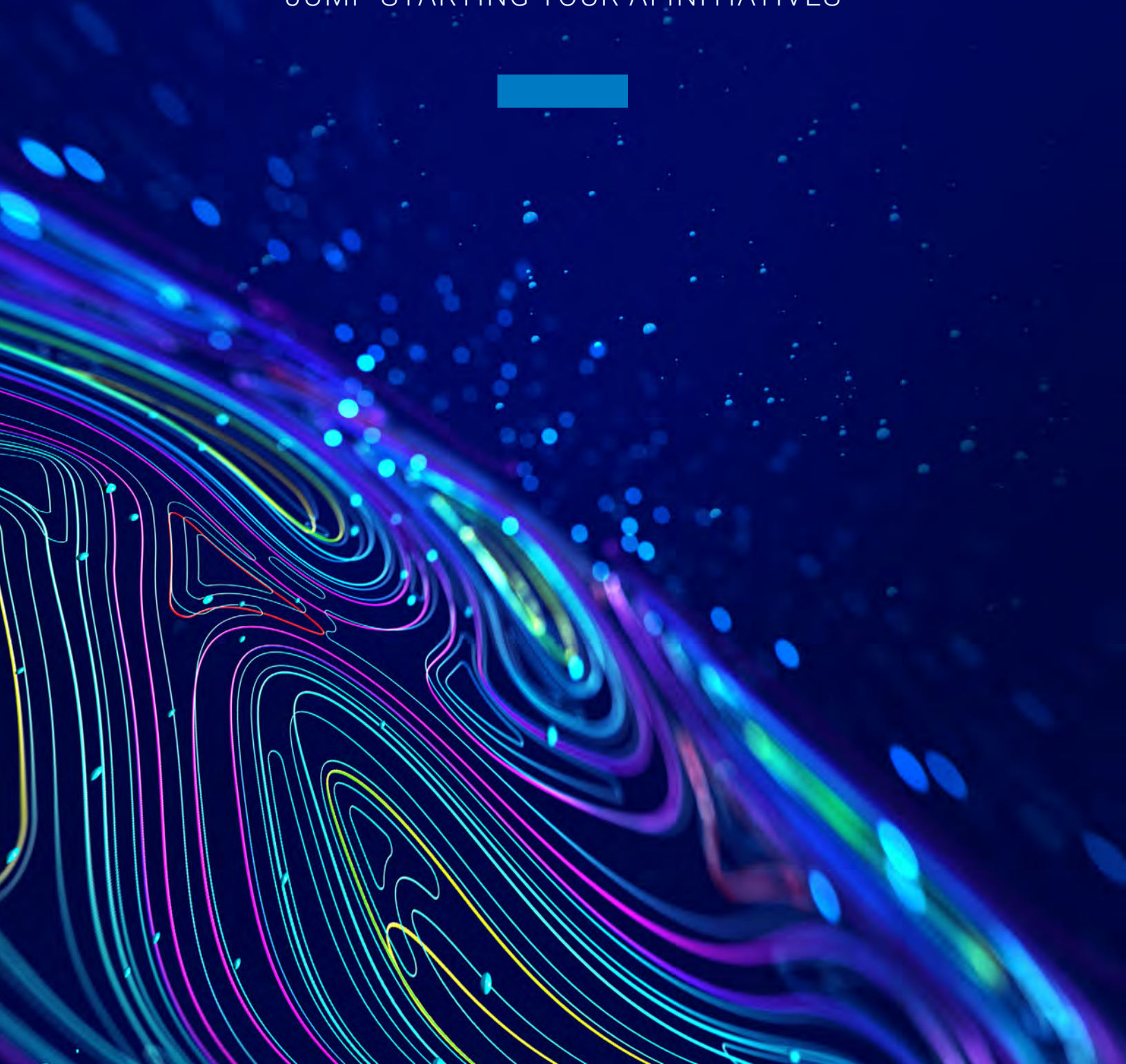# Precision AI-ready Workstations

JUMP-STARTING YOUR AI INITIATIVES

ARTIFICIAL INTELLIGENCE WORKSTATION PERSONAS

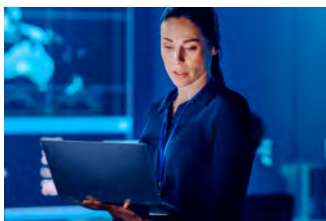Dell helps remove barriers and enables customers to adopt an enterprise-wide AI strategy through an end-to-end holistic approach.

DATA SCIENTIST

From initial planning and data wrangling to prototyping and production — enjoy balanced performance to support your AI initiatives.

AI DEVELOPER

Develop more intelligent services by incorporating Machine Learning algorithms into your applications.

MOBILE DATA SCIENTIST

Take workstation performance with you to support your AI initiatives however and wherever they evolve.

AI OPERATIONS

Beyond development and training, inference is where AI goes to work. Deploy your trained models with confidence, knowing that your workstation can inference in parallel, while running alongside your most demanding applications.

DATA AND AI TEAMS

Equip your teams with the required horsepower to train massive data sets, regardless of the systems they're equipped with.

Data Scientist

EQUIP YOURSELF TO SOLVE THE MOST COMPLEX DATA SCIENCE INITIATIVES
AND DEMANDING SCHEDULES.

Massive data and AI power

A Dell Precision tower workstation will provide ultimate scalability and performance for your analytics and AI initiatives. Dell delivers data scientists comprehensive hardware solutions that are optimized to run the industry's latest AI software, including Data Science software suites validated on Dell Precision Data Science Workstations (DSWs) that can be downloaded and installed with ease.

Iterate and experiment freely to master artificial intelligence and data science initiatives.

Solution recommendations for Data Scientists

A. Dell Precision 7960 Tower workstation with up to (4) NVIDIA RTX™ 6000 Ada Generation GPUs and Intel Xeon® processors
B. Dell Precision 5860 Tower workstation with up to (2) NVIDIA RTX™ 6000 Ada Generation GPUs and Intel Xeon® processors
C. Dell UltraSharp 40" Curved USB-C Monitor – U4021QW
D. Dell UltraSharp 32" HDR PremierColor Monitor – UP3221Q
E. Dell Premier Multi-Device Wireless Keyboard and Mouse – KM7321W
F. **Support for NVIDIA AI Enterprise***

*Not pictured

Mobile Data Scientist

FREEING YOU TO SOLVE THE MOST COMPLEX DATA AND ARTIFICIAL INTELLIGENCE INITIATIVES — ON THE ROAD OR AT HOME.

Meet data science project deadlines, from anywhere, and on your terms

Whether you're still grappling with your data pipeline, bogged down training large data sets, or already prepared to inference against trained models — Dell Precision 7000 Series mobile workstations have the computational and data horsepower to allow you to experiment and innovate rapidly, with the flexibility to do so almost anywhere.

Obtain maximum performance and portable flexibility for demanding data science and Artificial Intelligence workflows.

Solution recommendations†

A. Dell Precision 7680 mobile workstation with up to 16GB NVIDIA RTX™ 5000 Ada Generation GPU

B. Dell Precision 7780 mobile workstation with powerful GPU compute with NVIDIA RTX™ 5000 Ada Generation

C. 14" Portable Monitor — C1422H

D. Dell Premier Collaboration Keyboard — KB900

D. Dell Premier Rechargeable Mouse — MS900

E. Dell Performance Dock — WD19DCS

F. Data Science Software from NVIDIA or Intel*

*Not pictured

AI Developer

DEVELOP MORE INTELLIGENT SYSTEMS WITH WORKSTATIONS
POWERING YOUR MOST AMBITIOUS AI INITIATIVES.

Develop with Intelligence

Whether you're building new services from the ground up, or responsible for breathing new life into a decades-old application, You'll probably have to incorporate some form of Artificial Intelligence into your next release. Dell Precision workstations can provide you with the power you need to accelerate these new development challenges, whether wrangling massive amounts of unstructured data or training complex algorithms against it — helping you compile your finished jobs with agility and ahead of schedule.

Develop new AI initiatives with agility and ahead of schedule.

A

B

C

D

E

Solution recommendations[†]

A. Dell Precision 5860 Tower workstation with NVIDIA RTX™ 6000 Ada Generation GPU
B. Dell Precision 7000 Series mobile workstations with NVIDIA RTX™ 5000 Ada Generation GPU
C. Dell UltraSharp 40 Curved Monitor – U4021QW
D. Dell Performance Dock – WD19DCS
E. Dell Premier Collaboration Keyboard – KB900
E. Dell Premier Rechargeable Mouse – MS900
F. Data Science Software from NVIDIA or Intel*

*Not pictured

AI Operations

PUT AI TO WORK BY ADDING AI CAPABILITIES INTO YOUR ALREADY DEMANDING WORKFLOWS WITH A PRECISION WORKSTATION.

Unleash your full potential with AI

As AI is increasingly incorporated into our lives, many professionals already performing jobs that are demanding enough to require workstations will find those systems now integrate AI algorithms. While these models are typically deployed pre-trained (inference), they'll require additional computational power, often demanding new types of resources such as GPU accelerators or Intel processors with DLBoost capabilities.

Dell Precision workstations provide the agility needed to tackle these demanding split workloads, unleashing new possibilities offered by AI, while continuing to provide dependable performance for professional applications.

Incorporate the power of Artificial Intelligence in your already demanding workstation operations.

Solution recommendations[†]

A. Dell Precision 3660 Tower workstation with NVIDIA RTX™ 2000 Ada GPUs (mobile) and RTX™ A6000 GPUs (desktop)

B. Dell UltraSharp 34 Curved USB-C Hub Monitor — U3421WE

C. Dell Premier Multi-Device Wireless Keyboard and Mouse — KM7321W

D. Dell Pro Wireless Headset — Daybreak — WL5022

Data and AI Teams

EMPOWER YOUR TEAM TO DELIVER DATA SCIENCE AND AI INITIATIVES FLEXIBLY AND WITH MINIMAL DISRUPTION.

Develop remotely without worry

A shared workstation makes sense for a number of reasons: some staff prefer to carry systems too thin and light for Data Science jobs, others are unfamiliar with operating systems data science typically runs on, some won't want their systems tied up for hours or days training models — the Precision 7960 Rack addresses all of these scenarios.

The Precision 7960 Rack workstation delivers the highest level of secure remote access, unleashing ultimate AI and Data Science performance that can be shared easily and efficiently by your team.

Equip your teams with the most powerful AI workstations, without changing the systems they already use and love.

Solution recommendations[†]

A. Dell Precision 7960 Rack workstation and a mobile workstation for a remote solution and connection to the rack with dual NVIDIA RTX™ 6000 Ada GPUs
B. Dell Precision 3581 mobile workstation
C. Dell UltraSharp 32 HDR PremierColor Monitor — UP3221Q
D. Data Science Software from NVIDIA or Intel*

*Not pictured

NVIDIA Powered Dell Precision AI-Ready Workstations

Combining the world's #1 workstation brand with the capabilities of NVIDIA RTX professional GPUs and NVIDIA AI Enterprise software results in a powerful and comprehensive AI platform at the desk side.
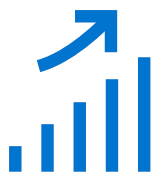
NVIDIA. RTX

Start AI Quickly. Run AI Faster.

Eliminate the hassles, testing, headaches and guessing that's typically associated with deploying AI software by choosing an AI-Ready Precision configuration. These systems have been validated and optimized in a collaborative effort between NVIDIA corporation, Canonical Ltd and Dell Technologies — to ensure that your AI hardware and software stack will run fast and without headaches.

Dell Precision Data Science Workstations come from the factory with Microsoft Windows or Ubuntu Linux preinstalled and validated to run the latest data science software from NVIDIA. Plus Dell provides documentation, best practices, and links to the latest NVIDIA software stack, making it easy to get up and running — especially for users unfamiliar with compute and data-intensive data science workflows or Linux.

Features and Benefits

Maximize Productivity

Take advantage of NVIDIA's software stack that instantly amplifies productivity gains.

Faster Model Development and Training

Accelerate development cycles and expedite deployment with high performance NVIDIA RTX GPUs.
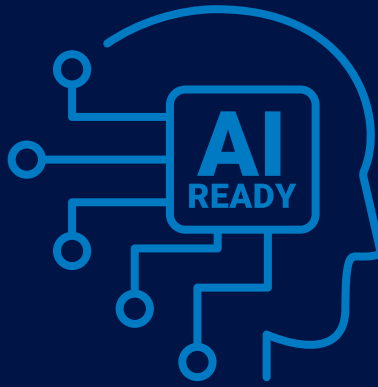
Reliability and Support

Minimize system downtime and ensure mission-critical projects stay on track with support services.

Secure smarter, faster experiences with Dell professional grade tools

Learn more about Dell's AI-ready workstation solutions at **dell.com/PrecisionAI**

AI READY