

AI PC Silicon Innovation & the Future of Work



Why now is the time to invest in a PC and ecosystem refresh

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 Dell Technologies

Accelerate from ideas to innovation

Modernize your Workplace



DELLTechnologies



Challenges to modernizing



Refresh to AI PCs



47%

of ITDMS plan to consume AI in software and run it locally on AI PCs in the next 12 months.¹



Personalized Workspaces



95%

of end-users are interested in peripherals that could substantially augment GenAI processing power.²



Simplify IT



60%

of ITDMS are concerned about their organizations ability to effectively manage their device and protect their data.¹




Advance Sustainability



80%

of ITDMS agree that need help of a third-party partner to achieve their sustainability goals.¹



A new era of PCs built with a new PC architecture for power, speed, and AI innovation

Run the right workload on the right engine, at the right time.

CPU

Central Processing Unit

Executes general-purpose instructions and essential tasks

GPU

Graphics Processing Unit

Handles complex graphical tasks and parallel processing tasks

NPU

Neural Processing Unit

Specifically designed to handle AI workloads on-device

dGPU

Discrete GPU: Dedicated graphics processing unit with its own memory, optimized tasks like AI training & high-res image generation

Navigating The AI PC Landscape with Dell AI PC

Silicon innovation and AI experiences across our portfolio



Dell Pro Laptops Portfolio, Dell Pro Rugged, Select Dell Pro Max Laptops



NPU/GPU
Based

Essential AI PCs

Devices featuring a built-in NPU running AI workloads locally with **10+ TOPs**



Dell Pro Premium, Select Dell Pro/Dell Pro Plus Laptops, Select Dell Pro Max Laptops, Latitude 7455/5455



NPU Based

Copilot+ PCs

Devices featuring a built-in NPU running AI workloads locally with **40+ TOPs**



Dell Pro Max Plus 16/18, Dell Pro Max Micro, Dell Pro Max Tower T2, as well as Dell Precision 5000, 7000 Series towers and rack workstations



GPU & CPU
Based

High-performance AI Workstations

Workstations for AI development, deployment, fine-tuning locally on device











Simplest PC and ecosystem portfolio for the AI era

Dell

Formerly XPS, Inspiron and Vostro



Designed for play,
school & work








Premium/UltraSharp	 
Plus	  
Base	  

Dell Pro

Formerly Latitude and OptiPlex



Designed for professional-grade
productivity







Premium/UltraSharp	 
Plus	 
Base	  

Dell Pro Max

Formerly Precision



Designed for maximum performance

Premium/UltraSharp	
Plus	 
Base	  

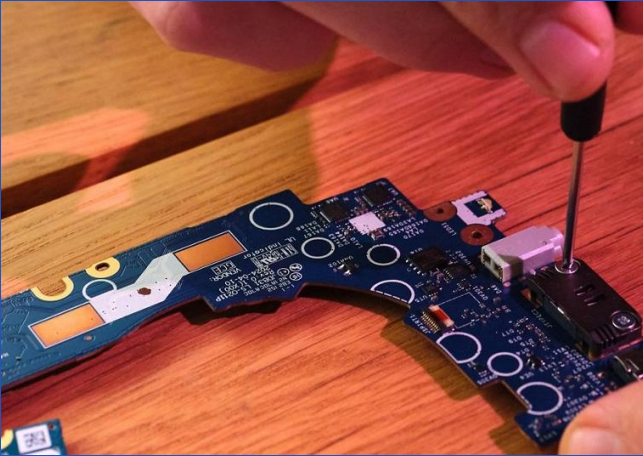
Premium tier = Most mobile and design forward

Plus tier = Most scalable performance

Base model = Essential performance and productivity

Dell Pro notebook portfolio sets a new standard for professional-grade computing

Dell Pro Notebook Portfolio



Modular USB-C with:

- **4x** better twist resistance¹
- **33x** better impact resistance¹

Sustainable materials

- **50%** recycled cobalt in select batteries²
- Up to **80%** less cobalt in select batteries²



Dell Pro Premium



Dell Pro 14 Premium is the world's first commercial notebook to offer a Tandem OLED display³

Vs. a traditional rigid OLED display Tandem OLED displays are:

- **24%** more power efficient⁴
- **49%** lighter⁴



Dell Pro Plus / Dell Pro



Scalable and simple to manage with only 2 BIOS per silicon vendor across sizes, form factors, and a range of processor options.

Elevated designs with:

- Aluminum chassis on Dell Pro Plus & metallic finish option on Dell Pro
- 16:10 aspect ratio displays



1. Applies to Dell Pro, Dell Pro Plus, and Dell Pro Premium notebooks launching in 2025. Based on internal comparison of the solder connection on Latitude 7450 vs screwed connection testing data of the Dell Pro Premium laptop subject to a standard repeated axial load and a standard wrenching torque in multiple directions. New USB-C port design is as screwed on connection for easier repairs and improved durability. Read warranty information for USB-C port replacement instructions.

2. Based on internal analysis. On Dell Pro and Dell Pro Plus, entry battery (45 whr) uses NCM technology and has 80% lesser cobalt compared to LCO technology. Upsell battery (55 whr) is made with 50% recycled cobalt. On Dell Pro Premium, 50% recycled cobalt in the PC battery (40Whr and 60Whr).

3. Based on confirmation from Tandem OLED panel vendor (LG Display USA), November 2024.

4. Based on Dell internal testing, November 2024

Modern Solutions for the Modern Workplace

Mobile & Fixed PCs



Dell
Laptops & Desktops



Dell Pro
Laptops & Desktops



Dell Pro Max
Laptops & Desktops



Dell Pro Rugged



Dell Thin Clients

Silicon Diversity

intel. AMD

nvidia. Qualcomm

AI Built In

- AI PCs, Copilot+ PCs for Business Workers
- High Performance AI PCs for Developers

Displays & Accessories



Monitors



Docking Stations



Keyboard, Mice &
Active Pens



Audio



Webcams



Bags



Power
Adapters



Cables
& Adapters



Monitor Arms &
Stands

IT Solutions



Dell Endpoint Security
Dell Trusted Workspace



Dell Manageability Solutions
Dell Management Portal
Dell Device Management Console

IT Services



APEX PCaaS



Employee Experience
Measurement Services



Lifecycle Hub Services



Implementation and Migration
Services for Windows 11



Dell ProDeploy Suite for PCs



Dell ProSupport Suite for PCs



Asset Recovery Services

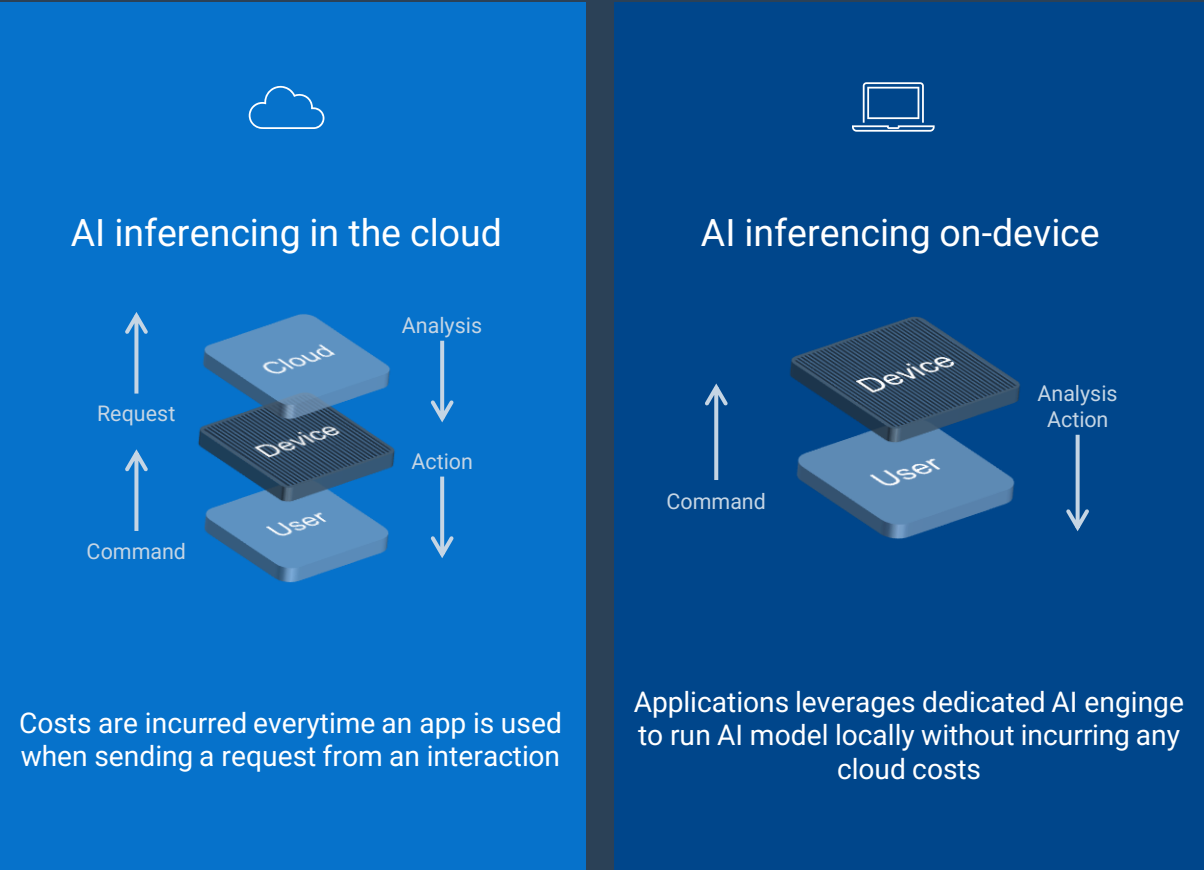
End-to-end Sustainability

Embedded across
our products,
packaging, and
supply chain

- Reducing Product Carbon Footprints (PCFs)
- Building Durable & Reliable PCs
- Designing with Recycled & Renewable Materials
- Improving Energy Efficiency

Free AI inferencing begins on-device

As AI tools become standard, every prompt, summarization, or generation tasks add recurring cloud costs. But, AI PCs can handle these tasks locally, cutting cloud expenses



Designed for versatility and exceptional performance

Dell Pro Desktops



Offered in Tower, Slim, Micro and All-in-One form factors

Simplify IT management

- Tool-less design for easy upgrades and servicing
- Single BIOS per silicon vendor across Towers, Slim and Micro form factors



Dell Pro Max with GB10 & GB300



AI powerhouses for AI development at the deskside

Powered by NVIDIA Grace Blackwell architecture and pre-installed with powerful NVIDIA DGX OS Software Stack platform.



Dell Pro Max Plus



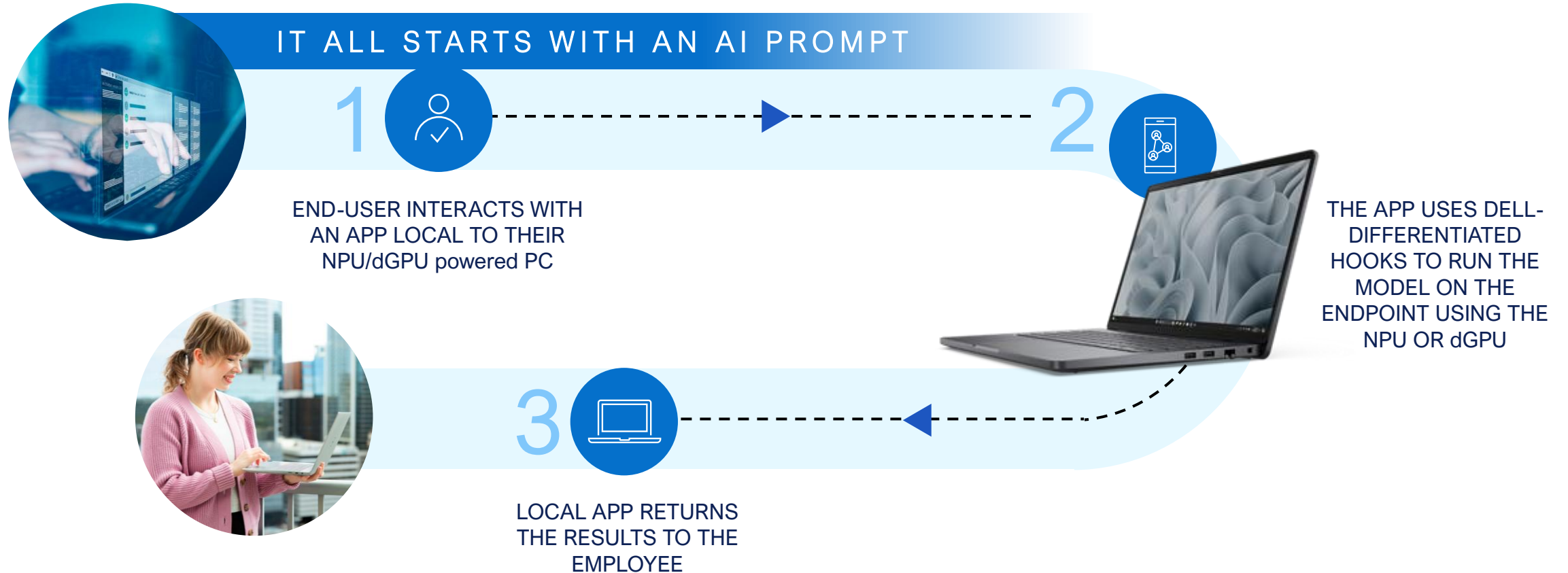
World's first mobile workstation with an enterprise-grade discrete NPU¹

Powered by Qualcomm® AI 100 PC Inference Card



1. Based on an internal analysis of workstation providers, no one has an "enterprise-grade" discrete NPU in market. May 1, 2025.

AI inferencing is moving on-device for speed, cost, and security



Right size for your use case and scale with Dell Pro Max

Purpose-built for AI Development

Dell Pro Max
with GB10



Dell Pro Max
with GB300



Support DGX Base
OS & Ubuntu Linux

Powered by
NVIDIA's Grace
Blackwell
architecture

Preconfigured with
NVIDIA AI Enterprise
software platform

Consistent hardware &
software environment
within

Dell AI Factory
with NVIDIA

from desktop to
data center

Broader solutions for all your AI Needs

Dell Pro Max
Laptops



Dell Pro Max
Desktops



Running Windows,
catering to a wider
range of professionals

Built on NVIDIA's
RTX PRO Blackwell
architecture

Supports NVIDIA AI
Enterprise software
platform

← NVIDIA AI Enterprise →
One consistent experience with the software layer across the Dell Pro Max portfolio

Dell and NVIDIA AI Developer portfolio

POLL

Number of Parameters

Really large

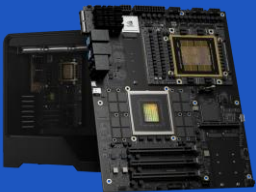
600B

405B

200B

153B

51B



Pro Max GB300
(784GB)



4x GPU
Precision Tower 7960 Workstation
(384GB)



2x Dell Pro Max GB10
(200GB)



Dell Pro Max GB10
(100GB)



1x GPU
Dell Precision Towers and Pro Max
T2 Workstation
(96GB)



1x GPU Alienware PC
(32GB)

* Estimates based on available GPU memory in bytes * 2 for FP4 data minus 20% for overhead running model
**Pro Max GB10 128GB total system memory, 100GB available for user data

The Solution:

Dell Pro AI Studio

A free and comprehensive toolkit to design, customize, deploy, and manage AI apps that leverage the power of the NPU on Dell AI PCs.

- + Designed to save AI developers and IT administrators time
- + Features safe and secure Dell-validated templates and models
- + Enables seamless AI lifecycle management
- + Save cloud costs and maximize AI PC value with on-device inferencing

Core Components

1

Models via Dell Enterprise Hub

Access seven pre-validated AI models for rapid development

2

Dell AI Framework

Standardizes workload execution across multiple hardware architectures simplifying scalability

3

Dell Deployment Scripts

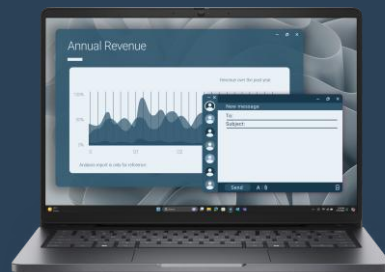
PowerShell scripts for quick packaging and deployment

**Available globally, English only*

Technical Compatibility

- Applications created with Dell Pro AI Studio only run on Dell AI Copilot+ PCs
- Intel or Qualcomm chipsets only (at GA)
- NPU with minimum of 40 TOPS
- Microsoft Windows 11 Pro or higher
- .NET Desktop Runtime 8
- ASP.NET Core Runtime 8.x

30+ YEARS OF
CUSTOMER-LED
INNOVATION

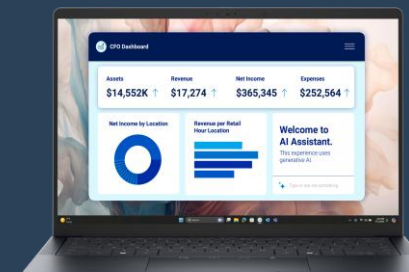


Dell Pro 14/16
Sets a new baseline in durability and portability delivering robust security and essential productivity, including on-device AI options



Dell Pro 13/14 Plus
A step up in scalable performance, collaboration, and connectivity; packaged in a sleek, durable aluminum design

Configurable to meet the unique needs of every professional, including Copilot+ PC options



Dell Pro 13/14 Premium
Ultimate in design and mobility for the Dell Pro laptop family. Ultralight and quiet Copilot+ PCs with premium collaboration features, sharp displays and exceptional battery life

Powered by
intel. **AMD**

Dell Pro Laptops

Designed for professional-grade productivity

The Dell Pro laptop family combines exceptional performance, sleek design, and innovative durability to power your workday. Dell Pro is trusted by IT professionals for industry-leading security, effortless manageability, and a strong commitment to sustainability.

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- Questions?
- See you after this presentation

Thank You