



From Vision to Transformation

AI PCs for Every Industry



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AI is changing how industries solve problems, streamline operations, and create new possibilities. Whether it's personalized education, smarter healthcare, or reimagined manufacturing, **nobody wants to be left behind.**

Imagine smarter, faster, and more personalized solutions tailored to your industry. Dive deep into real-world use cases and the boundless opportunities that AI PCs bring to the table

Discover how AI PCs can transform your industry and how you work.



K-12 Education



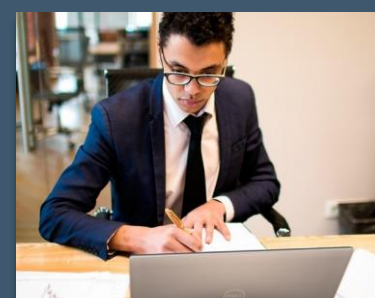
Higher Education



Retail



Healthcare



State & Local
Government



Financial Services



Media &
Entertainment



Manufacturing,
Engineering, AEC &
Logistics



Transforming the Modern Classroom

Technology is reshaping education, making learning more accessible and personalized than ever. Today, AI PCs allow teaching and learning to easily become dynamic and effective.

AI PCs are giving educators and students the ability to create personalized lesson plans. They leverage AI technology to adapt content and study materials for individual learning needs. This ensures every student receives support tailored to their unique style.

BY THE NUMBERS

53%

53% of educators strongly agree that AI enables teachers to be more efficient¹

32%

32% of educators strongly agree overall AI technology is a positive force in K-12 education¹

Based on DATIA K12, 2024 Report: AI in K-12 Education

Key Challenges Facing K-12 Education Today

The modern K-12 landscape presents both opportunities and significant hurdles, requiring innovative solutions to foster a more effective, inclusive, and future-focused learning environment.

Limited Personalized Learning Opportunities

Every student learns differently, but traditional teaching methods often struggle to address individual needs. This one-size-fits-all approach can leave some students behind, while others may not feel challenged enough to reach their full potential.

High Teacher Workload

Teachers face mounting responsibilities, from grading assignments to preparing lessons and managing classroom activities. This workload can lead to burnout and reduced focus on teaching quality.

Student Engagement Decline

Keeping students motivated and engaged has become more challenging, especially as digital distractions grow. Traditional methods often fail to capture their interest and curiosity.

AI-driven smarter learning for K-12 education

Master the material, tackle assignments

With numerous assignments and projects, AI tools help students quickly summarize lengthy materials, turning classroom content into clear key points. This enables them to better understand and apply what they've learned in the classroom to their academic work.

Curate educational content

Inspire education with lesson plans customized to students' needs by leveraging Generative AI tools to create supplementary materials, interactive activities, and generate detailed lecture notes. Create hands-on assignments that reinforce learning and spark enthusiasm in the classroom.

Virtual tutoring with a digital assistant

Students facing challenges in subjects like math or science can receive personalized tutoring through AI Digital Assistants that engage conversationally, offering clear explanations and answering questions with tailored support based on the topic.

AI PCs for K-12 Education

[Dell 14/16](#)

[Dell Pro 14/16](#)

[Dell Pro Max 14/16](#)

Buy AI Solutions:

Microsoft 365 Copilot, Copilot + (Live Captions, CoCreate), Canva AI, Cephable, Omnibridge, Norby

Build AI Solutions:

Dell Pro AI Studio
Dell Professional Services for AI
Dell Accelerator Services for RAG on Dell Pro Max AI PCs

Driving AI cross Campus

Higher education institutions today extend beyond the physical traditional walls of colleges and universities. With AI, institutions can deliver seamless, personalized educational experiences that empower educators, streamline operations, and foster deeper student engagement.

AI PCs can help faculty and staff adapt to varied teaching methods, optimize learning paths, and provide actionable insights, allowing them to focus on student success.

BY THE NUMBERS

72%

72% of participants were enthusiastic about using AI to support faculty and students in the learning experience¹

84%

84% of respondents were enthusiastic about using AI to have deeper processing of data¹

Based on Anthology Whitepaper, [AI Usage in Higher Education Administration: Where Do Need It?](#)

Key Challenges Facing Higher Education Today

Institutions need to adapt to rapidly evolving technologies, foster innovation, and equip both students and educators with the skills needed to thrive in an AI-powered future.

Integrating Generative AI into Education

Institutions struggle to leverage AI tools like generative AI effectively, despite their potential to deepen learning and enhance teaching. Concerns over inappropriate use and data privacy cause hesitation.

Building AI-Enabled Collaboration & Learning

Students and faculty often face challenges in creating inclusive environments when collaborating due to communication barriers and hybrid learning environments. Additionally, those with disabilities often lack tools they need to participate in class work.

Accelerating Academic Breakthroughs

Academic researchers often encounter delays in discoveries and innovation due to inefficient technology, which hampers their ability to analyze large datasets, perform simulations, and process complex models effectively.

Innovative Learning Experiences with AI for Higher Education

AI-Powered Group Projects

International students can easily collaborate with other multilingual students in group projects, with real-time language translation and transcription helping them focus on their academic work, rather than struggling with language barriers.

Accelerating Discoveries

Researchers can move from theory to results quickly by accelerating complex data processing and quickly identifying patterns, anomalies, and correlations in large datasets with High Performance AI PCs, used in fields like genomics, climate science, and medical research.

Supporting Students with Disabilities

Enhance digital experiences in libraries and computer labs by enabling students with disabilities to interact with devices using voice commands or head motions, allowing independent navigation of digital learning tools and educational resources.

AI PCs for Higher Education

[Dell 14/16](#)

[Dell Pro 14/16](#)

[Dell Pro Max 14/16](#)

Buy AI Solutions:

Copilot+ Features: Live Captions, Canva AI, Adobe Sensei, MATLAB, TensorFlow, Cephable, Canvas LMS

Build AI Solutions:

Dell Pro AI Studio
Dell Professional Services for AI
Dell Accelerator Services for RAG on Dell Pro Max AI PCs



Powering the Store of the Future

Today's retail sector operates in an incredibly dynamic environment, where meeting rising customer expectations, managing complex supply chains, and responding to rapid market changes are critical for success.

Leveraging AI propels retail transformation by enhancing omnichannel strategies, streamlining product flows, and delivering a seamless, customer-centric buying journey.

BY THE NUMBERS

80%

80% of retail executive expect their companies will use automation technologies by 2025 increasing annual growth by up to 10%¹

40%

40% of retail executive reported their organizations are already using some form of intelligent automation¹

Based on Analytics Insights Market Trends, [80% of Companies will Adopt Intelligent Automation by 2025](#)

Key Challenges Facing Retail Today

Many retailers grapple with challenges like ensuring precise inventory management or leveraging vast amount of data for actionable insights leaving business struggling to remain competitive.

Delivering Personalized Shopping Experiences

Customers expect tailored experiences, whether shopping in-store or online. Analyzing shopping behaviors and preferences allows retailers to deliver personalized recommendations, promotional offers, and a seamless buyer's journey.

Operational Efficiency at Scale

Managing retail operations across multiple stores or warehouses can be overwhelming. Automating and simplifying complex tasks such as demand planning, staffing optimization, and logistics management reduces manual intervention, saving both time and resources.

Smarter Inventory Management

Poor inventory control causes overstocking, stockouts, and lost revenue. Intelligent algorithms streamline management, forecasting demand, optimizing stock, and reducing waste, giving retailers real-time insights to act swiftly.

Optimizing Every Aspect of Retail Operations with AI

Demand Forecasting

Retailers can analyze vast volumes of transactional, seasonal, and market trend data in near real time. AI algorithms can help retailers forecast demand with precision by identifying purchasing patterns, spotting emerging trends, and anticipating shifts in consumer preferences.

Personalized Customer Insights

Developing personalized marketing strategies with AI powered recommendation engines can offer targeted product suggestions based on past purchases with customer data from purchase history and browsing behavior to demographics and preferences.

AI Integration for Omnichannel Strategies

AI integration on retail networks can ensure accurate, real-time syncing of inventory data between online stores, physical outlets, and warehouses. This creates transparent product availability, enabling features like “buy online, pick up in store” or “ship from store” for a seamless omnichannel retail experience.

AI PCs for Retail

[Dell Pro 14/16](#)

[Dell Pro Max 14/16](#)
[Dell Pro Max Desktops](#)

Buy AI Solutions:

M365 Copilot, Copilot + PC (Live Captions). Trend Micro, McAfee, Scandit Smart Data Capture, Microsoft Dynamics 365 Retail

Build AI Solutions:

Dell Pro AI Studio
Dell Professional Services for AI
Dell Accelerator Services for RAG on Dell Pro Max AI PCs



Shaping the Future of Patient Care

AI is redefining how providers deliver care, optimize operations and advance medical research. AI-powered tools streamline administrative tasks, allowing professionals to focus more on patient care.

By enabling early detections, personalized treatments and faster discoveries, AI is turning challenges into opportunities for better care and innovation. AI is unlocking new pathways to healthier lives and more efficient, connected healthcare systems.

BY THE NUMBERS

86%

86% of healthcare organization in Asia/Pacific are using AI, while 59% are utilizing GenAI technology¹

40%

40% of Asia/Pacific's healthcare providers plan to increase IT budgets to accommodate GenAI use cases¹

Key Challenges Facing Healthcare Today

Healthcare is evolving, but complex challenges stand in the way of better care. From addressing individual patient needs to improving operational efficiency, overcoming these obstacles is key to unlocking a smarter, more advanced future in medicine.

Limited Personalized Patient Care

Healthcare often relies on one-size-fits-all approaches, which fail to address the unique needs of every patient. This lack of hyper-personalized care can hinder patient engagement and lead to suboptimal health outcomes.

Inefficiencies in Patient Monitoring & Response Times

Real-time patient monitoring is critical for managing chronic illnesses, tracking recovery, and ensuring early detection of potential issues. However, traditional monitoring systems can be slow in generating insights or may not effectively escalate urgent cases, putting patient safety at risk.

Administrative Inefficiencies

Healthcare facilities often struggle with time-consuming administrative tasks such as billing, appointment scheduling, and patient record management. These processes can drain valuable resources, leading to delays and operational bottlenecks.

Improving Healthcare Service and Patient Outcomes

Clinic Workflow and Resource Optimization

AI revolutionizes clinical workflows by automating routine tasks, enhancing decision-making, and optimizing resources. With predictive analytics, hospitals can manage patient flow, detect diseases early, minimize surgical risks in real time, and reduce clinician burnout through smarter staffing and workload management.

AI-enabled Customer Service and Self Services

Virtual health assistants and chatbots are revolutionizing patient services by delivering hyper-personalized care. They empower patients to take charge of their health with features like self-service appointment scheduling, real-time health monitoring, and 24/7 query assistance, all seamlessly connected through advanced clinical data platforms.

Transforming Patient Care

AI-driven applications can handle real-time patient monitoring to precision diagnostics, these systems empower medical professionals to make faster, more accurate decisions. Their ability to analyze massive amounts of data equips providers to detect patterns, predict conditions, and personalize treatment plans, putting patient care at the forefront.

AI PCs for Healthcare

AI PC for Clinician Mobility, EHR Access, Rounding, Telemedicine

Dell Pro 13/14 Premium

AI PC for Training

Dell Pro Max with Blackwell GPUs

Buy AI Solutions:

M365 Copilot, NVIDIA AI Enterprise, NVIDIA Clara Guardian

Build AI Solutions:

Dell Pro AI Studio
Dell Professional Services for AI
Dell Accelerator Services for RAG on
Dell Pro Max AI PCs

State & Local Government

Building Effective Governments

For local and state governments, the potential of AI is not just theoretical; it's practical, actionable, and within reach today. By applying AI solutions, government agencies can streamline routine operations, improve infrastructure management, and deliver services that truly meet the needs of their communities.

AI can help powerful it can help governments operate efficiently, connect with citizens in meaningful ways, and tackle pressing challenges with accuracy

BY THE NUMBERS

70%

70% of IT executive cited plans to use AI as a virtual customer service co-pilot/chatbot in local government operations¹

42%

42% of IT executives cited plans to use AI as a query assistant and incorporate into workforce training²

Based on Public Technology Institute, [AI and City/County Government Survey Results](#)

Key Challenges Facing State & Local Government Today

State and local governments face increasing demands to deliver efficient, transparent, and citizen-focused services while managing tight budgets and growing infrastructure challenges.

Transforming Public Safety

Ensuring public safety is a constant challenge with growing urban populations. Managing traffic safety and congestion remains a persistent issue, with governments struggling to monitor, prevent, and respond proactively to incidents, ultimately impacting public trust and well-being.

Infrastructure Management Challenges

Aging infrastructure poses significant hurdles for governments trying to maintain roads, bridges, water systems, and public transit without exceeding tight budgets. Reactive repairs to failing systems are costly and disruptive, while the lack of predictive maintenance tools leads to inefficiencies and unplanned breakdowns.

Smarter Digital Services

Providing equitable access to digital services for underserved communities, creating barriers for citizens who rely on these tools for critical needs. Without robust automation and data analytics, responding to individual citizen needs or efficiently managing demand becomes a significant operational bottleneck.

Smarter State & Local Government Operations with AI

Smarter Safety Solutions

Develop an AI-powered solution to monitor and predict potential public safety incidents such as traffic collisions, natural disasters, or crime patterns. State and local governments can use this system to allocate resources more effectively and ensure citizen safety in high-risk zones.

Proactive Urban Management

Automatically process drone or satellite imagery to identify structural issues in bridges, roads, and utility infrastructure, detecting early signs of wear and tear to prevent costly repairs and enhance urban management.

Streamline Communication for All Residents

Create a multilingual, AI-driven chatbot to assist citizens with routine inquiries, such as tax filing, permit applications, or scheduling public services. The chatbot can streamline communication, ensuring accessibility for all residents.

AI PCs for State & Local Government

AI PC for Inferencing

[Dell Pro 13/14 Premium](#)

AI PC for Training

[Dell Pro Max with Blackwell GPUs](#)

Buy AI Solutions:

Copilot + PC (Live Caption Translations), Tableau, ArcGIS Analytics, Salesforce Einstein

Build AI Solutions:

Dell Pro AI Studio
Dell Professional Services for AI
Dell Accelerator Services for RAG on
Dell Pro Max AI PCs



Reshaping the Financial Landscape

AI is reshaping the financial services industry (FSI), unlocking unprecedented opportunities for innovation and growth. AI-powered technology is laying the foundation for a smarter financial future.

By enhancing operational efficiency, delivering highly personalized customer experiences and strengthening risk management strategies, AI enables financial institutions to meet evolving demands with confidence.

BY THE NUMBERS

70%

70% of financial service professionals said that AI increased revenue by 5% or more¹

60%

60% of executive leadership in the financial service industry acknowledge the value of AI in driving business¹

Based on NVIDIA's [State of AI in Financial Services: 2025 Trends Survey](#)

Key Challenges Facing Financial Services Today

The financial service industry sits at the intersection of opportunity and risk. Fraud, poor customer service, security threats, and inefficient processes can be overcome with today's AI tools.

Data Overload

The massive growth of financial data, fueled by digital transactions, global markets, and emerging technologies, presents challenging complexities. The rapidly evolving landscape of financial data makes traditional tools insufficient for timely, accurate analysis.

Growing Threat of Fraud

The financial industry is a prime target for cyberattacks, with increasingly sophisticated threats jeopardizing customer trust and stability. Traditional detection methods struggle to keep up, pushing the need for advanced, proactive solutions more critical than ever.

Inefficient Customer Services

Financial customers expect efficient, personalized, and consistent service. Delayed responses, generic advice, and inconsistent delivery erode trust and drive churn. The challenge for institutions is balancing high interaction volumes with exceptional service, especially during market peaks or fluctuations.

AI-Driven Solutions for Today's Financial Institutions

Optimized Algorithmic Trading

AI allows financial technology companies to develop more sophisticated trading systems with existing machine learning algorithms to be optimized for better results, identifying trends such as economic indicators, customer sentiment and current events and adapting trading strategies in real time.

Understanding Customer Behavior

Extract key customer insights by refining data from financial documents. Real-time, accurate information supports faster credit decisions, loan approvals, and fraud prevention. AI can analyze historical data strengths strategic processes, enabling rigorous back testing to optimize models, refine risk management frameworks, and enhance overall operational efficiency.

Improve Risk Profiling

AI-powered solutions streamline the extraction of critical data from financial documents, such as credit reports and transaction records. By leveraging advanced analytics, these tools uncover key trends, risk indicators, and behavioral patterns, enhancing the precision and depth of risk assessments. Automated, consistent data processing reduces human errors and ensures reliable profiling to manage time-sensitive, high-stakes transactions.

AI PCs for Financial Services

[Dell Pro 13/14 Premium](#)

[Dell Pro Max 16/18 Premium & Plus](#)

[Dell Pro Max Desktops](#)

Buy AI Solutions:

CrowdStrike, MATLAB, Anaconda (with PyTorch), Power BI, H2O.ai, Tableau

Build AI Solutions:

Dell Pro AI Studio
Dell Professional Services for AI
Dell Accelerator Services for RAG on
Dell Pro Max AI PCs

Revolutionizing Storytelling with AI

AI is revolutionizing the Media & Entertainment industry by bringing smarter, faster and more adaptive solutions to every stage of content creation and distribution.

Today, AI-powered tools streamline workflows, enhance storytelling and deliver personalized experiences, making once-complex tasks faster and more intuitive. Its continued evolution holds even greater promise, enabling deeper insights and endless creative possibilities.

BY THE NUMBERS

52%

52% of creators state that using AI helped them to be more creative while also saving them time¹

90%

90% of media and entertainment companies plan increased AI investments over the next 24 months²

¹ Based on World Economic Forum and Accenture, [Artificial Intelligent in Media, Entertainment, and Sport](#)

² Based on Salesforce [Media & Entertainment Industry Data and AI Trends Report](#)

Key Challenges Facing Media & Entertainment Today

Media and entertainment professionals operate in a fast-moving industry where audience expectations evolve at lightning speed, demanding adaptability, creativity and technical precision.

Demand for High-Quality, Fast Content Creation

Audiences expect exceptional, high-quality content delivered faster than ever, leaving no room for delays. Media editors face immense pressure to meet these expectations, working under tight production schedules that require rapid turnarounds.

Scaling Up Production Power

Modern creative projects involve intricate visual effects, ultra-high-definition content and large-scale productions, all of which generate massive amounts of data. Handling these heavy workloads requires robust processing power to manage and render enormous file sizes smoothly.

Personalized Audience Engagement at Scale

Audiences are consuming content across more platforms than ever, expecting tailored, high-quality content at their fingertips. Keeping up with the rapid pace of original, engaging, relevant content distribution requires balancing creativity with the tools to deliver seamlessly.

Creative AI Workflows for Seamless Media Production

Optimization for Sophisticated Editing

AI PCs transform content creation by automating tasks like video editing, sound enhancements, and transcoding. They speed up rendering processes, delivering high-quality visuals faster by combining the power of graphics and AI processing. With features like instant scene identification and real-time 3D previews, AI PCs simplify workflows and bring ideas to life with efficiency.

Personalized Engagement for Viewers

AI PCs process vast datasets efficiently, analyzing viewer behaviors, preferences, and trends in real-time. Media companies can create hyper-personalized content recommendations, curate targeted ads, and enhance user experiences. They also enable predictive analytics, helping companies anticipate audience needs and stay ahead of trends.

Managing Large Scale Assets

AI PCs optimize workflows by managing large-scale assets and enabling real-time team collaboration. They support cost-effective solutions like virtual sets and AI-driven visual effects, cutting physical resource costs. By streamlining operations, they reduce expenses and boost profitability.

AI PCs for Media & Entertainment

AI PC for Inferencing

[Dell Pro Max with Blackwell GPUs](#)

AI PC for Training/Model Prototyping

[Dell Pro Max with Blackwell GPUs](#)

Buy AI Solutions:

Invoke, Orbital Studios, Evercoast, NVIDIA Omniverse, Stable Diffusion, Adobe Premiere Pro, DaVinci Resolve

Build AI Solutions:

Dell Pro AI Studio
Dell Professional Services for AI
Dell Accelerator Services for RAG on
Dell Pro Max AI PCs

Manufacturing & Engineering

Harness AI to Boost Production Power

Manufacturing and engineering professionals design and build the products, structures and environments that drive society forward.

From predictive maintenance and quality assurance to supply chain optimization and design automation, AI is unlocking new levels of efficiency, precision and innovation. By leveraging AI, manufacturers and engineers can make smarter, faster decisions that drive operational excellence.

BY THE NUMBERS

50%

Manufacturers have reported 50% reduction in product time through the implementation of AI¹

66%

66% of manufacturers use AI in daily operations report a high dependency on transformative technologies¹

¹ Based on AllAboutAI [AI Statistics in Manufacturing 2025: Key Trends and Insights](#)

Key Challenges Facing Manufacturing & Engineering Today

Manufacturers and engineers grapple with complex challenges that call for innovative solutions to drive productivity, protect critical assets and ensure compliance.

Overwhelming Data Complexity

Modern manufacturing and engineering industries generate a massive amount of data from various sources like IoT devices, machinery sensors, supply chains, and more that traditional systems cannot process effectively, allowing room for missed insights

Slow and Inefficient Product Design Cycles

Creating and refining product designs requires a careful balance of creativity, precision, and iteration. Traditional engineering workflows depend heavily on physical prototypes and manual testing, which leads to longer design cycles. Any errors discovered late in the process translate into costly delays or rework

Unplanned Equipment & Maintenance Downtime

Unanticipated equipment failures can disrupt manufacturing operations, reduce output, and inflate repair costs. Traditional maintenance models often rely on either scheduled maintenance, which may not address unexpected failures, or reactive maintenance, which occurs post-failure.

Efficient Manufacturing and Engineering for Accuracy at Scale

AI-Powered Actionable Decisions

AI PCs excel in processing and analyzing large datasets at high speeds. They utilize machine learning algorithms and intelligent analytics extract actionable insights from raw data, often leveraging real-time dashboards. Manufacture can use data to identify anomalies in sensor data or production trends to prevent losses and improve the decision-making processing

Refining Product Designs with AI

Manufacturers can run multiple simulations simultaneously predicting how design changes will impact performance and reliability. Engineers can test designs virtually using digital twins, cutting down the need for physical prototypes and analyze structure models that shorten product development timelines and reduce costs.

Predictive Maintenance for Seamless Operations

Leveraging AI PCs enables predictive maintenance that continuously monitoring equipment health through real-time data collection and analysis. AI technology can identify irregular patterns that indicate potential failure. AI models then predict when maintenance is needed, allowing teams to address problems before breakdowns occur.

AI PCs for Manufacturing & Engineering

AI PC for Inferencing

[Dell Pro Max with Blackwell GPUs](#)

AI PC for Training/Model Prototyping

[Dell Pro Max with Blackwell GPUs](#)

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Build AI Solutions:

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Dell Professional Services for AI
Dell Accelerator Services for RAG on Dell Pro Max AI PCs