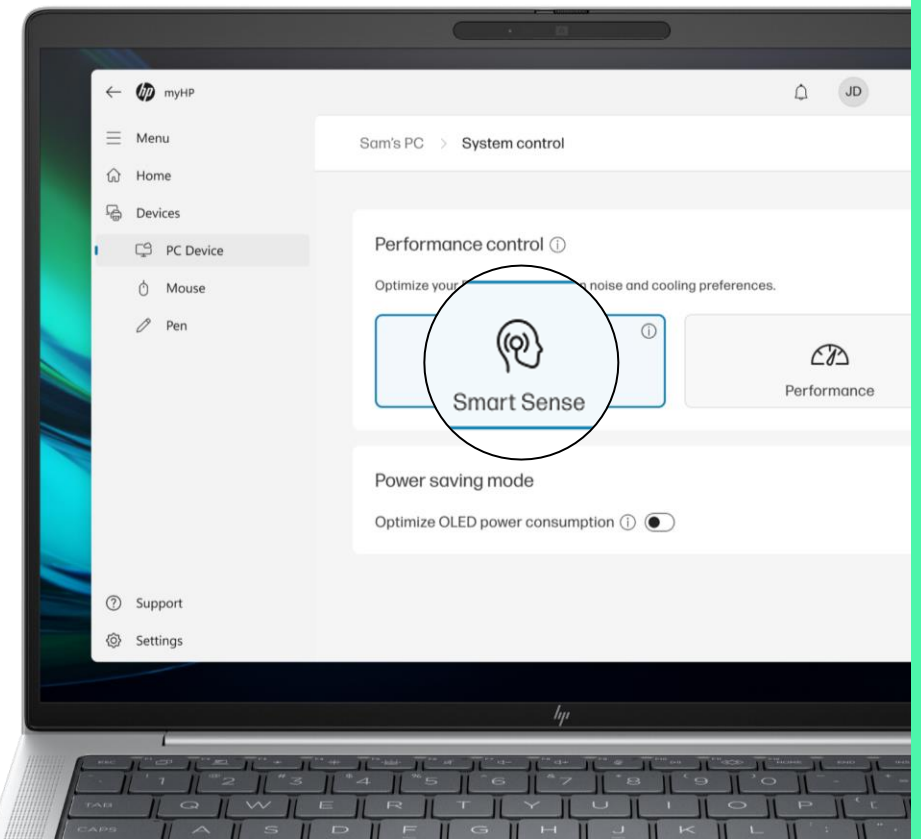
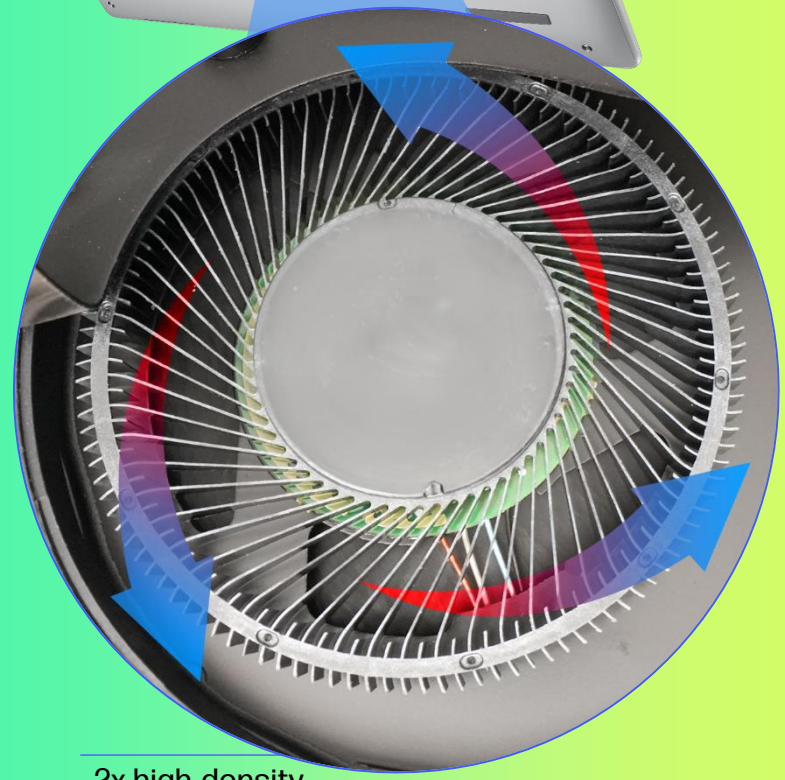
HP's AI transforms the power of your PC

With HP Smart Sense[9]

Up to
40% quieter[7]

At least
40% improved performance[8]





2x high-density turbo fans

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HP's AI thinks about your battery, so you don't have to

- **Manage battery performance** with AI-enabled Battery Health Manager now in myHP[10]
- AI optimizes your battery life around your work schedule with **Intelligent Hibernate**[11]
- Hands-free logging in and locking out with **Instant On + Auto Lock and Awake**[12]

Up to **21 hours** battery life[19]

Up to **29 hours** video playback battery life[22]

HP Confidential. For HP or Partner internal training purposes only.

World's first business PCs to protect firmware against quantum computer hacks.[5]

HP WOLF SECURITY

HP Endpoint Security Controller[6]

A physically isolated, dedicated security microprocessor that protects the BIOS.

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What does it mean for me?

1

More performance

to drive local model inferencing through NPU

2

More personalization

to optimize your device for the way you work

3

More security

to protect from not yet identified malware threats

THE HP AI HELIX

Next-Gen AI Compute

Next-generation devices designed specially for AI

Copilot

AI is a journey… that starts today

HP EliteBook X G1a

12-core G1a
14“ diagonal clamshell

HP EliteBook Ultra G1q
12-core

HP EliteBook Ultra G1q8
8-core

HP introduces first commercial AI PC Portfolio

- Business laptops enhanced by AI
- **14 AI PC models** from the 400 to 1000 G11 series[9]

intel

AI PCs <40 TOPS NPU[8, 10]

X Series

For tech-forward innovative thinkers who push the envelope and need ultimate power, performance, and security.

Ultra Series

Intentionally designed to optimize the use of AI, enabling innovators to thrive in the new era of AI

Qualcomm

Next-Gen AI PCs with 40+ TOPS NPU[8, 10]

Copilot+PC[7]

AI Companion[11]

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Built to be long-lasting

Built to manage anywhere

Business-ready next-gen AI PC

HP EliteBook Ultra G1q

Built to be enterprise secure

Built to stand out in style

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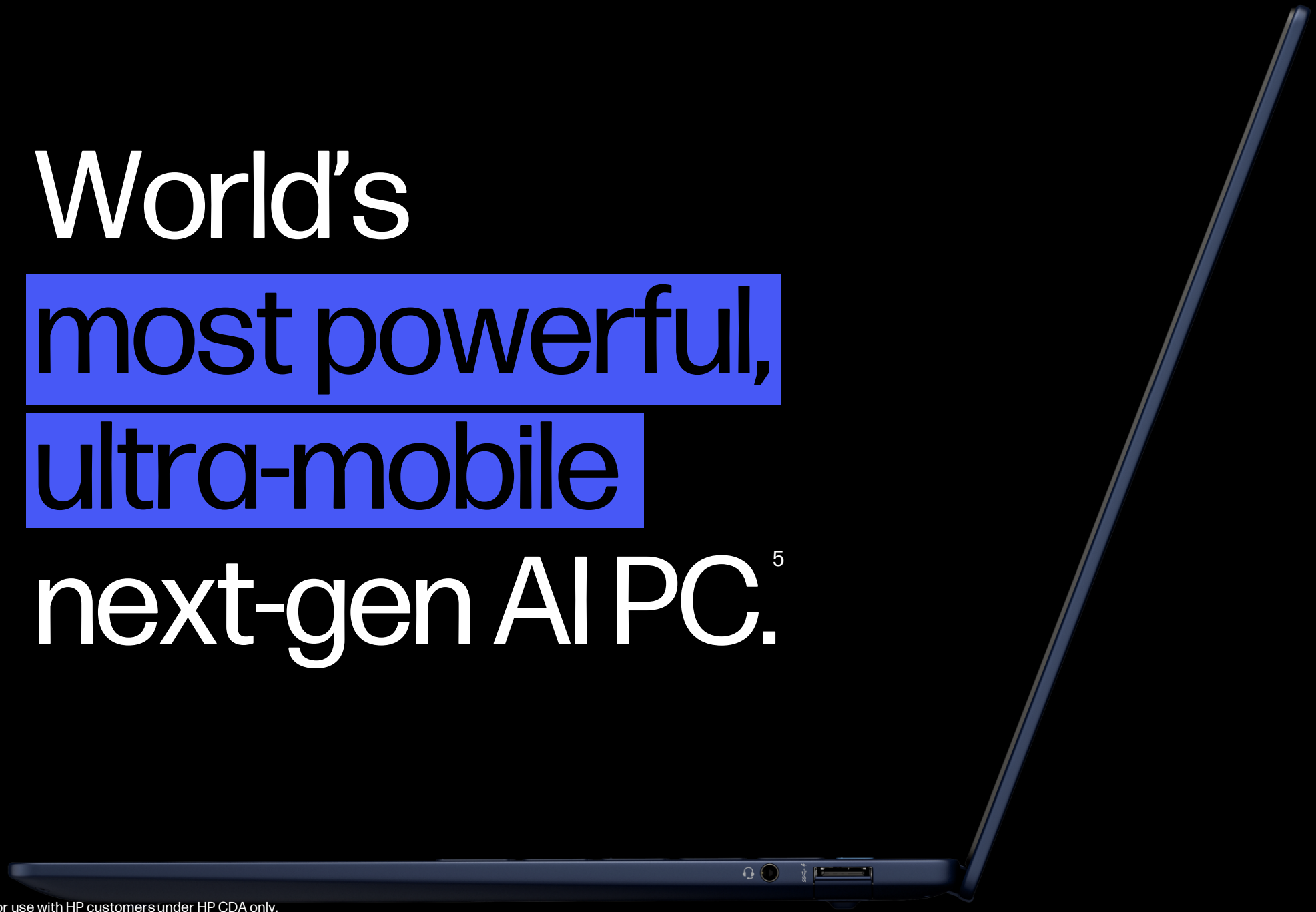
World's most powerful, ultra-mobile next-gen AI PC.[5]



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Product highlights

HP EliteBook Ultra G1q8
HP EliteBook Ultra G1q

Work inspired from anywhere with a PC designed to optimize the potential of AI.

Productivity

- **Qualcomm® Snapdragon®** X Elite Platform 12-core CPU[3,23], or **Qualcomm® Snapdragon®** X Plus Platform 8-core CPU[3,23]
- **Take on AI workloads faster** with 45 TOPS NPU[23]
- **Personalize your AI experience** by asking it to use your personal files for quick answers and generative AI content with HP AI Companion[38]
- **16GB LPDDR5x** Memory on 8-core or up to **32GB LPDDR5x** on 12-core[22]
- **Enjoy an ample view** with a 2.2k (2240x1400) WLED low blue light touch display[5]
- **Lower power consumption with max performance** in a 59Whr[6] battery

Security

- Browse the web with confidence while protected by **HP Wolf Pro Security NGAV**[12]
- Chip-to-cloud security with a **Microsoft Secure Core PC**[24] that includes **Microsoft Pluton** Security
- **Seamlessly lock PC** when you walk away with Microsoft Presence Sensing[32]

Design

- **Built for mobility** at 14.4mm max height[52] & under 3lbs[7]
- One-touch keyboard access to **Microsoft Copilot**[8]
- **Work with ease** on a large keyboard and clickpad
- New hinge design for **optimal thermal ventilation**
- From PC to packaging, **built with sustainability in mind**
- **Optional** touch or non-touch on 8-core[5]

Collaboration

- **Real time AI powered video optimization** with Poly Camera Pro[11,40]
- **5MP + IR** camera that delivers a professionally tuned image to show true colors in high resolution
- **Fast internet speeds** with Wi-Fi 6E[9] or Wi-Fi 7[10]

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Charge forward while charging less

HP EliteBook Ultra G1q 14 inch Notebook AI PC

- **27** hours of local video playback[59]
- **22** hours of Netflix streaming[60]
- **20** hours of web browsing[61]
- **12** hours of Teams 3x3 video calls[62]

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The world's most sustainable PC portfolio welcomes Next Gen AI PCs.

Covers made from

50% recycled aluminum[25, 47]

Keycaps made with

50% recycled plastic[26, 47]

Speakerbox made with

5% ocean-bound plastic[46]

100% sustainably sourced packaging[17]

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Durable construction

Built to last

Undergoes 19 — MIL-STD 810H tests[18]

120k Hours — HP Total Test Process[30]

The real challenge of building thin, light, and powerful is to remember where this device will be used: in a mobile environment.

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World's most powerful Next Gen AI business notebook[98]

HP EliteBook X G1a

Actual product may vary from product depicted.

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Reclaim your day

Turn days into hours, and noise into focus.

EXCLUSIVE TO HP

HP and AMD deliver a powerful AMD Ryzen™ Pro processor[1]

capable of up to

55,000,000,000,000

operations per second (TOPS)[49]

AMD RYZEN AI

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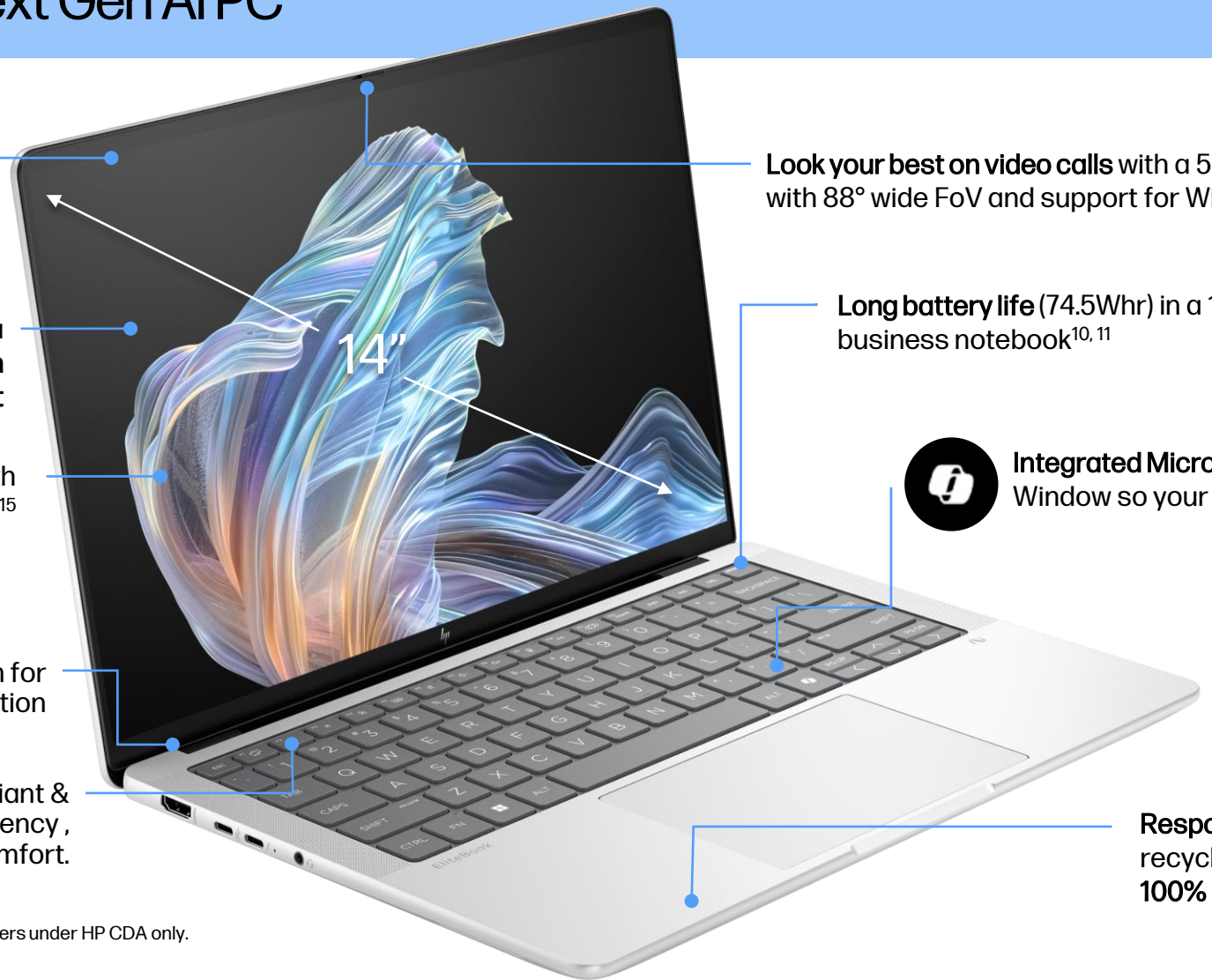
Product walkaround

Weight[14]
3.3 lbs
1.497 kg

Dimensions
312.2 mm (W) x 214.65 mm (D) x 9.22mm (front)/13.16mm (rear).

Maximum height 18.3mm

HP EliteBook X G1a Next Gen AI PC



Elite power and performance with AMD Ryzen AI processor and up to **55 TOPS NPU**[6, 7]

Comfortable viewing with a 14” diagonal, 16:10 **touch screen (option)** display[8] with **low blue light**

Stay protected with **HP Wolf Security**[15]

New hinge design for optimal thermal ventilation

Large keys and GS mark compliant & clickpad increase efficiency , productivity & comfort.

Look your best on video calls with a 5MP IR camera with 88° wide FoV and support for Windows Hello.

Long battery life (74.5Whr) in a 14” business notebook[10, 11]

Integrated Microsoft Copilot[12] **key** opens the prompt Window so your AI assistant is at your fingertips

Responsibly crafted with up to 80% recycled aluminum in the enclosure[17]. **100% recycled material** in the packaging.

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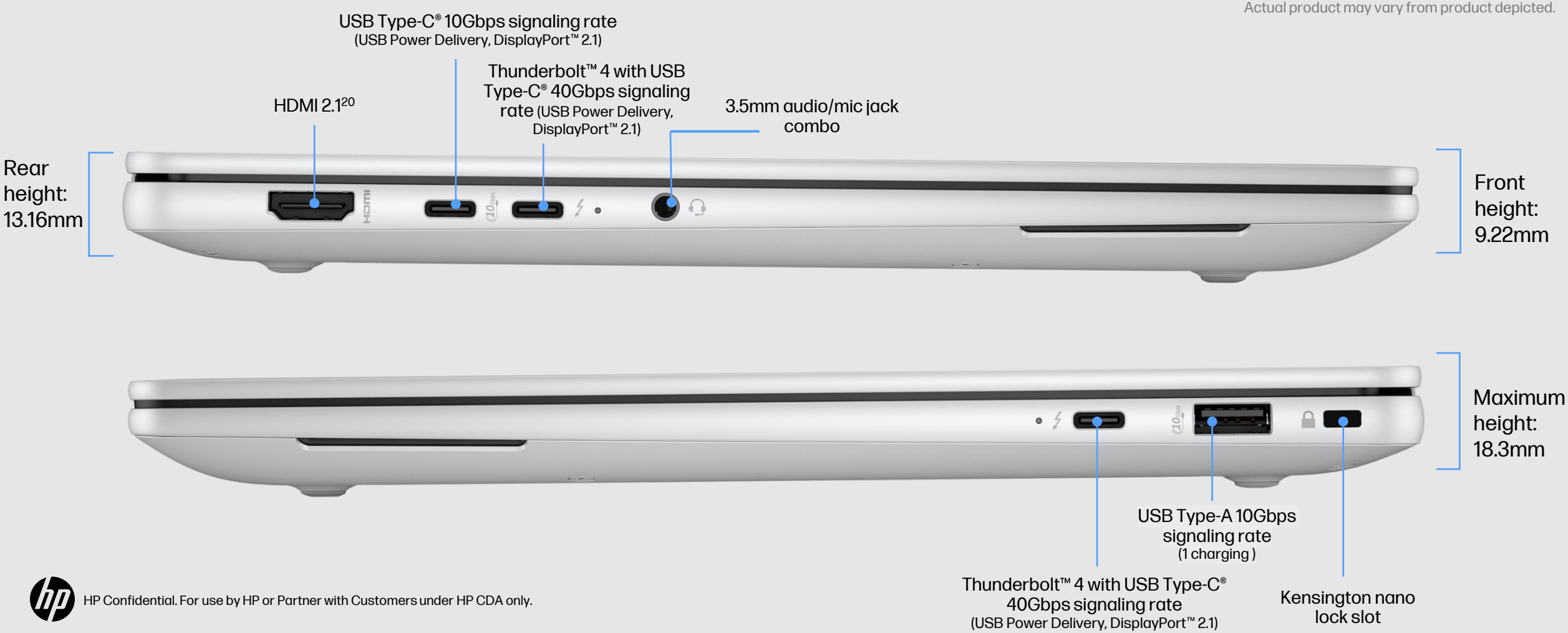
Clean and simple port configuration

HP EliteBook X G1a Next Gen AI PC

Actual product may vary from product depicted.



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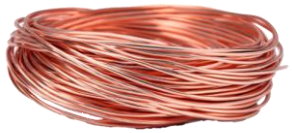
The world's most sustainable PC portfolio welcomes Next Gen AI PCs.

EPEAT® Climate+ Gold Registered in US[43]

63

HP EliteBook X G1a 14 inch Next Gen AI PC

NEW Recycled material innovation



Heat plate made with

50% recycled copper[17]

Covers made with up to

80% recycled aluminum[17]

Keycaps made with up to

50% recycled plastic[60]

Speakerbox made with

30% ocean-bound plastic[52]

Bezels made with at least

20% recycled cooking oil[59]

100% sustainably sourced packaging[16]

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Durable construction

Built to last

Undergoes 19 — MIL-STD 810H tests[61]

120k Hours — HP Total Test Process[62]

The real challenge of building thin, light, and powerful is to remember where this device will be used: in a mobile environment.

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Onboard AI unleashes a

New Era of PC Experiences

Powerful new capabilities for software providers

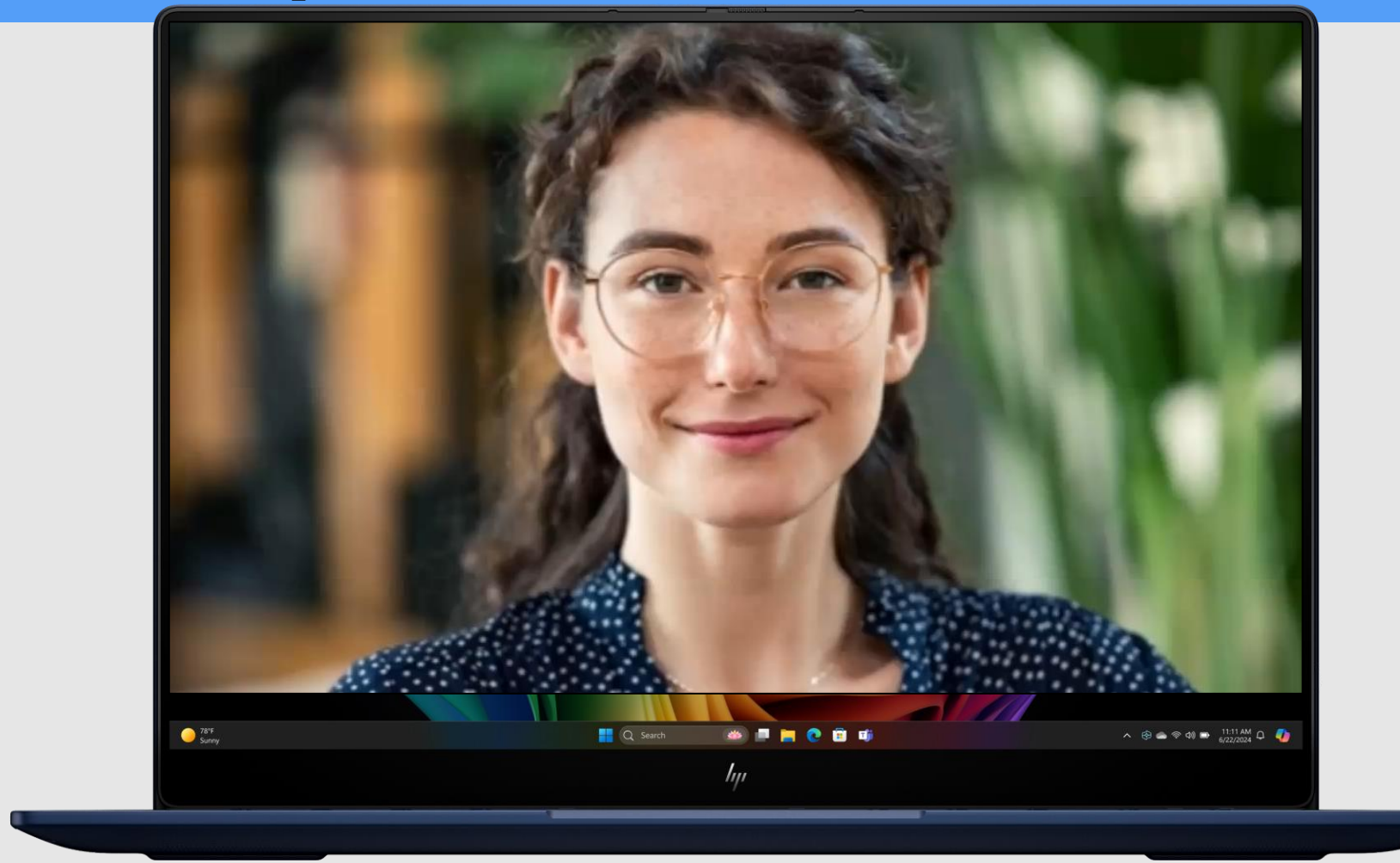
40+ AI Local Models in **Microsoft Copilot Runtime**
100+ New Available AI Models **Optimized for Qualcomm**

Incredibly Fast AI Experiences

Fast Stable Diffusion in <1 second

Personal and Private as local data stays local

All Day Battery Life & Performance even when using multiple AI features



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Amplified with HP AI

New HP AI-powered solutions

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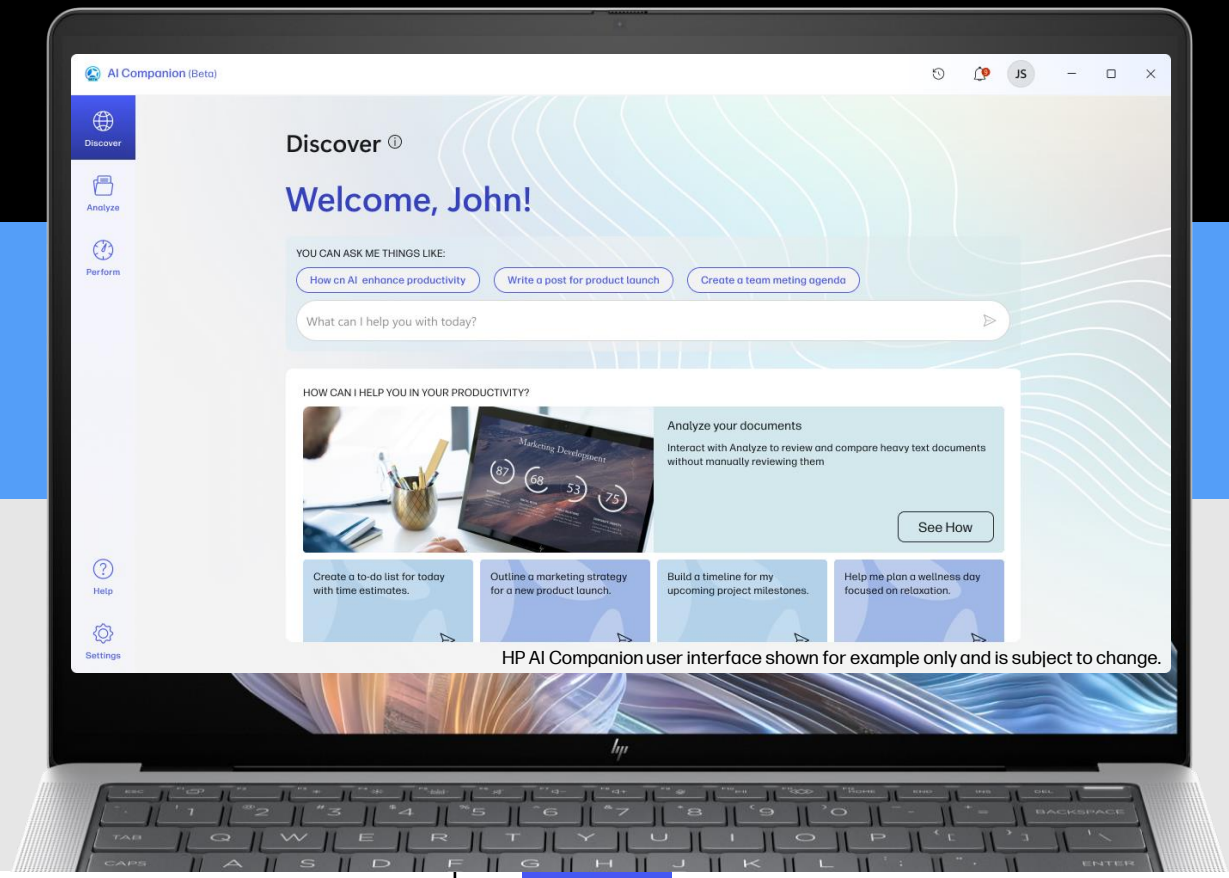
AI Companion

AI at your fingertips

Your personal built-in AI Companion[11] elevates everyday tasks to keep you performing your best.



HP AI Companion user interface shown for example only and is subject to change.

Discover

Ask, discover, and get intelligent assistance

Analyze

Analyze and query your personal files

Perform NEW

Perform at your best with an HP settings and support assistant[12]

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