



Technology Update 2025

Presented by: David M. Cieslak, CPA.CITP, CGMA, GSEC



Meet Your Presenter



David M. Cieslak, CPA.CITP, CGMA, GSEC

RKL eSolutions, LLC - EVP, Chief Cloud Officer

- Frequent speaker for AICPA, CalCPA and numerous accounting industry groups and conferences
- Named one of Accounting Today's 100 Most Influential People in Accounting 22 times
- CPA Practice Advisor – 2011-25 “Top 25 Thought Leader,” Hall of Fame Inductee – 2020
- LA Business Journal Top 100 Accountant - 2022
- AKA “Inspector Gadget”



rkl eSOLUTIONS (www.rklesolutions.com)

- Helping small and mid-sized organizations transform their finance and accounting department
- ERP sales and consulting for 25 years
- 100+ employees in 22 states
- Sage Intacct awards
 - Rookie of the Year (2012)
 - President's Club (2014, 2015, 2017, 2019-2020)
 - Momentum Partner (2015)
 - Premier Partner (2015 – 2024)

sage Intacct
Premier Partner

Key Facts About RKL eSolutions, LLC

OVER **2800**
Sage Clients Nationwide

23 YEARS
Serving our Customers

50 STATES
with Sage Customers



 **115** Colleagues
Nationwide

AWARD-WINNING EXPERTISE



Agenda

- Themes / Drivers
- Device tech
- Companies
- Gadgets
- Robotics



Themes / Drivers

Artificial Intelligence: Developments & Implications



VISICALC™

C11 <L> TOTAL C1 25

A	B	C	D
ITEM	NO.	UNIT	COST
MUCK RAKE	43	12.95	556.85
BUZZ CUT	15	6.75	101.25
TOE TONER	250	49.95	12487.50
EYE SNUFF	2	4.95	9.90
SUBTOTAL			13155.50
9.75% TAX			1282.66
TOTAL			14438.16



http://www.

The image features a central square chip with the letters 'AI' in a glowing, white, sans-serif font. The chip is surrounded by a complex network of glowing blue and purple circuit lines that radiate outwards, creating a sense of digital connectivity and data flow. The background is a gradient of dark blue and purple, enhancing the futuristic and technological theme.

AI

 Claude


ChatGPT

 OpenAI


Gemini

 deepseek

RPA

'I follow instructions exactly'

RPA is the **task automation** that eliminates manual effort wasted on repetitive tasks

Key Characteristics:

- Executes structured, rule-based processes
- Performs repetitive digital tasks
- Operates within defined system boundaries
- Follows exact step-by-step procedures

GenAI

'I can create based on prompts'

GenAI is a **productivity amplifier** that accelerates creative and analytical work that bottlenecks humans

Key Characteristics:

- Assists with specific tasks (writing, analysis, coding)
- Requires human direction and oversight
- Improves individual productivity
- Works within existing job roles

Agentic AI

'I can understand goals and figure out how to achieve them'

Agentic AI is a **collaborative actor** that removes the need for constant human oversight of complex processes

Key Characteristics:

- Acts as virtual coworker completing end-to-end processes
- Self-directs and coordinates multiple tasks
- Transforms entire workflows
- Creates new organizational paradigms

Artificial general intelligence (AGI)

'I can think, reason, and learn like a human in any domain'

AGI is a **self-directed intelligence** that overcomes human cognitive limitations across all domains

Key Characteristics:

- General problem-solving ability across domains
- Autonomous learning and adaptation
- Human-level reasoning and understanding
- Transfer learning between different types of tasks
- Self-improvement capabilities

Artificial super intelligence (ASI)

'I can outperform human intelligence'

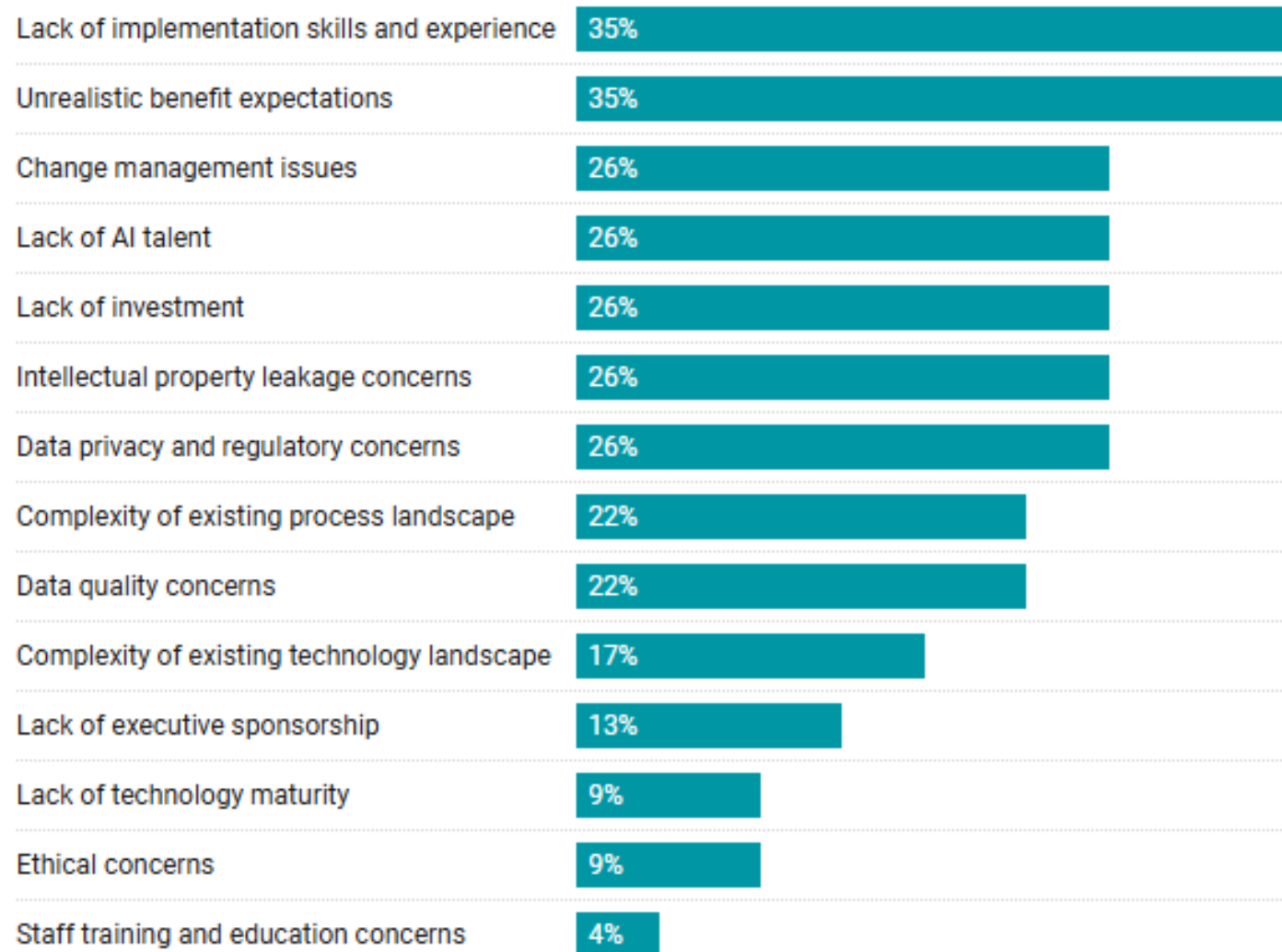
ASI is a fully autonomous intelligence that **surpasses human cognitive capabilities** and can solve problems and innovate on an exponential scale.

Key Characteristics:

- Surpasses human problem-solving and reasoning
- Forms independent goals and innovates autonomously
- Continuously self-improves and evolves
- Applies superior intelligence across all domains

AI adoption barriers

Percentage of finance executives with “major concerns” about implementing AI.



- **Only 4% of finance leaders say firms are ‘maturing and scaling’ generative AI use**
- **Meanwhile, more than half (52%) of the surveyed finance executives said their teams were planning or piloting generative AI deployments addressing annual planning and forecasting.**

Figure 11: Average number of minutes to complete a task with and without Generative AI



Quantum Computing



Quantum Computing

- Next generation of computing
- Rely on the laws of quantum mechanics (weird behavior of particles at a subatomic scale) to process information.
- Currently, too small, too difficult to maintain and too error-prone to compete with today's best classical computers.
- Many experts expect quantum computing will one day overtake classical computing for specific tasks.



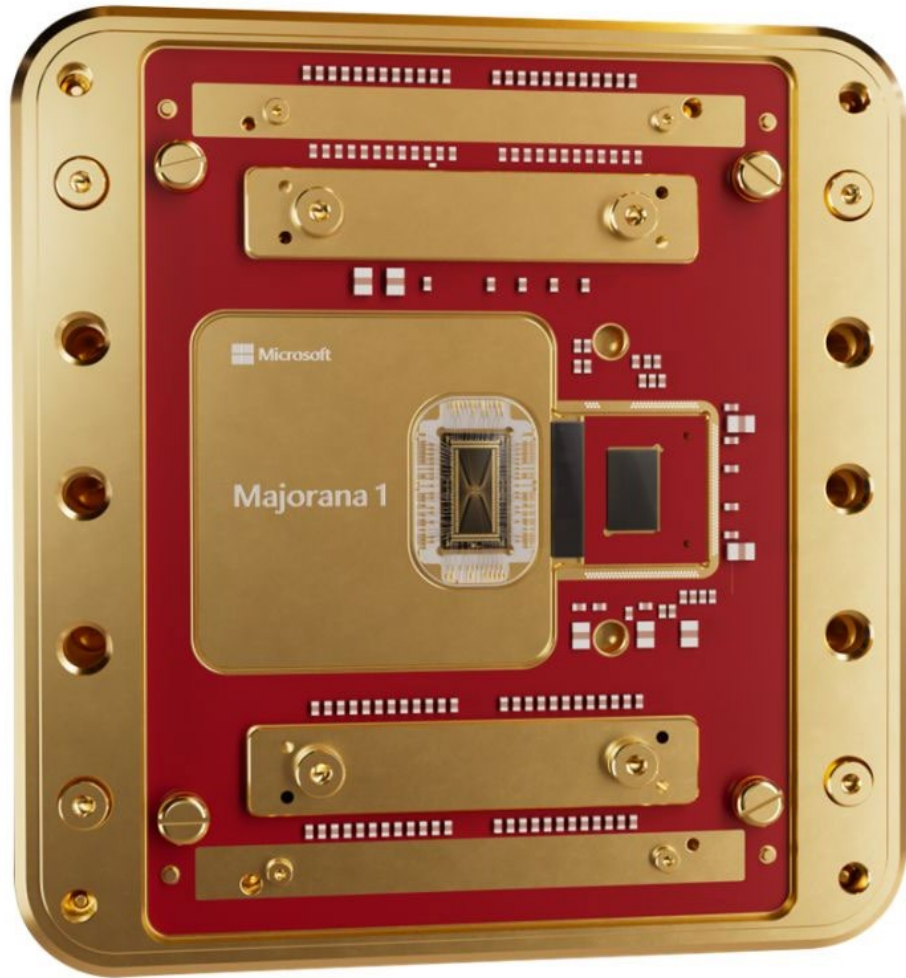
Google “Willow”

- Chip addresses two major problems with quantum computers
- Google claims Willow can reduce quantum computing errors "exponentially."
- "The more qubits we use in Willow, the more we *reduce* errors
- Can Do in 5 Minutes What Would Take Other Computers 10 Septillion Years

IBM Quantum Nighthawk

- 120 qubits
- Avail – Late 26





Microsoft's Majorana 1

- Announced Feb-25
- World's first Quantum Processing Unit (QPU) powered by a Topological Core, designed to scale to a million qubits on a single chip.
- [Quantum Computing Is 'Years, Not Decades' Away](#)



Q-Day

Marks the day when quantum computing advances to the point that it can break the encryption methods safeguarding most of the Internet.

Tariffs

Impact of Tariffs

- Cloud Computing Costs (Azure/AWS)
- NVIDIA Chips (AI Accelerators, GPU Hardware)
- Amazon (Echo, Ring, Kindle)
- Apple (iPhones, iPads, MacBooks)
- Microsoft (Surface and Xbox)
- Samsung (Supplies Semiconductors for many products)
- Intel (Raw Materials and Components)

Consumer Technology Association

Potential Consumer Impact of Administration Tariffs

	Potential Increase in Consumer Price	Lost Consumer Spending Power Due to Higher Prices	Potential Average Retail Cost Increase*
Smartphones	↑ 30.8%	\$31.2B	↑ \$255
Laptops & Tablets	↑ 34.0%	\$23.8B	↑ \$269, laptops; ↑ \$152 tablets
Connected Devices	↑ 22.4%	\$18.3B	↑ \$10 to 81
Computer Accessories	↑ 24.8%	\$13.1B	↑ \$58, printers
Desktop Computers	↑ 24.0%	\$13.0B	↑ \$287
Video Game Consoles	↑ 69.4%	\$12.0B	↑ \$428
Monitors	↑ 31.8%	\$5.1B	↑ \$111
Speakers & Headphones	↑ 22.3%	\$2.5B	↑ \$60, speakers; ↑ \$5, headphones
Lithium-Ion Batteries	↑ 17.9%	\$2.4B	Up to ↑\$16
Televisions	↑ 10.7%	\$1.9B	↑ \$57

**Assuming full pass-through of tariff costs to retail buyers.*

(Image credit: Consumer Technology Association (CTA))

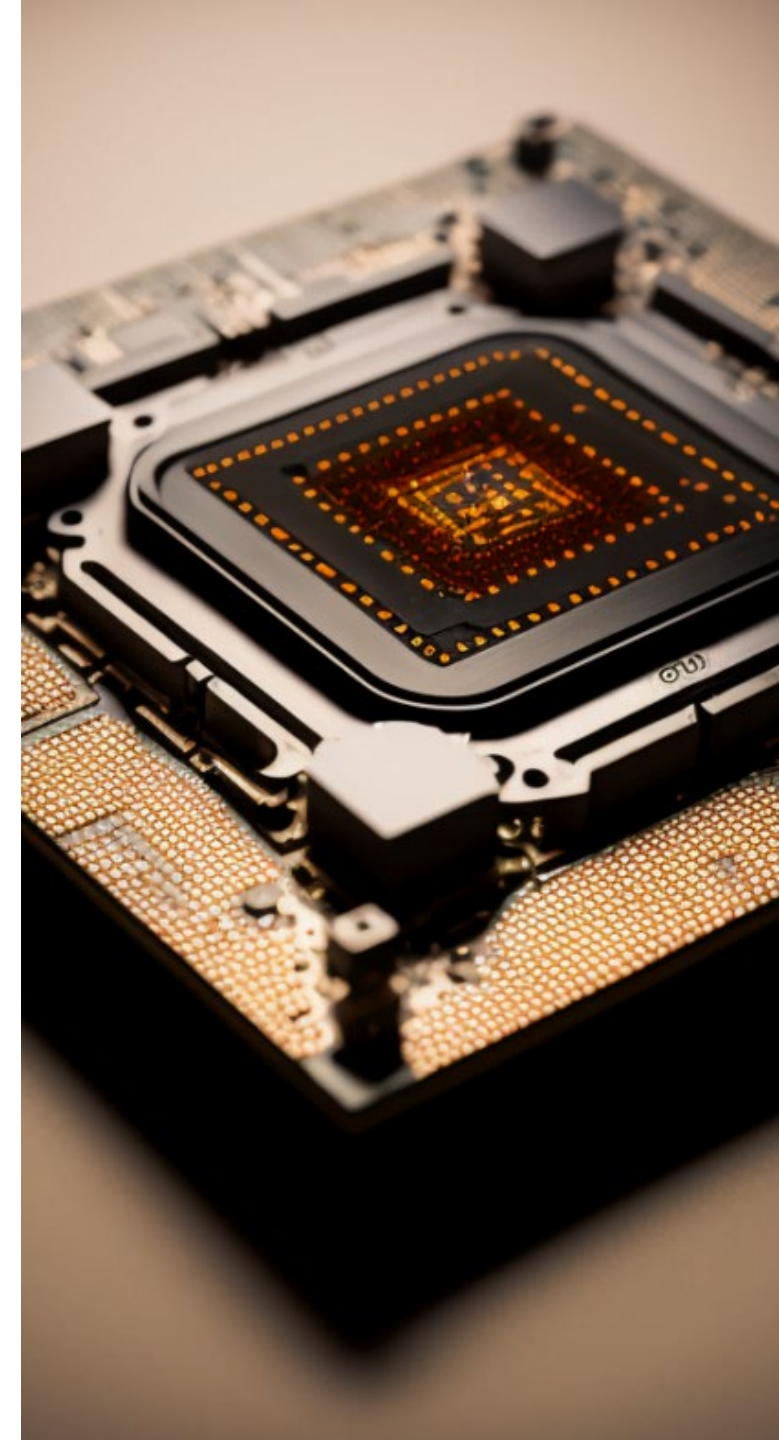
Device Technology

A close-up photograph of a black integrated circuit (IC) chip mounted on a blue printed circuit board (PCB). The chip has the letters 'AI' printed in a large, white, sans-serif font in the center. Below the 'AI' logo, the words 'ARTIFICIAL INTELLIGENCE' are printed in a smaller, white, sans-serif font. At the bottom of the chip, the alphanumeric code 'AI5769348-03489' is visible. The PCB is populated with various components, including several silver cylindrical capacitors and other smaller black chips. The background is a blurred view of the circuit board's intricate traces and components.

AI Hardware

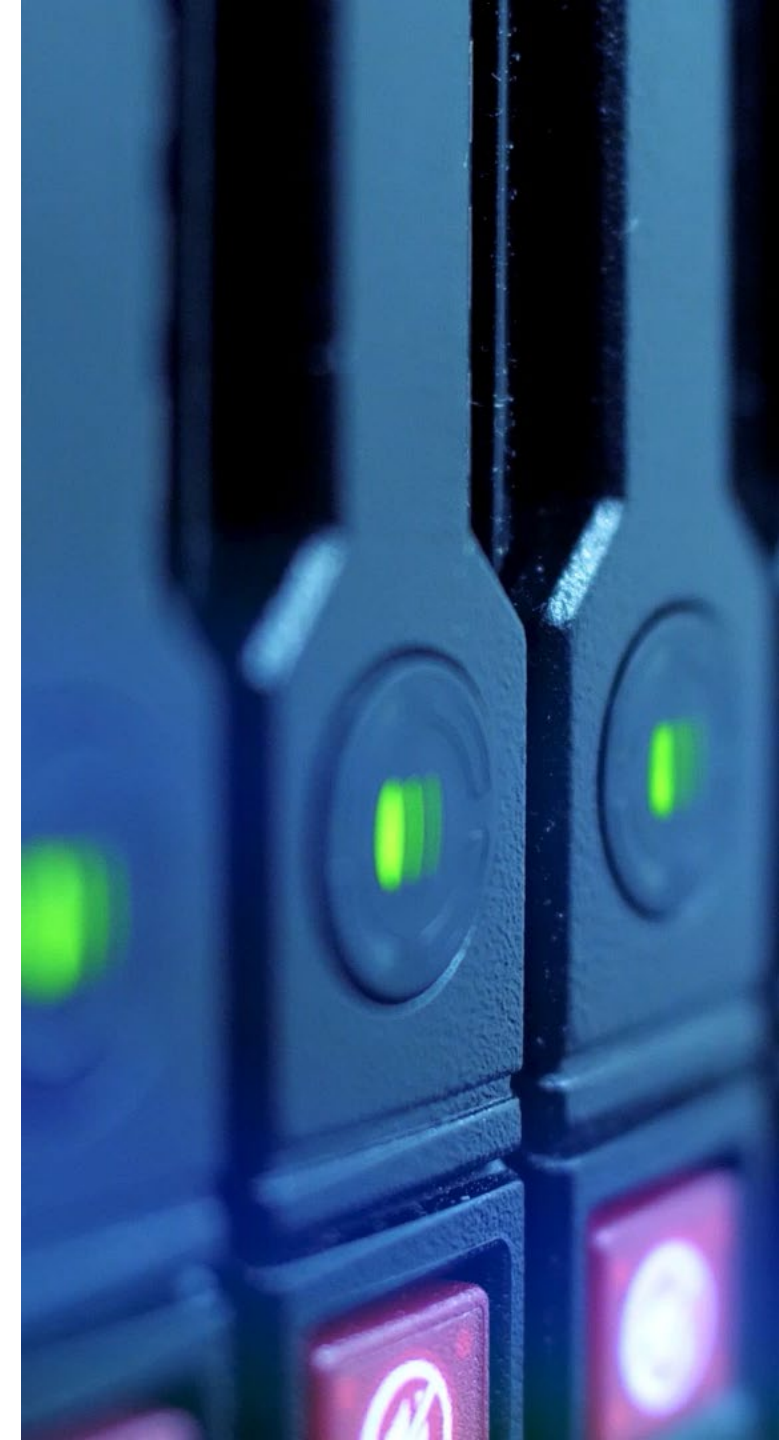
Processor Types

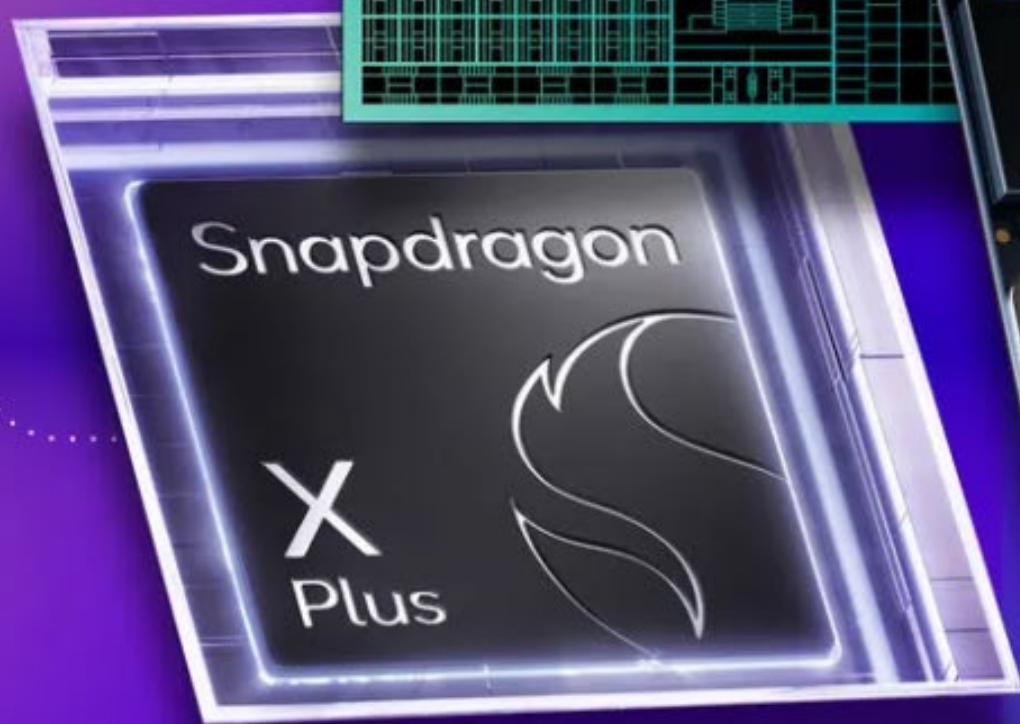
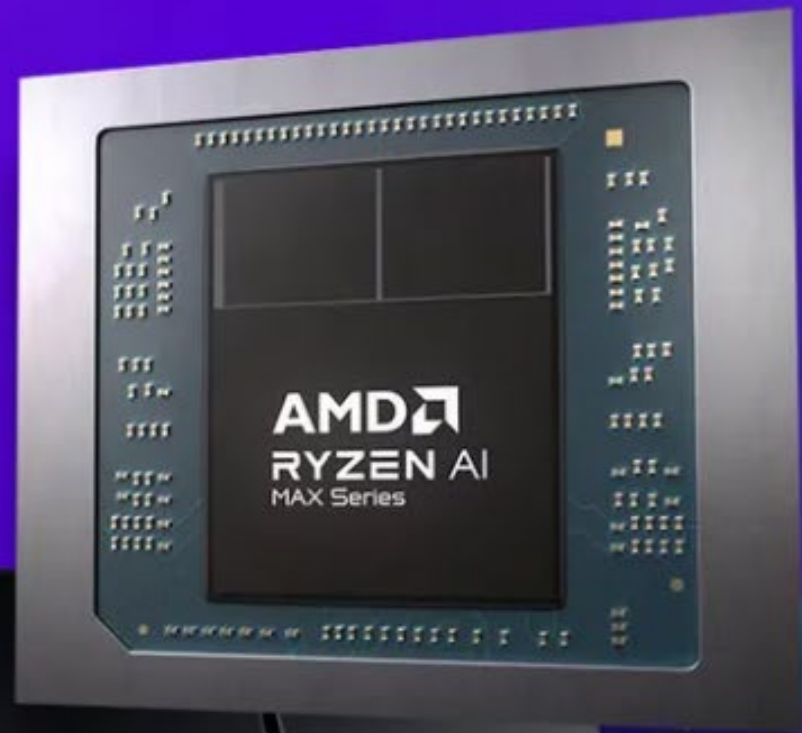
- CPU (central processing unit) – not optimized for AI tasks
- **GPU (graphics processing unit) – most common AI hardware; often several hundred times faster than CPUs**
- Purpose-built for AI/ML
 - **TPU (tensor processing unit) – ASIC (application-specific integrated circuit) developed by Google specifically for accelerating machine learning tasks related to neural networks; uses Google's TensorFlow software.**
 - **NPU (neural processing unit) – specializes in the acceleration of machine learning algorithms, typically by operating on predictive models. Prevalent in AI-enabled devices like smartphones and Internet of Things (IoT) gadgets.**



What is an AI PC?

- AI PCs - artificial intelligence integrated at a base level, via chip or software, that allows users to access machine learning tools without the need to go online or access external tools.
 - Specialized hardware can handle AI tasks, run machine learning models, and optimize system performance.
 - Local processing reduces latency and increases energy efficiency.
 - AI PCs use AI behind the scenes to improve performance, cooling, and battery life.
 - AI PCs can automate repetitive tasks & enhance productivity
 - AI PCs benefit creative industries, gaming, and everyday productivity by offering real-time enhancements, smoother gameplay, and personal assistant capabilities.



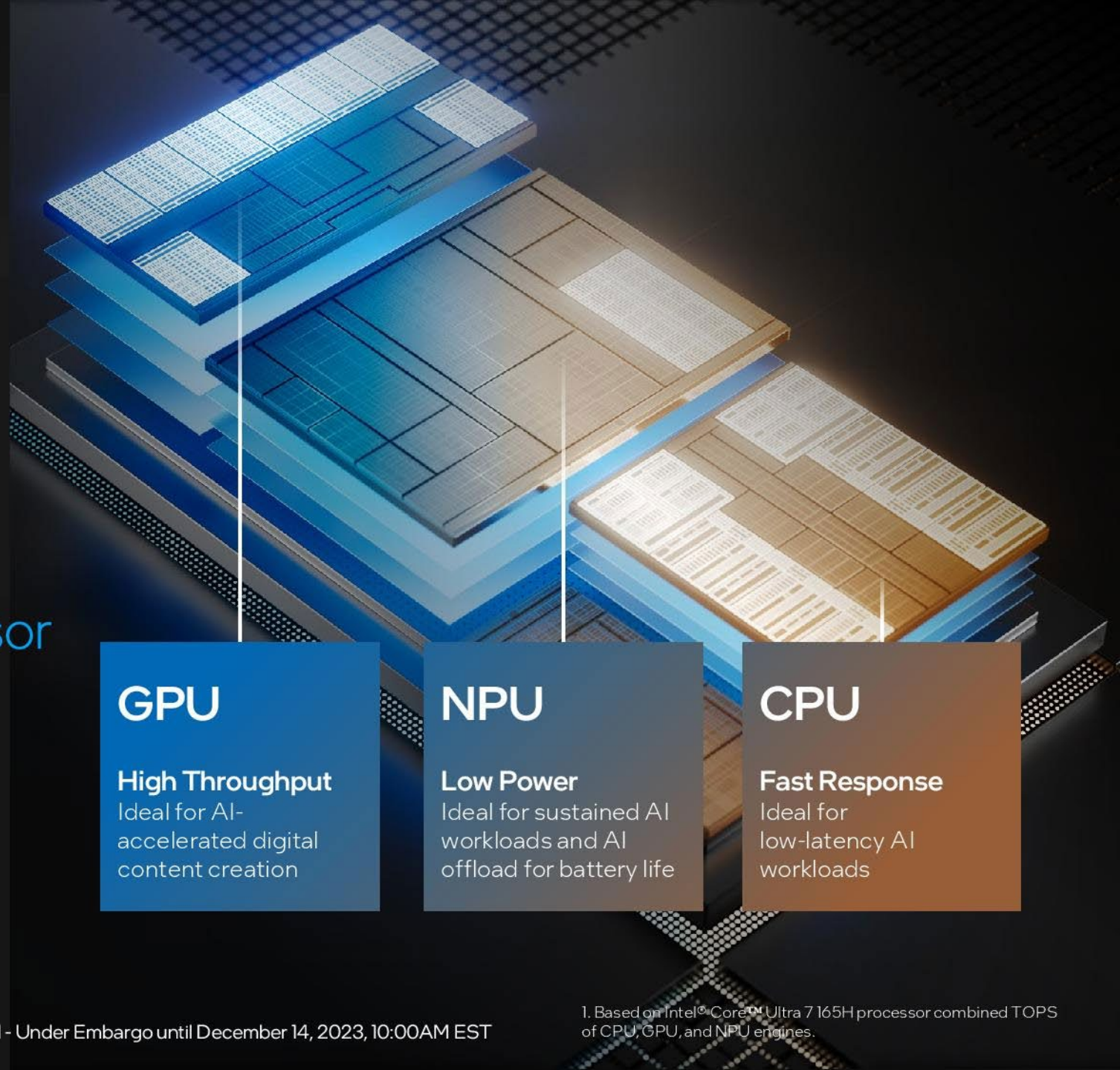


Three AI Engines

with Intel® Core™ Ultra Processor

Heterogenous execution of AI workloads embraces the best practices in AI software design

Deliver up to **34 TeraOPS**¹



GPU

High Throughput

Ideal for AI-accelerated digital content creation

NPU

Low Power

Ideal for sustained AI workloads and AI offload for battery life

CPU

Fast Response

Ideal for low-latency AI workloads

Qualcomm Snapdragon X Elite

- **Built for AI**
- Best-in-class processing across CPU, GPU, NPU and micro NPU
 - Qualcomm® Oryon™ CPU
 - Adreno™ GPU
 - Hexagon™ NPU
 - Qualcomm® Sensing Hub
- Capable of running generative AI LLM models over 13B parameters on-device with blazing-fast speeds
- 45 NPU TOPS (trillions of operations per second) all-in-one system on a chip (SoC)
- 5G and Wi-Fi 7 support
- Multiple days of battery life



Apple M5

- Optimized for AI and graphics
- 10-core GPU core w/ dedicated Neural Accelerator in each core
- 4X peak performance vs M4
- Initially avail in: MacBook Pro, iPad Pro, Apple Vision Pro headset



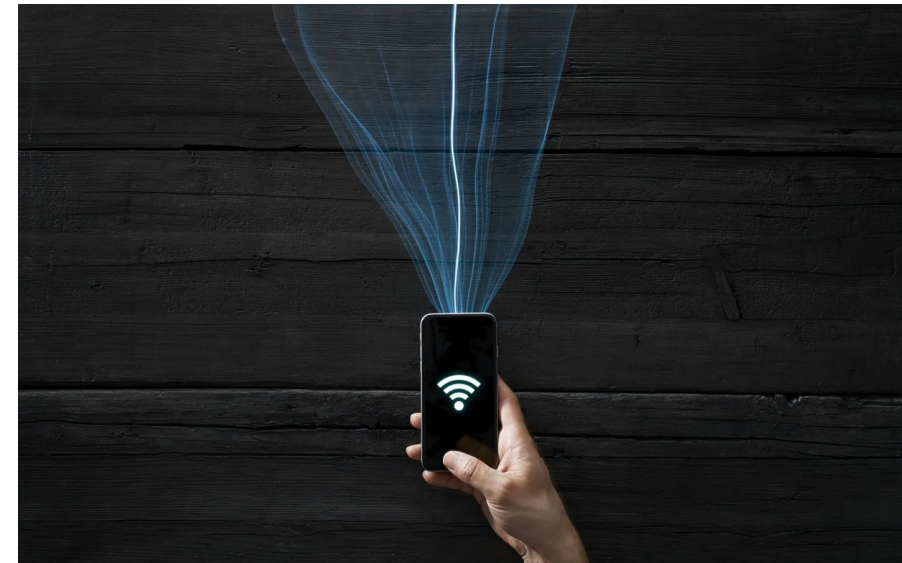
Bluetooth 6.1

- Released May-25
- **Increased device privacy:** Randomizing the timing of address changes makes it much more difficult for third parties to track or correlate device activity over time
- **Improved power efficiency:** The Bluetooth Randomized RPA Updates feature offloads the address change operation to the Controller, helping conserve battery life



WiFi 7

- 802.11be EHT (Extremely High Throughput)
- Still uses 2.4GHz, 5GHz, and 6GHz radio bands
- Multi-Link Operation (MLO) technology
 - **Allows devices to simultaneously send and receive data over multiple radio bands to create a single aggregated connection.** Faster throughput, reduced latency and allow data to flow unimpeded by network traffic or interference.
- Fast!
 - Projected peak data rates of Wi-Fi 7 is **46Gbit/s, 4.8 times faster than Wi-Fi 6/6E** and almost 6x faster than Wi-Fi 5.
 - Slightly faster than the 40Gbits/s delivered by a Thunderbolt 3/4 connection.
- Available: Now



HDMI 2.2



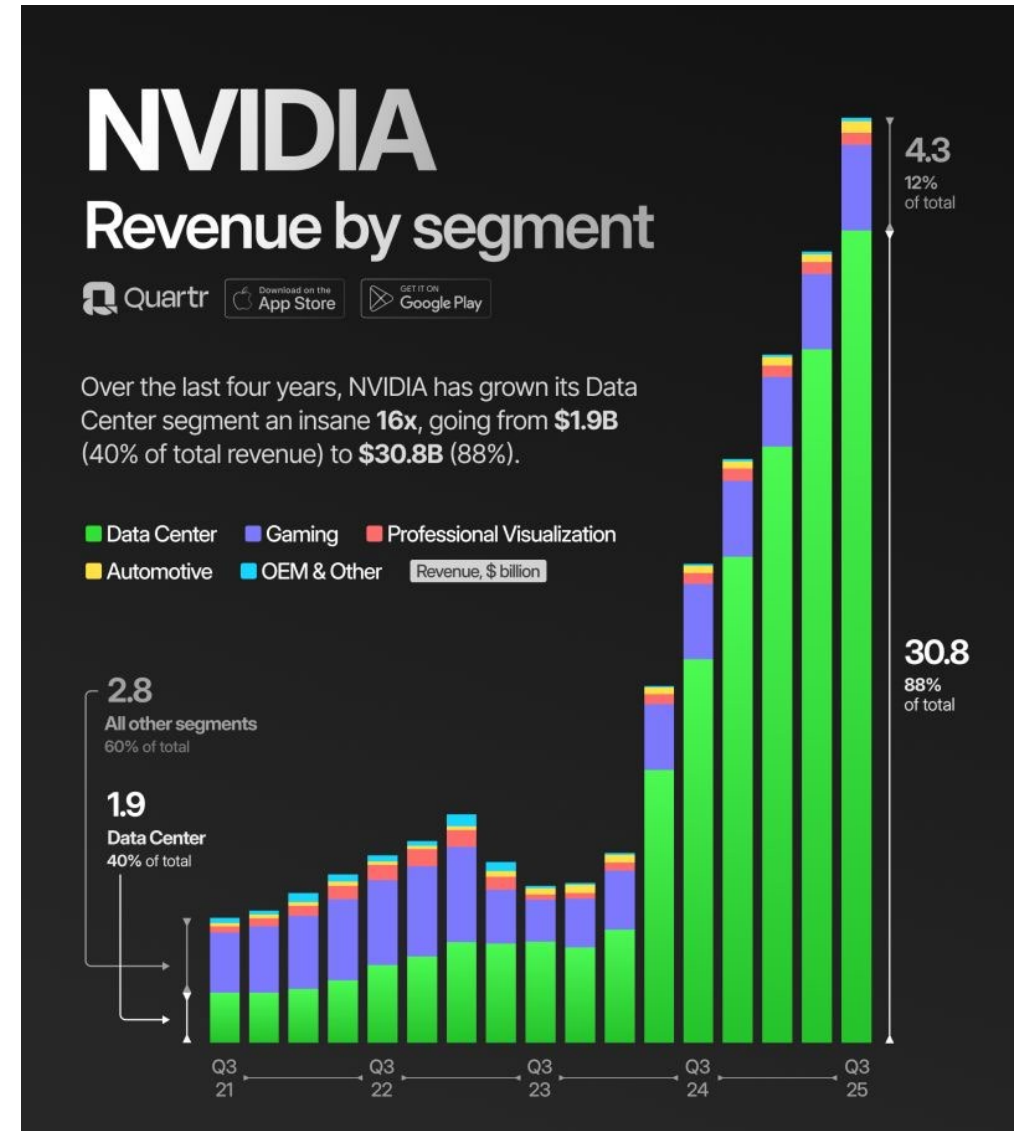
- Significant increase in throughput
- Better support for
 - Virtual, augmented & mixed reality
 - Commercial applications
- Latency Indication Protocol (LIP) – improved audio & video synchronization
- Approaches DisplayPort 2.1 (80 Gbps) capabilities
- Requires new cables
- Available: now

Companies



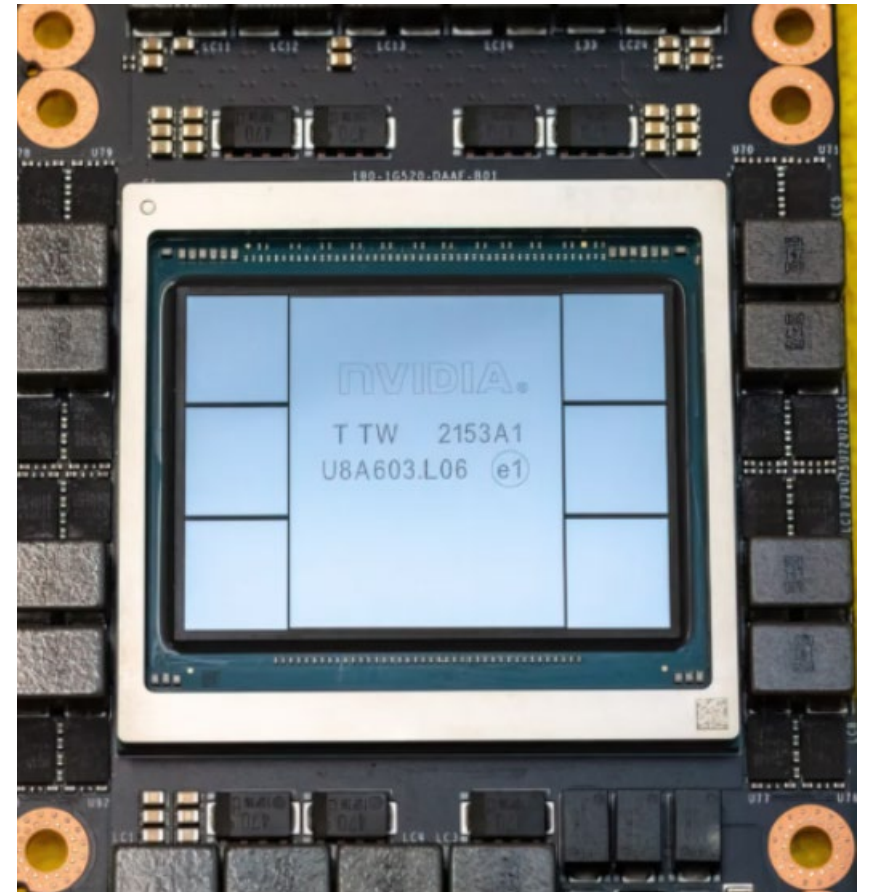
Nvidia

- Founded in 1993 – focused on graphics-based processing
- Today - multi-trillion dollar supplier of AI hardware & software (took only 180 days to go from \$1T to \$2T in 2023)
- Owns >80% of AI chip market



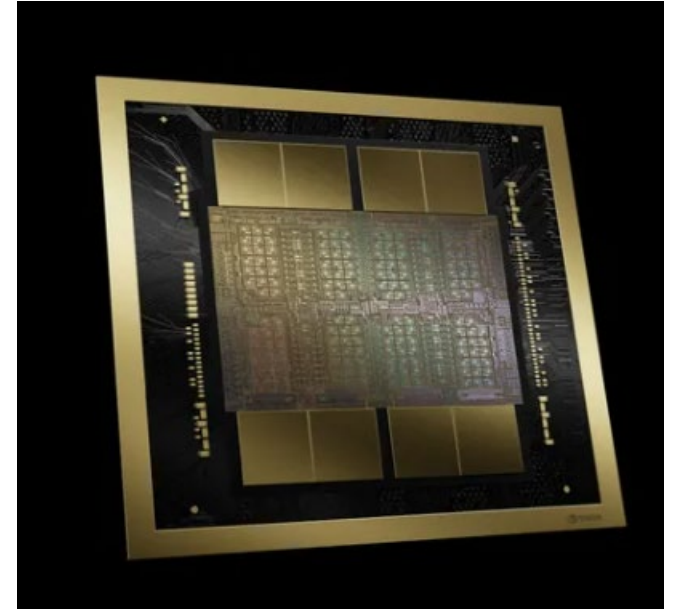
Nvidia

- H100
 - Hopper series
 - 9th generation data center GPU (graphics processing unit) chip
 - Designed specifically for artificial intelligence (AI) applications
 - 80 billion transistors (6x more than predecessor A100 chip)
 - 144 streaming multiprocessors
 - Lead time for H100 servers is 36-52 weeks due to shortages & demand



Nvidia

- B200
 - Blackwell architecture
 - “Built to democratize trillion-parameter AI”
 - 208 billion transistors
 - Reduces cost and energy consumption by up to 25x over an H100
 - Example: Training a 1.8 trillion parameter model would have previously taken 8,000 Hopper GPUs and 15 megawatts of power, Nvidia claims. 2,000 Blackwell GPUs can do it while consuming just four megawatts.
 - Approx cost - \$30K



OpenAI



- **Company info**

- Founded Dec-2015
- Valued at \$500B
- Projected FY25 revenue: \$13B
- 17% of AI market share

- **Volume (Jul-25)**

- ChatGPT now handling 2.5 billion prompts every day, with 330 million daily queries coming from the U.S. alone

- **ChatGPT-5 (Aug-25)**

- **Deeper Cognitive Abilities:** engineered for deeper, context-aware reasoning, enabling it to handle highly complex, multi-step problems and “think deeply when you need it to.”
- **Reduced Hallucinations:** Enhanced truthfulness and reliability make GPT-5 “less prone to hallucinations and pretending to know things,” a persistent challenge in large language models.
- **Agentic & Coding Proficiency:** now supports agentic workflows with improved end-to-end coding skills, more usable code, better design output, and augmented debugging capabilities. It can generate full front-end UIs from minimal input and execute long chains of tool calls autonomously.

OpenAI GPT-5 Performance Overview

Advanced AI Model with Unified Reasoning Architecture

August 7, 2025
Official Release

Unified Internal Reasoning

Advanced architecture combining traditional and reasoning models for superior performance

- Advanced coding & mathematical problem-solving
- Domain expertise in science, law & finance
- Enhanced health-related query handling
- Significantly reduced hallucination rates
- Improved contextual understanding

SWE-BENCH VERIFIED

74.9%

Real-world coding tasks from GitHub

HEALTH ACCURACY

1.6%

Hallucination rate on HealthBench

Hallucination Rate Improvements

4.8%

GPT-5

20.6%

GPT-4O

22.0%

O3 MODEL

26-65% reduction in hallucination rates compared to prior models

OpenAI



- **Versions**

- **GPT-5** - full-capability reasoning model, used in both ChatGPT and **OpenAI's application programming interface (API)** for high-quality general tasks
- **GPT-5 Pro** - enhanced version with **extended reasoning and parallel compute**, designed for use in complex enterprise and research environments. It provides more detailed and reliable answers, especially in ambiguous or multi-step queries .
- **GPT-5 Mini** is a smaller, faster version of the main model, optimized for lower latency and resource usage. It is used as a fallback when usage limits are reached or when minimal reasoning suffices.
- **GPT-5 Nano** is the most lightweight variant, **built for speed and efficiency in high-volume or cost-sensitive applications**. It retains reasoning capability, but at a smaller scale, making it ideal for mobile, embedded, or latency-constrained deployments

Open AI



- **Open AI Search**

- Full launch/avail – Feb-25
- AI-powered search engine integrated directly into ChatGPT, designed to combine traditional web searching with generative AI.
- Fetches up-to-date information and presents it with natural-language context and source citations
- Handles over 1 billion search interactions per week, with 400+ million monthly active users interacting via ChatGPT

- **Study Mode**

- Released July 29, 2025
- Designed to transform ChatGPT into an effective learning tool tailored to active engagement rather than AI shortcutting
- Encourages Socratic questioning, reflection, progressive scaffolding across sessions, reducing outright answer giving
- Built in collaboration with over 40 educational institutions; helps position OpenAI in direct competition with Google's Gemini for Education

Open AI



- **ChatGPT Agent**
 - Launched July 17, 2025
 - Enables ChatGPT to autonomously perform complex tasks using a virtual environment and built-in toolset.
 - Tasks include booking restaurant reservations, shopping, generating slide decks and spreadsheets, writing code, and more—across user apps like calendars, Gmail, and file systems




Open AI









- **ChatGPT Agent**
 - **Unified toolbox:** It features a visual browser for human-style navigation, a text browser for quick parsing, a terminal for code, and API connectors for apps like Gmail and GitHub.
 - **Virtual isolation:** It works within its own virtual computer, preserving the context of your task even when switching between tools.
 - **Permission first:** The agent always asks for permission before any big moves like submitting forms, spending money, or sending emails, allowing you to jump in, pause, or redirect anytime.
 - **Iterative workflow:** You can jump in and interact with the agent mid-way as it works, clarifying instructions, changing the task, or requesting progress summaries without losing progress.
 - **Performance Edge:** ChatGPT agent has scored high on tough tests, like 41.6% on expert-level questions or 27.4% on hard math problems, often outperforming older models.
 - **Real-World Applications:** In a business context, it automates tasks such as updating financial sheets or booking team events. For personal use, it can plan and book your entire itinerary or schedule appointments.

What are you working on?

Ask anything

+  Tools  

-  Agent mode NEW
-  Deep research
-  Create image
-  Study and learn
-  Web search
-  Canvas



What can I do for you?

Describe a task

+ | Agent x Sources v

- Suggested
- Reports
- Actions
- Spreadsheets
- Presentations

- Order Chinese food for delivery tomorrow on DoorDash
- Research fundamentals of natural wine vs. traditional techniques
- Book Mexico City birthday trip dinners on OpenTable
- Create a list on Google Maps of best Copenhagen bakeries
- Compare baby-led weaning versus traditional spoon-feeding






Temporary Chat

This chat won't appear in history, use or update ChatGPT's memory, or be used to train our models. For safety purposes, we may keep a copy of this chat for up to 30 days.

Ask anything

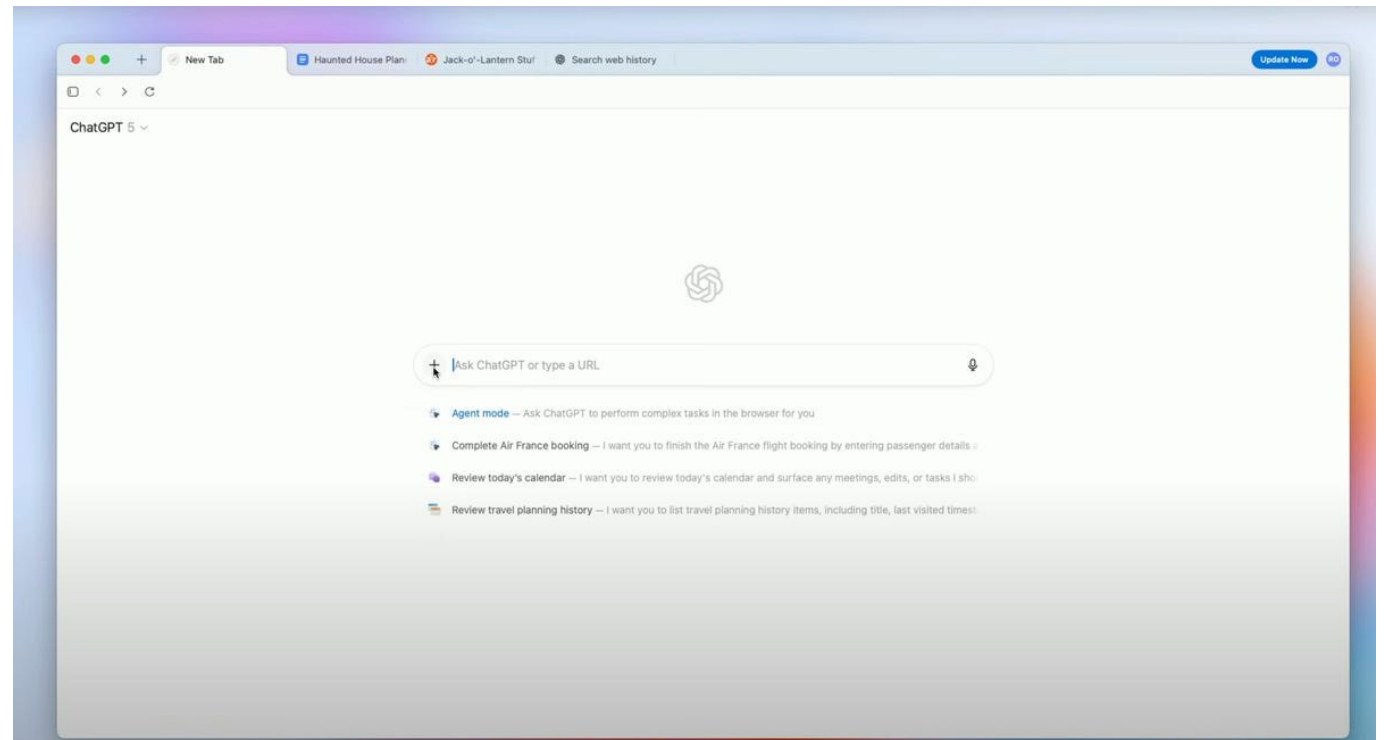
+  Tools



Open AI



- **ChatGPT Atlas (Oct-25)**
 - Generative AI-powered web browser
 - Support for MacOS avail now. Windows, iOS and Android operating system support "coming soon"
 - Includes tabs, bookmarks, extensions and incognito mode, but adds popular ChatGPT functions and features throughout.
 - Agent-mode built in



Open AI



- **Sora 2**
 - OpenAI social media video generation app
 - “AI Deepfake fever dream”
 - Better than Midjourney v1 and Google Veo 3
 - High resolution, synchronized audio and surprising creativity w/ “cameo” mode (insert anyone’s likeness into a scene).

Open AI



- **Future?**
 - OpenAI's conversational AI has grown to handle a volume equivalent to one sixth of the world's largest search engine.
 - AI generated answers already reducing the number of ad clicks, directly undercutting Google revenue (\$307B total revenue / \$175B from search)

Microsoft



Artificial Intelligence

- Integrated across entire ecosystem, including industry-specific (healthcare, manufacturing, etc.) AI models
- **Custom AI chips** – part of broader strategy to control and optimize every layer of its infrastructure, from silicon to software
 - **Azure Maia** – Accelerator chip specifically designed for AI tasks and generative AI. It helps power services like Microsoft Copilot and Azure OpenAI Service
 - **Azure Cobalt** - Arm-based processor, tailored for general-purpose compute workloads in the Microsoft Cloud
- Phi-4 models

Microsoft



Phi-4 SLM (Small language model)

- Compact, but capable alternative to larger models
- Open Source

Versions

- Phi-4 (Dec-24) – 14B parameters
- Phi-4-mini-instruct (Feb-25) – 3.8B
- Phi-4-multi-modal (Feb-25) – 5.6B

Microsoft



Artificial Intelligence



- Integrated across entire ecosystem, including industry-specific (healthcare, manufacturing, etc.) AI models
- **Custom AI chips** – part of broader strategy to control and optimize every layer of its infrastructure, from silicon to software
 - **Azure Maia** – Accelerator chip specifically designed for AI tasks and generative AI. It helps power services like Microsoft Copilot and Azure OpenAI Service
 - **Azure Cobalt** - Arm-based processor, tailored for general-purpose compute workloads in the Microsoft Cloud
- Phi-4 models
- **AI-powered Copilot Mode in Microsoft Edge**



Copilot 6:27 PM

Hi David, what should we dive into today?

Message Copilot

 Quick response ▾ + 

- Create an image
- Improve writing
- Translate into Gen Z
- Write a first draft
- Design a logo
- Predict the future
- Draft a text
- Write a joke



Feature	Copilot (Free)	Microsoft 365 Copilot (Paid Add-on)
Access	Available on Windows, Edge, Bing, and mobile	Integrated into Microsoft 365 apps (Word, Excel, Teams...)
Data Sources	Public web data	Enterprise data via Microsoft Graph
Use Case	General-purpose AI assistant	Deep productivity within Microsoft 365 ecosystem
Licensing	Free for most users	\$30/user/month (annual billing)
Capabilities	Chat, image generation, quick research	Summarize docs, generate presentations, analyze spreadsheets
Enterprise Integration	Limited	Full access to org data, IT controls, analytics
Security	Enterprise-grade protection	Enterprise-grade protection + admin controls

Microsoft



Artificial Intelligence

- Integrated across entire ecosystem, including industry-specific (healthcare, manufacturing, etc.) AI models
 - **Custom AI chips** – part of broader strategy to control and optimize every layer of its infrastructure, from silicon to software
 - **Azure Maia** – Accelerator chip specifically designed for AI tasks and generative AI. It helps power services like Microsoft Copilot and Azure OpenAI Service
 - **Azure Cobalt** - Arm-based processor, tailored for general-purpose compute workloads in the Microsoft Cloud
 - AI-powered Copilot Mode in Microsoft Edge
 - **Agentic AI** – GitHub Copilot coding agents and Windows AI Foundry.
 - **Copilot Tuning** – allows businesses to train AI models using their own company knowledge, for more accurate, domain-specific tasks
 - **Mixed Reality & Metaverse** - AI integrated
 - **Copilot+ PCs** – Surface Pro and Surface Laptop
- Claude to replace OpenAI in Office 365 (Sep-25)**
- Azure Boost** - designed to improve storage and networking speeds
- Majorana 1** - World's first Quantum Processing Unit (QPU) powered by a Topological Core

Describe your agent to create it

Helpdesk Expense tracking HR and benefits

Use everyday words to describe what your agent should do

Features labeled as 'preview' are subject to supplemental terms. [See terms.](#)

Explore agents

[See more](#)



Website Q&A

Agent template

Instantly answer user questions using the content of your website or other knowledge.



Voice

Agent template

An agent with voice capabilities.



Safe Travels

Agent template

Provides answers to common travel questions and related health and safety guidelines.



Financial Insights

Agent template

Help financial services professionals get quick and concise info from their org's financial documents and other available resources.



Benefits

Agent template

Benefits Agent provides personalized information on various benefits offered by the employer that are tailored to employee's unique circumstances.



IT Helpdesk

Agent template

Empowers employees to resolve issues and effortlessly create/view support tickets.

Learning resources

Free Copilot Studio Workshop

Getting started with Copilot Studio

Quick start: Create and deploy an agent

Documentation

Security and Governance

Responsible AI FAQs

Quick start: Use Generative AI in an agent

Support community

Coming soon: See release plans

What's new: See release notes

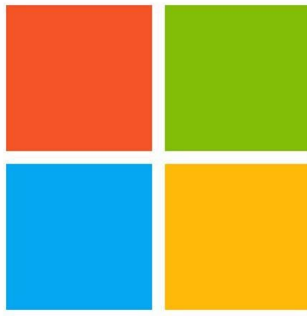
Agent Message Consumption Estimator



Microsoft Copilot+ PC

- State of the art processors – **40 TOPs** (trillions of operations per second)
- **All day battery life**
- Connectivity to LLMs in Azure cloud with SLM local processing, powering Recall, Cocreator and Live Captions functionality

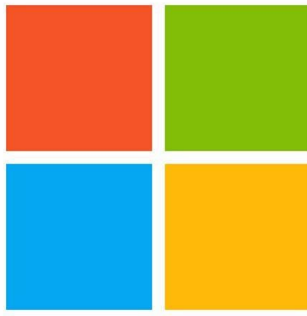




Surface Laptop – 13 inch (Copilot + PC)

- Processor - Snapdragon® X Plus (8 Core)
- Display – 1920 x 1280 (178 PPI), refresh rate up to 60Hz
- Memory - 16 GB or 24 GB
- Storage - 256 GB to 1 TB
- Battery life - Up to 16 hours
- NPU - Qualcomm® Hexagon™ with 45 TOPS
- Network - Wi-Fi 7Ports - 2 x USB-C®/ USB-A 3.1
- Available: Jul-25
- Pricing: starting at \$999





Surface Pro - 12 inch (Copilot + PC)

- Processor - Snapdragon® X Plus (8 Core)
- Display - 2196 x 1464 (220 PPI), refresh rate up to 90Hz
- Memory - 16 GB
- Storage - 256 GB up to 512 GB
- Battery life - Up to 16 hours
- NPU - Qualcomm® Hexagon™ with 45 TOPS
- Network - Wi-Fi 7/Ports - 2 x USB-C®/ USB 3.2
- Available: Now
- Pricing: starting at \$799

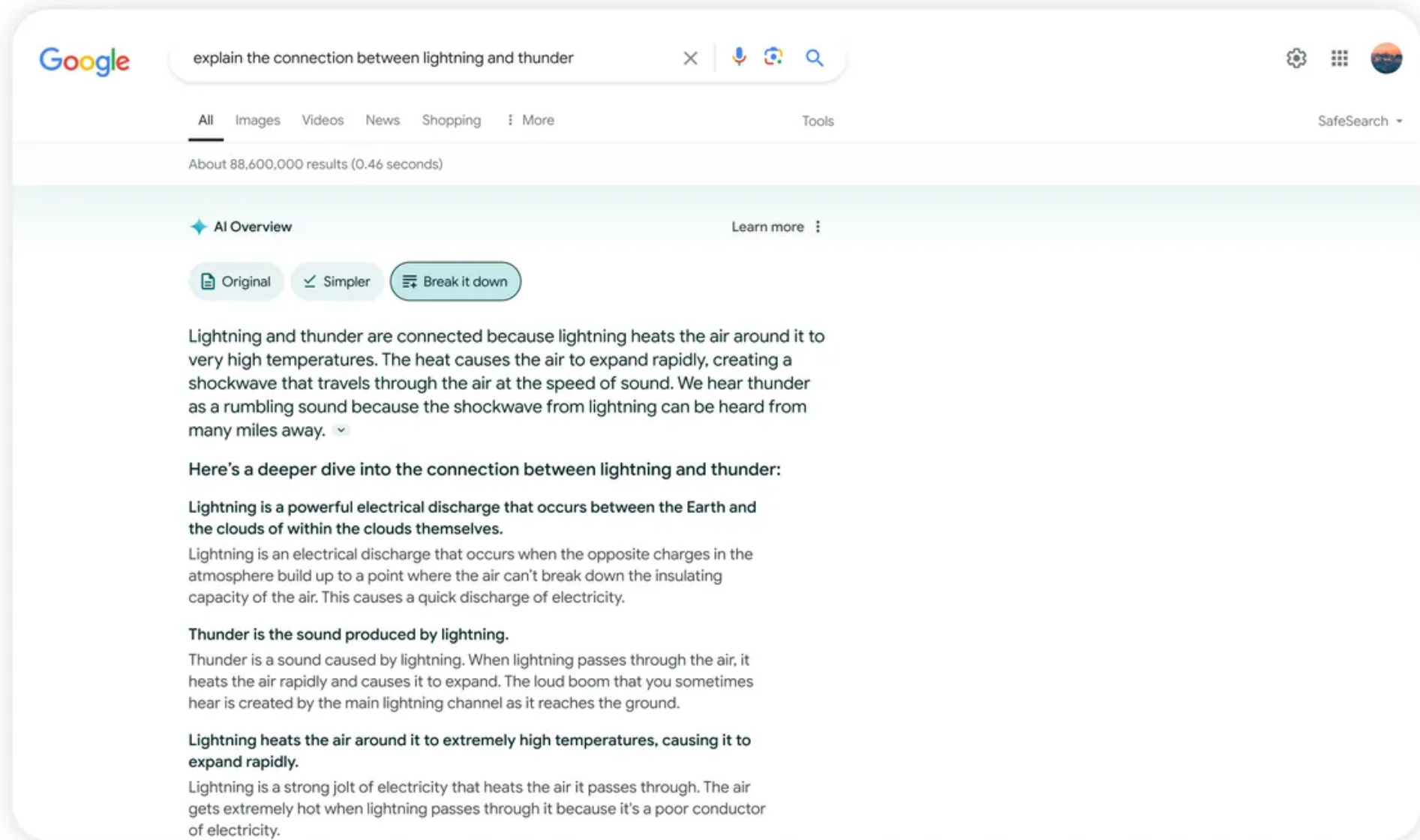


Google



- **AI Mode** - Gemini 2.5 integrated into
 - Workspace (Docs, Gmail, Meet)
 - Search, powering AI Overviews

AI Overviews



The screenshot shows a Google search interface. The search bar contains the text "explain the connection between lightning and thunder". Below the search bar, there are navigation tabs for "All", "Images", "Videos", "News", "Shopping", and "More". The search results indicate "About 88,600,000 results (0.46 seconds)".

The AI Overview section is highlighted with a light green background. It features a "Learn more" link and three buttons: "Original", "Simpler", and "Break it down". The "Break it down" button is currently selected.

Lightning and thunder are connected because lightning heats the air around it to very high temperatures. The heat causes the air to expand rapidly, creating a shockwave that travels through the air at the speed of sound. We hear thunder as a rumbling sound because the shockwave from lightning can be heard from many miles away.

Here's a deeper dive into the connection between lightning and thunder:

Lightning is a powerful electrical discharge that occurs between the Earth and the clouds of within the clouds themselves.

Lightning is an electrical discharge that occurs when the opposite charges in the atmosphere build up to a point where the air can't break down the insulating capacity of the air. This causes a quick discharge of electricity.

Thunder is the sound produced by lightning.

Thunder is a sound caused by lightning. When lightning passes through the air, it heats the air rapidly and causes it to expand. The loud boom that you sometimes hear is created by the main lightning channel as it reaches the ground.

Lightning heats the air around it to extremely high temperatures, causing it to expand rapidly.

Lightning is a strong jolt of electricity that heats the air it passes through. The air gets extremely hot when lightning passes through it because it's a poor conductor of electricity.



Meet AI Mode

Ask detailed questions for better responses

Ask anything



- Recommend Payette River rafting trips
- Tell me about iCloud's extra perks
- Tell me about the new Rivian 2026 models

Based on your Google activity

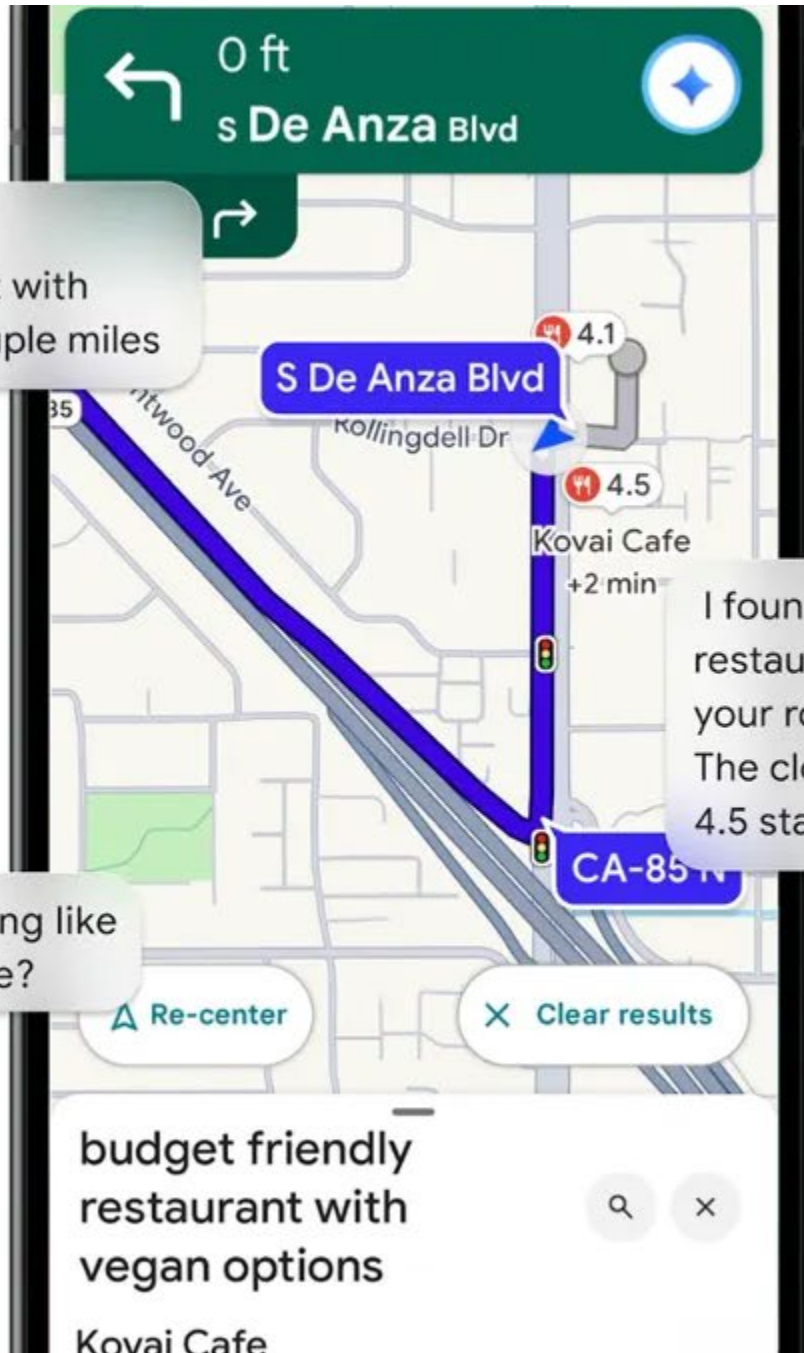
Google



- **AI Mode** - Gemini 2.5 integrated into Search, powering AI Overviews
- **Gemini 2.5 Pro / Flash**
 - True Universal Assistant
 - Understand context, make plans, simulate real-world scenarios



Hey Google, is there a budget-friendly restaurant with vegan options within a couple miles



What's parking like at Kovai Cafe?

I found a few budget-friendly restaurants with vegan options along your route, all with a short detour. The closest one is Kovai Cafe with a 4.5 star rating and a 1 mile detour.

budget friendly restaurant with vegan options

Kovai Cafe

Google



- **AI Mode** - Gemini 2.5 integrated into Search, powering AI Overviews
- **Gemini 2.5 Pro**
 - True Universal Assistant
 - Understand context, make plans, simulate real-world scenarios
- **AI Tools**
 - **Stitch:** Transform concepts into user interfaces
 - **Jules:** Autonomous coding assistant that integrates with GitHub
- **Pixel 10**
 - August launch
 - 10, 10 Pro, 10 Pro XL, 10 Pro Fold
 - Tensor G5 chipset
 - Enhanced AI and Improved Camera
 - Real time translation on phone calls, in users own voice
 - Camera coach
- **Android XR “Spectacles”**
 - Hands free Camera and Voice Assistant

Google Android XR glasses (\$299-\$499)



- Equipped with cameras, microphones, and speakers, enabling hands-free interaction with your favorite Android apps.
- Real-time language translation, turn-by-turn navigation, and context-aware assistance. An optional in-lens display provides private, on-demand information.
- Leverage Gemini, an AI assistant that understands your surroundings and provides proactive help. For example, you can:
 - Translate languages in real-time.
 - Schedule events, manage tasks, and recall saved information.
 - Access directions or summaries of messages without reaching for your phone

Google Veo 3

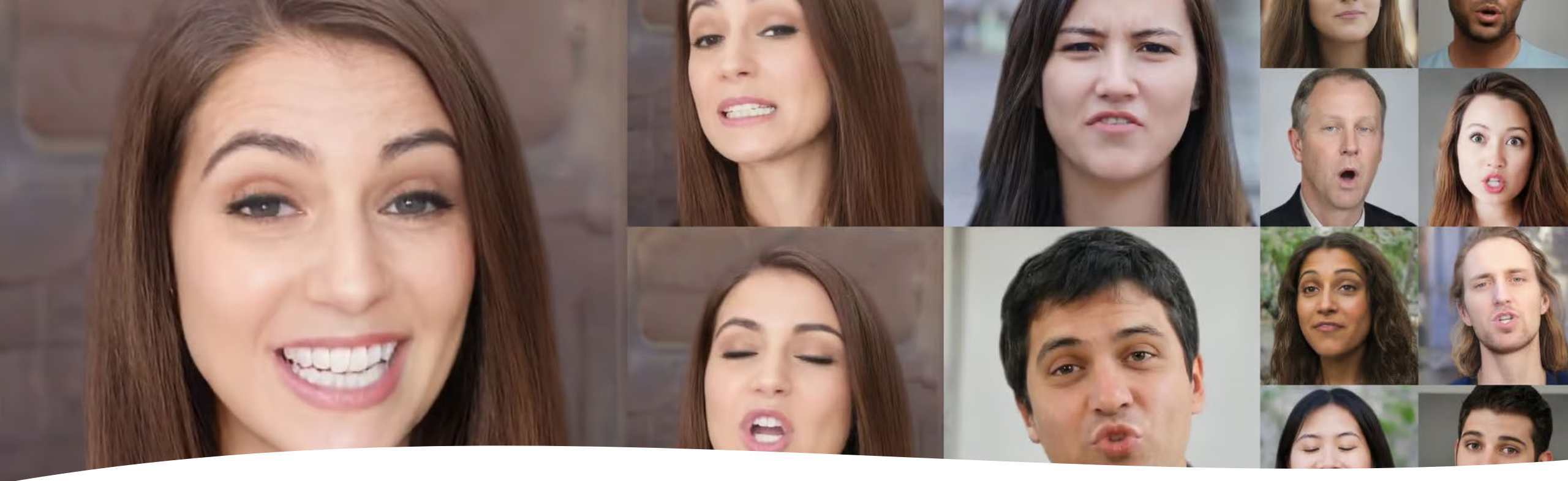
- Announced at [Google I/O 2025 in May 2025](#) - comes with significant quality advancements over previous versions.
- Google's newest video AI model produces high-quality videos with synchronized audio, including background sounds and character dialogue. It understands prompts well, turning text stories into video clips. Available now for Ultra subscribers in the U.S. and enterprise users on Vertex AI

The logo for Google Veo 3 is displayed on a dark blue background. The word "Google" is in its signature multi-colored font (blue, red, yellow, green, blue, red), and "Veo 3" is in a white, sans-serif font.

“Bad Actor” AI

FAKE NEWS

- GPT-4o is 82% more persuasive than humans, and AIs can now read emotions
- 2024 George Washington University quantitative scientific analysis:
 - Significant threat - daily occurrence by the middle of 2024
 - by 2026, 90% of online content will be generated by computers without human intervention
- Little doubt **AI will soon be the greatest manipulator of opinion that the world has ever seen.** It can act at massive scale, tailoring an argument to each individual, in a cohort of millions, while constantly refining its techniques and strategies. It'll be in every Twitter/X thread and comments section, shaping and massaging narratives society-wide at the behest of its masters. And it'll never be worse at manipulating us than it is now.

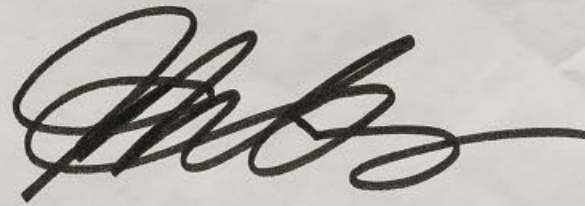


Deep Fakes

- Microsoft VASA-1 - <https://www.microsoft.com/en-us/research/project/vasa-1>
- Alibaba Institute for Intelligent Computer – Audio2Video Diffusion Model - <https://humanaigc.github.io/emote-portrait-alive/>

THE FAKE RESTAURANT
123 FAKE STREET
FAKECITY, NY

FAKE DU JOUR	\$550.00
FAKE FRIES	\$250.00
SUBTOTAL	\$800.00
TIP	\$160.00
TOTAL	\$960.00

A handwritten signature in black ink, appearing to be 'AB', written in a cursive style.

THANK YOU FOR YOUR BUSINESS!

ChatGPT vs Gemini vs Copilot

Which LLM model do you use the most?

In short:

- ChatGPT creates
- Gemini analyses
- Copilot executes



Julia Danyal

270K+ followers



ChatGPT 5

Key features	Pros	Cons
Multimodal: Works with text, images, and code in one chat for fast creation. Memory: Keeps context from past chats to stay consistent across projects. Custom GPTs: Builds versions for writing, research, or workflow automation.	Versatile: Handles writing, planning, strategy with accurate, useful output. Simple: Easy to use with no setup or technical background needed. Fast: Produces clear results quickly with short, direct instructions.	Paid Access: Requires a subscription for GPT-5 and full advanced tools. Errors: Sometimes gives small factual mistakes that need review. Generic: Needs clear prompts for niche or expert-level tasks.




Gemini 2.5

Key features	Pros	Cons
Multimodal: Works with text, images, audio, and code in a unified workspace. Long Context: Reads and processes large files without losing structure. Reasoning: Strong at logic, maths, and technical problem solving.	Accurate: Reliable for research, data, and complex analytical work. Powerful: Handles large projects and detailed technical workflows. Scalable: Integrates deeply with Google Workspace for seamless team workflows.	Complex: Feels advanced and less friendly for general users. Setup: Needs configuration to unlock full capability. Overkill: Too technical for basic office or creative work.



Copilot

Key features	Pros	Cons
Integrated: Built into Word, Excel, Outlook, and Teams for easy use. Data-Aware: Uses company data securely to write and summarise. Productivity: Automates workflows and now includes Copilot Studio for custom AI agents.	Seamless: Fits naturally within Microsoft 365 tools and systems. Secure: Meets enterprise privacy and compliance requirements. Efficient: Cuts repetitive work and improves daily productivity.	Limited: Focused on admin, not creativity or deep analysis. Tied In: Best suited for Microsoft 365 users and workflows. Shallow: Lacks complex reasoning and multi-step depth.

Follow  Julia Danyal on LinkedIn for posts on AI for business

Apple



- **OS renaming and redesign**
 - “MacOS26, iOS26....” year based for all devices
 - Merging design across devices. Based on Vision OS elements
- **iPhone Series 17**
 - iPhone “AIR”
 - A18 / A19 (Pro) Chipsets – Incremental performance
 - Display upgrades – 120Hz ProMotion



iPhone 16e

From

\$599



iPhone 17

From

\$799



iPhone Air

From

\$999



iPhone 17 Pro

From

\$1099



Four beautiful colors



2x Telephoto

48MP

Fusion camera system



Center Stage front camera

Apple Intelligence

80%

Recycled titanium

ProMotion

Up to 120Hz



All-day battery life

Ceramic Shield 2 front

3x

better scratch resistance



Ceramic Shield back

4x

more resistant to cracks

Apple C1X

Apple N1

6.5"

Super Retina XDR display





4x/8x Fusion Telephoto

Vapor chamber



48MP
Pro Fusion camera system



Genlock

ProRes RAW



Ceramic Shield 2 front



Three stunning finishes



Center Stage front camera

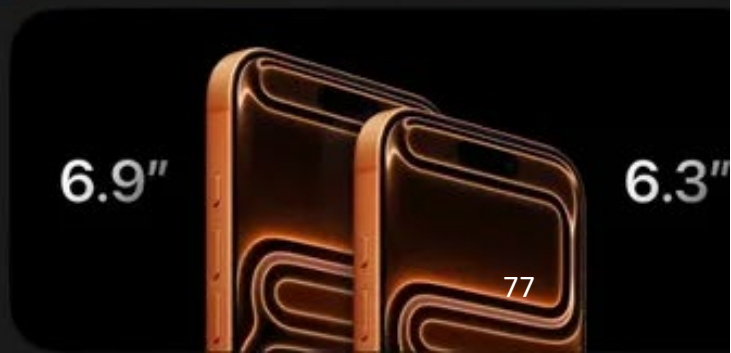
Apple Intelligence



Eight pro lenses in your pocket



Best battery life ever



6.9"

6.3"

Apple



- OS renaming and redesign
 - “MacOS26, iOS26....” year based for all devices
 - Merging design across devices. Based on Vision OS elements
- **iPhone Series 17**
 - iPhone “AIR”
 - A18 / A19 (Pro) Chipsets – Incremental performance
 - Display upgrades – 120Hz ProMotion

Health and Life Integrations

- AirPods Pro 3 to focus on in-ear heart rate and temperature sensing, possible real time language translation (late 2025?)
- Apple Watch – 5G and Blood Pressure monitoring
- HomePod – Smart Home Hub w/ integrated display

Apple Intelligence



Vitals



Sleep score

2x

More scratch-resistant glass



Smart Stack hints



100% recycled titanium and aluminum cases



Thinnest ever



ECG



Irregular rhythm notifications



5G



Fast charging



New Space aluminum



Hypertension notifications



Workout Buddy



**Hearing
Aid**

65%

Recycled plastic in the case



Dust and water resistance



iOS Workout experience



Hearing Test



Hearing Protection



Live Translation

Hola



Hello



Best-fitting AirPods ever



Heart rate sensor

**Extraordinary
sound quality**

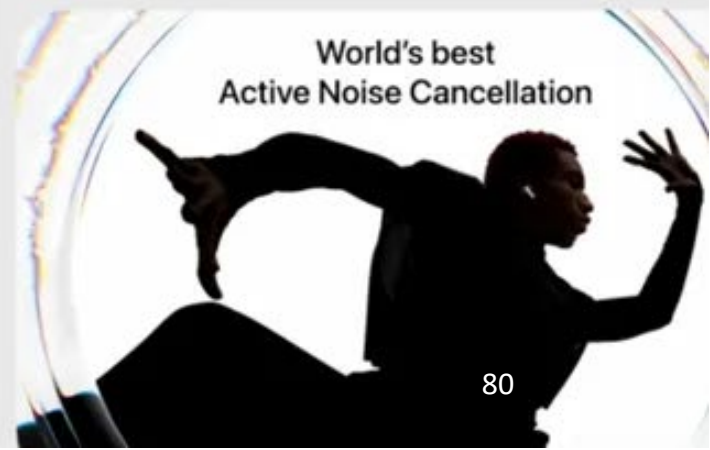
8 hours

Active Noise Cancellation

10 hours

Transparency with Hearing Aid

World's best
Active Noise Cancellation





Apple Intelligence

- Available beginning w/ iOS 18.1
- Compatible with iPhone 15 Pro & iPhone 16, iPad Pro & iPad Air (M1 or better)
- Initial features include:
 - Writing Tools
 - Siri enhancements, including product knowledge, more resilient request handling, new look and feel, more natural voice, the ability to type to Siri
 - Clean Up in Photos – eliminate unwanted objects
 - Create a Memory movie in Photos
 - Natural language search in Photos
 - Notification summaries
 - Reduce Interruptions Focus
 - Intelligent Breakthrough & Silencing in Focus
 - Priority messages in Mail
 - Smart Reply in Mail and Messages
 - Summaries in Mail and Messages





Backgrounds in Messages



Games



Widgets in CarPlay

Hold Assist

+1 (740) 555-0190
Hi, this is Christine from Customer Service. How may I assist you today?

Pick Up to Reply



End



Pick Up



Screen unknown calls and messages

Apple Intelligence

Foundation Model access



Tapbacks in CarPlay



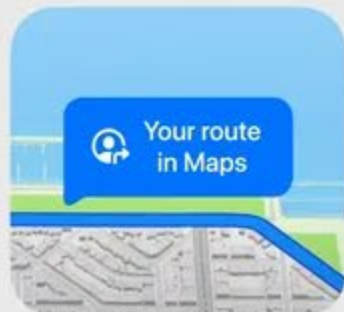
实时翻译
ライブ翻訳
Traduction en direct
Live Translation
Traducción en tiempo real

Tradução ao Vivo

실시간 번역



Polls in Messages



Window tiling



Updated Files app



New design



Games



Window controls



Genmoji appearances



Journal



Reed pen



Audio input selection

- Same as System
iPad Microphone
- iPad Microphone
- ✓ Bluetooth Microphone

Custom folders



All-new windowing system



Folders in the Dock



Live Translation

Preview



Exposé

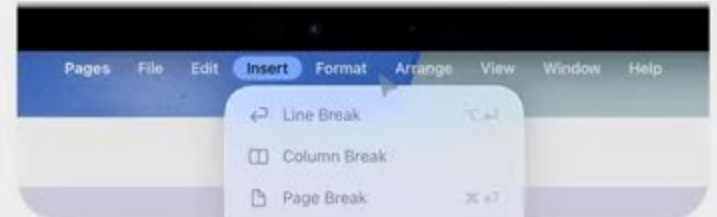


Background Tasks



Local audio/video capture

Menu bar



Perplexity



- **Offer to buy Google Chrome browser (Aug-25)**
 - \$34.5B (twice the value of Perplexity)!
- **Comet AI Browser (Launched July 2025)**
 - Perplexity's first AI-powered web browser
 - Intended as an agentic browser, functions like an executive assistant (Comet Assistant) — automating calendar entries, emails, and simple job functions for early adopters
 - Compare and summarize multiple open tabs
- **Product updates (Fall-25)**
 - AI Patent search
 - Live flight status
 - Expanded sports league coverage
 - Language learning on iOS
 - Slack connector
 - Real time currency conversion
- **Free AI models**
 - Sonar – in-house, optimized for real-time, web-grounded answers



Home



Discover



Spaces



Finance



Account

Account



perp

- Sonar
- GPT-5
- Claude Sonnet 4.5
- Gemini 2.5 Pro
- Grok 4
- Claude Opus 4.1 **max**
- o3-pro **max**

Ask anything. Type @ for mentions and

🔍 🗨️ 💡

🌐 🗑️ 🔗 🔊 📶

Perplexity



- **Focus on legal, finance, travel & education**
- **Strategic Partnerships**
 - Snap
 - Samsung
 - Gannett / USA TODAY Network
 - SAP
 - Nvidia
 - Paypal/Venmo
 - Motorola
 - Texas A&M
 - Wiley

Samsung



- **Perplexity AI to replace Google Gemini**
- **One UI8 Beta**
- Integrated Software / Automation platform
- Multimodal, personalized AI Agent
- **Wearables**
- Galaxy Ring 2 in development (2026+?)

Galaxy S25 Innovations and Design Changes

- S25 Edge (Europe) w/ slim 5.8mm profile, titanium, 200MP camera, Snapdragon 8 Elite chipset
- S25 FE (Fall 25) – budget version w/ 6.7” screen, 50 MP camera, larger 4,700mAh battery. Chip: (Exynos or MediaTek?)
- S26 Ultra – Thinner Design? May reduce or eliminate camera “bump”

Samsung Galaxy Z Fold 7



- Screen:
 - Outer - 6.5" / 2,316 by 904 pixels / 120Hz refresh rate
 - Inner - 8" / 2,160-by-1,856 / 120Hz refresh rate
- Snapdragon 8 Elite processor
- 200-megapixel main camera and a telephoto lens with 3x optical zoom, in addition to the existing 12-megapixel wide-angle lens
- Flex Mode: utilize bottom corner of screen as trackpad
- RAM: 12GB
- Storage: 256GB-1TB
- Wi-Fi 6E / Bluetooth 5.3
- 5G - mmWave and Sub-6 5G
- 4 colors
- Price: Starts at \$1,999
- Available: Now



Samsung Galaxy Z Flip 7

- Display:
 - Outer - 3.4" across / 748 by 720 pixels
 - Inner - 6.9" / 2,520 by 1,080 pixels / 120Hz refresh rate
- RAM: 8GB
- Storage: 256-512GB
- Battery—4,300mAh
- Wi-Fi 6E, Bluetooth 5.3
- 5G - mmWave and Sub-6
- 4 colors
- Price: Starts at \$1,100
- Available: Now



Samsung Galaxy Watch 8

- 40 mm / 44mm
- Display: 1.34" or 1.47", 480-by-480-pixel Super AMOLED, 3,000-nit
- OS: Android Wear OS
- Accelerometer, Heart Rate Monitor, GPS, Blood Oxygen Monitor, Pedometer, Barometer, Temperature Sensor, Gyroscope, ECG, Light Sensor
- Google Gemini built-in
- Memory: 2GB
- Storage: 32GB
- LTE connectivity
- Battery life: 26 hrs
- Colors: 2
- Price: \$349 / \$379
- Available: Now



Samsung Galaxy Watch Ultra

- 47mm
- Display: 1.5", 480-by-480-pixel Super AMOLED
- OS: Android Wear OS
- Accelerometer, GPS, Heart Rate Monitor, Blood Oxygen Monitor, Temperature Sensor, Pedometer, Gyroscope, Barometer
- Memory: 2GB
- Storage: 32GB
- LTE connectivity
- Battery life: 46 hrs
- Price: \$650
- Available: Now



Anthropic

ANTHROPIC

- **Company info**

- Founded 2021
- Valued at \$183B
- Projected FY25 revenue: \$5B
- 2nd largest AI company behind OpenAI

- **Models**

- Claude Sonnet 4.5 (Fall-25)
 - Upgraded model that delivers improved coding, math, and instruction-following
 - Touted as the world's best coding model, with multi-step reasoning, able to maintain autonomous workflows for nearly seven hours straight, outperforming previous versions in long-duration coding tasks

Anthropic

ANTHROPIC

- **Claude Gov (June 5, 2025)**
 - Specialized variant tailored for U.S. defense and intelligence agencies, with relaxed guardrails enabling more specialized tasks such as threat assessment and classified document analysis. It's already deployed in several top-tier government agencies
- **Financial Services (Jul-25)**
 - Unveiled a Claude interface for finance, consolidating data from PitchBook, Morningstar, and Daloopa to support analysts with seamless, multi-source market insights. This marks the company's first major vertical AI product



- **Grok 4 & SuperGrok Heavy (Jul-25)**
 - **Grok 4**
 - Flagship language model, marketed as the “smartest AI in the world” and benchmarked ahead of Google Gemini and OpenAI’s o3 in reasoning tests
 - New voice interface (“Eve” voice) with enhanced realism and conversational style.
 - Supports real-time camera input: users can point their camera and receive live scene analysis and insights during voice chat
 - **Grok 4 Heavy (aka SuperGrok Heavy)**
 - Available via a \$300/month subscription with multi-agent reasoning and enterprise-grade capabilities
 - Features a system called DeepSearch, which crawls the web and X (formerly Twitter) to gather real-time information and generate detailed summaries
 - **Colossus** - built by xAI in Memphis, now expanded to over 150,000 H100 and H200 GPUs, aiming to scale toward 1 million GPUs
 - **Tesla integration**

Amazon



• **Artificial Intelligence**

- Amazon app now features **AI-powered shopping assistants**, helping customers find products more efficiently.
- **Predictive Procurement** - leveraging AI-driven procurement tools to optimize supply chain efficiency.
- **AI-Powered Fulfillment Centers** - featuring advanced robotics and AI to improve efficiency and safety.
- **AI Package Spotlight System** - new AI-driven system helping delivery drivers locate packages faster, reducing errors and delays.
- Removed **all plastic air pillows** from its delivery packaging, reinforcing its commitment to sustainability.

- **Climate Pledge Fund Investments** – investments in **green technology startups** to accelerate carbon-neutral solutions.

• **AWS**

- Amazon Nova Foundation Models - a new family of AI models available in Amazon Bedrock, designed for text, image, and video processing.
- Trainium3 AI Chips - next-gen AI chip, built for high-performance deep learning and generative AI workloads.



Amazon Q

- Amazon Q is a generative AI assistant that transforms how work gets done
- Products
 - Amazon Q Business
 - Makes generative AI securely accessible to everyone in your organization. Leveraging your own company's content, data, and systems,
 - Amazon Q Developer
 - AI-powered assistant for building, operating, and transforming software, with advanced capabilities for managing data and AI/ML. Amazon Q Developer goes beyond coding to help developers and IT professionals with all of their tasks— from coding, testing, and deploying, to troubleshooting, performing security scanning and fixes, modernizing applications, optimizing AWS resources, and creating data engineering pipelines

OpenAI/AWS – Strategic Partnership

- Nov-25
- Multi-year, strategic partnership
- OpenAI access to Amazon EC2 UltraServers, featuring hundreds of thousands of chips, and the ability to scale to tens of millions of CPUs for its advanced generative AI workloads.
- \$38B commitment

OpenAI



Meet Echo Dot Max

Music (and more)
to your ears



Room-filling
sound



Alexa Home
Theater



Built-in smart
home hub



Designed for
Alexa+

Meet Echo Studio

Immersive sound and
crystal-clear vocals



Spatial
audio



Clarity and
depth



Alexa Home
Theater



Designed for
Alexa+

Meet Echo Show 8

Powerfully smart,
beautifully built



8.7" HD
display



Spatial
audio



13 MP
camera



Designed for
Alexa +

Meet Echo Show 11

New size with more viewing area



11" Full HD
display



Spatial
audio



13 MP
camera



Designed for
Alexa +

Meta



- **Meta AI App (Apr-25) – “Personal AI Assistant”**
 - Web or stand-alone app for iOS and Android
 - Built on Llama 4
 - Multi-modal – text, voice & image
 - Voice-based duplex conversations
 - Able to perform web searches, helping with research, recommendations, and staying up to date
 - Includes a “Discover” social feed showcasing public user prompts and AI-generated responses.
- **Defense Collaboration: EagleEye XR System**
 - Working w/ Defense Tech Firm Anduril
 - XR based system to allow deep AI integration and enhance battlefield awareness and decision making
- **VR Gaming: Continued Investment and Growth**
 - 100 VR titles, 200 more in development
 - 30% growth in monthly headset usage in ‘24

META AI glasses (\$299-\$499)



- 12 MP ultrawide camera with 100° FOV for UHD photos and videos
- 2 discreet open-ear Bluetooth speakers and a custom 5-mic array
- 32 GB flash storage (1,000+ photos, 100+ 30s videos)
- Up to 8 hours of battery life on a single charge; up to 48 hours with fully charged carrying case.
- Send text or voice messages, make phone calls, take photos, real time translation
- Transition lenses (indoors/outside). Rx lenses if needed
- Bystander privacy (capture LED)
- Meta AI app

Gadgets

Sightful Spacetop Bundle - \$899 (+\$200/yr)



- AR Glasses (XREAL Ultra Air2)
- Software Subscription (SpaceOS)
- Prescription Lens options
- Can use w/o Internet for 7 Days
- Access to Enterprise Apps
- Toolbar Overlay
- NO Computer Included – Windows 11 / AI Powered PC Laptop Required

XREAL ONE PRO AR - \$649



- Video display AR glasses
- Gaming, watch movies, extended desktop display
- Theater/Shade/Clear modes
- X1 Chip – No software required (USB-C)
- Sony 0.68” Micro OLED
- 3 Degrees of Freedom (Tracking)
- 147” Spatial Screen, 57 Degree Field of View
- 3MS Ultra Low Latency
- Bose Audio



PLAUD Note

- AI note taker
- Record / Transcribe / Summarize
- Transcription
 - Included - 300 min/mo.
 - Pro Plan – 1200 min/mo. \$8.33
- 64GB memory
- 30 hrs continuous recording
- Supports 112 languages / 97% accuracy
- Magsafe
- 1.04 oz
- \$159

Thumb-sized, mega power



PLAUD NotePin

- Wearable AI note taker – Powered by Plaud Intelligence
- Record / Transcribe / Summarize
- Transcription
 - Included - 300 min/mo.
 - Pro Plan – 1200 min/mo. \$8.33
- 64GB memory
- 20 hrs continuous recording
- Supports 112 languages / 97% accuracy
- \$159

Open AI



- **Acquisition of Jony Ive's io**
 - Acquired hardware company io in May-25, founded by former Apple designer Jony Ive, for \$6.4–6.5 billion to develop new AI-native hardware devices distinct from smartphones/PCs
 - “Ambient” AI companion device (no screens) that blends OpenAI’s software with elegant hardware design.
 - Natural conversational communication
 - Compatibility with smart home systems, wearable technology, and workplace tools





Stream Ring

- Augmentation Tool
- Consists of a ring and a companion app on your phone
- Wear the ring on your dominant index finger, raise your hand slightly when inspiration strikes, press the tiny touchpad and speak softly
- Stream creates notes inside the app
- \$249 (pre-order)
- Avail: Summer-26

Iyo One

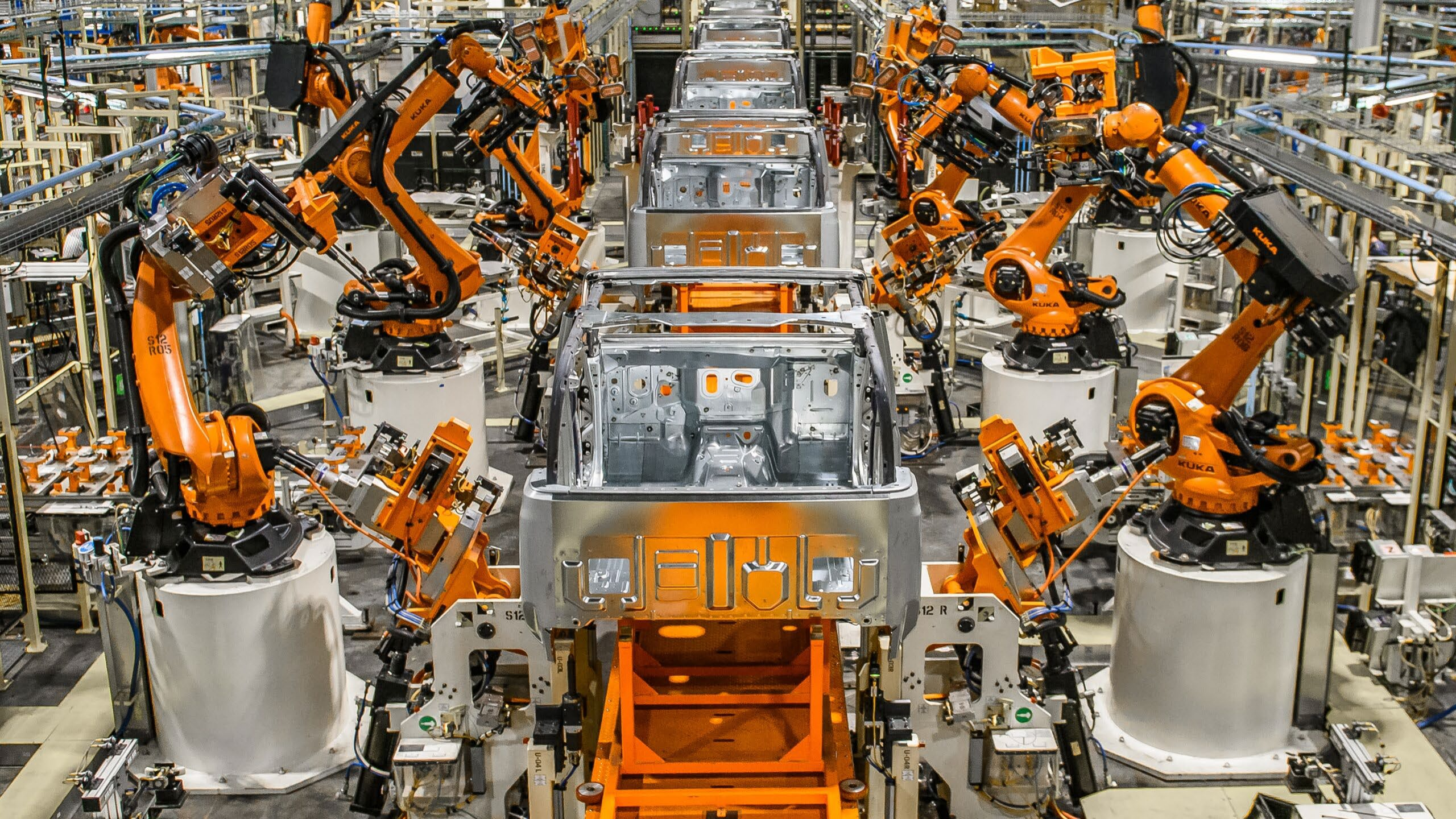
- GenAI earbuds
- Filter out unwanted (background) noise
- Real-time translation
- Workout coach
- All day battery life
- Price - \$599 (WiFi), \$699 (cellular) – no monthly subscription

IYO



Robotics









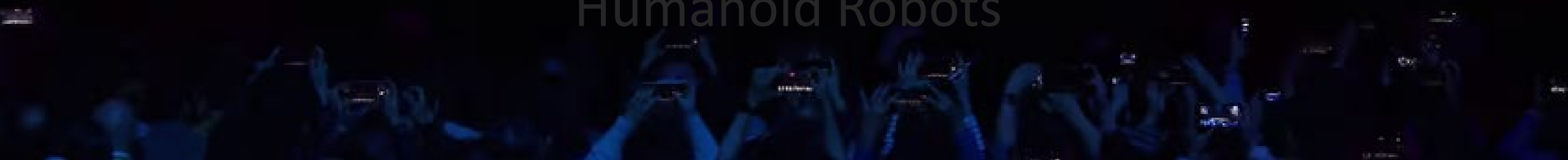


SOMATIC

BCR-01

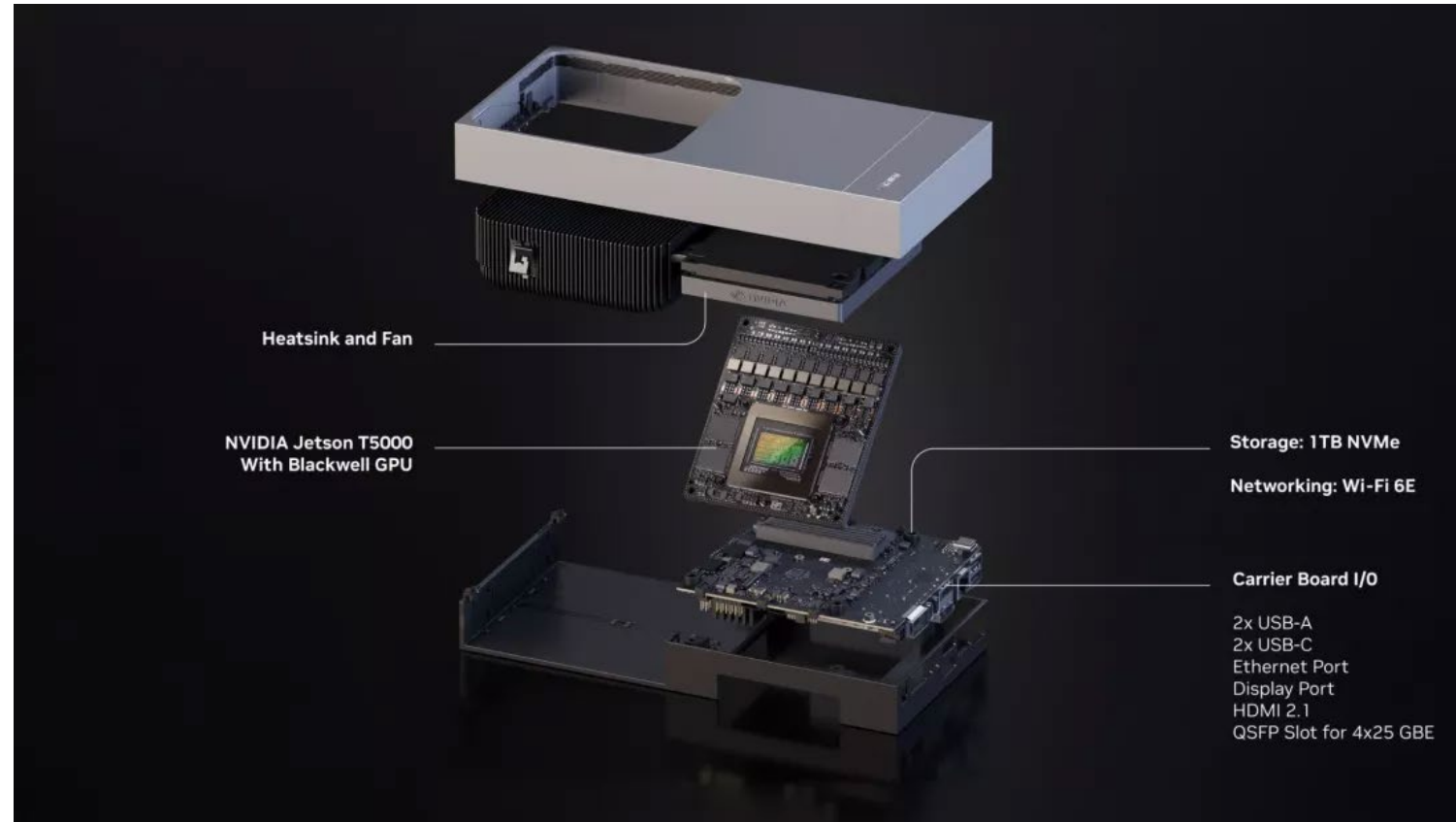


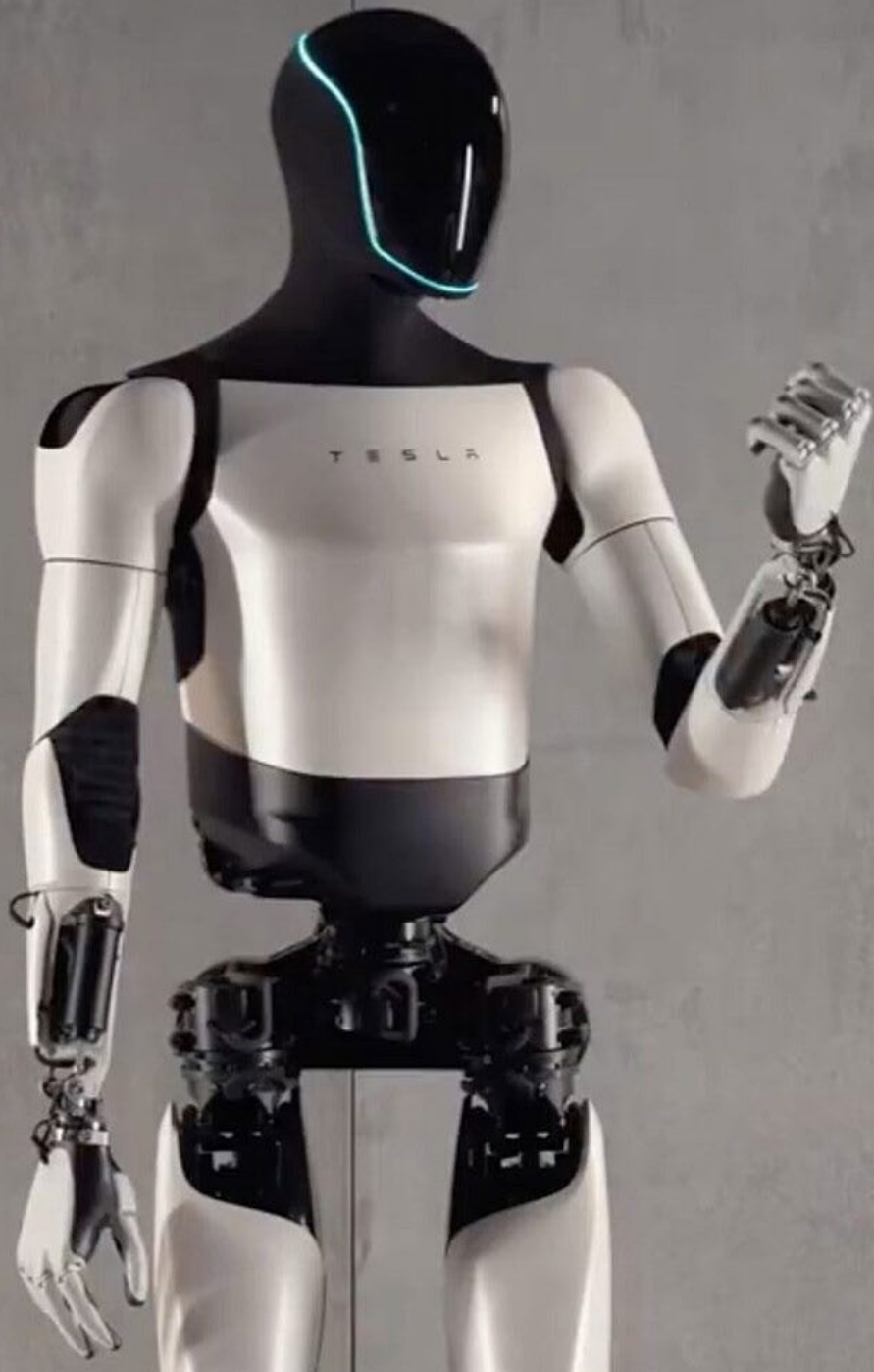
Humanoid Robots



NVIDIA Jetson Thor

- “Robot brain” AI computer with real-time decision-making
- Multiple AI models simultaneously
- 2,070 TFLOPs
- \$3,499





Tesla Optimus

- Requires teleoperation today, i.e. software still being developed
- SpaceX sending to Mars
- Avail: 2026

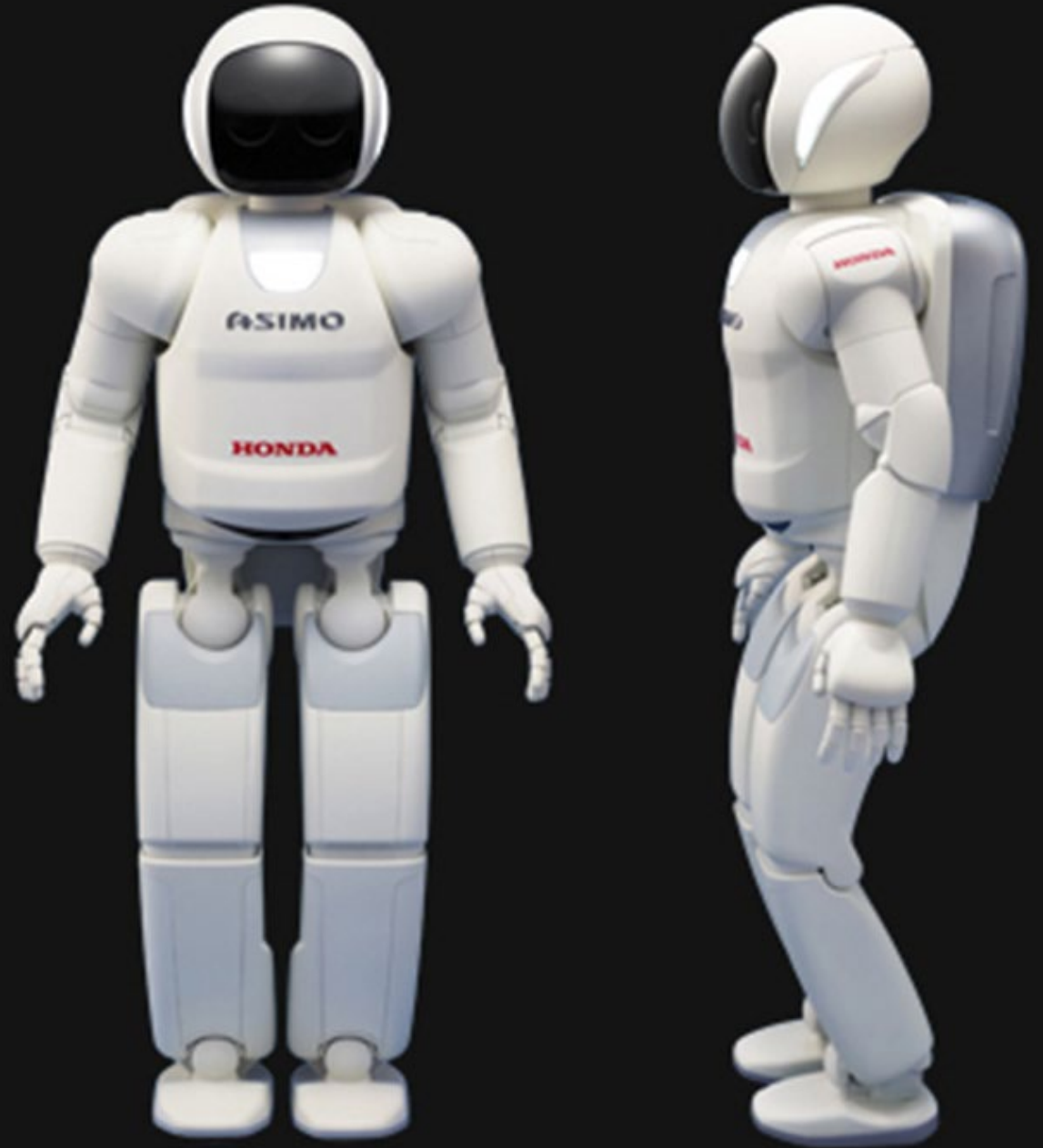


Boston Dynamics

- Products
 - Atlas humanoid robot (concept)
 - Spot "dog"
 - Stretch
- Commercial use:
 - Inspection
 - Warehouse automation
 - Fleet management
- Avail: Now
- <https://bostondynamics.com>

Honda Asimo

- High-level postural balancing
- External recognition
- Autonomous behavior
- 4.3 ft tall
- 40 min (walking)



Kepler Forerunner K2



- General-purpose humanoid robot
- 1-hour charge, 8-hour use
- Commercial focus
 - Inspection
 - Automated production line
 - Warehousing & logistics
 - High risk environments
- Avail: Now

Unitree R1

- Four feet tall
- 55 lbs
- One hour activity per charge
- WiFi 6 / Bluetooth 5
- Camera, mic & speakers
- Doesn't have dexterous mitts, i.e. can't grip and manipulate objects
- Focus: research & education
- \$6K



1X Neo

- Performs numerous household chores: fold laundry, run a vacuum, tidy shelves, bring in the groceries. It can open doors, climb stairs and even act as a home entertainment system.
- Able to lift up to 154 pounds and carry 55 pounds
- 4-hour run time
- Built in LLM
- \$20,000 or \$499/mo - \$200 deposit
- Avail: 2026



Amazon – Robot workforce

- Amazon plans to automate roughly 75% of its fulfillment tasks, replacing human pickers and packers with robots.
- Analysts estimate this could make **500,000 to 600,000** warehouse jobs redundant over the next decade.
- Robots promise not only faster order processing but also fewer workplace injuries.
- Morgan Stanley projects that robotics could save Amazon about \$10 billion annually by 2030.



Next steps...

- AI embedded/arriving in virtually all applications (tax, audit, CRM, Zoom, file storage, etc.) and devices (laptops, smart mobile, etc.)!
- Generative AI
 - Available in virtually all browsers
 - Pay for a service, or two
 - Use daily
 - Innovation team / lunch-n-learns / hack-a-thon
- Consider your own (horizontal/vertical) use cases
 - Greatest challenge
 - Impact on the business
 - Ideal solution
 - Lather-rinse-repeat
- Be proactive! Let's Go!





Thank You for Joining!

David Cieslak, CPA.CITP, GSEC
EVP, Chief Cloud Officer

Email: dcieslak@rklesolutions.com

Phone: 717.409.8835

Connect on Twitter & LinkedIn:

X :@dcieslak

[in](https://www.linkedin.com/in/davidmcieslak) : [linkedin.com/in/davidmcieslak](https://www.linkedin.com/in/davidmcieslak)

