



NVIDIA Quadro® FX 2500M

Unprecedented levels of application performance to accelerate the most complex workflows and shorten design cycles

- Hardware and software acceleration of graphics features enables higher levels of productivity and handle more complex problems
- Parallel vertex and pixel engines for blazing geometry performance, lightening-fast line performance, and massive fill rates
- Fully programmable pixel pipelines empowers new classes of professional applications for more complex shaders
- Unprecedented graphics performance with up to 181 million triangles/sec and 10.8 billion texels/sec.

Visualization of the most extensive datasets combined with the highest image quality

- Delivers highest throughput for interactive visualization of large models
- Full 128-bit floating point pipeline with 12-bit subpixel precision delivers ultra-realistic images
- Supports up to 512MB local frame buffer for larger datasets to be stored and processed in the graphic systems to visualize and interact with more complex models
- Highest levels of rotated grid full-scene antialiasing (RG FSAA) increases color accuracy and visual quality for edges and lines, reducing “jaggies” while maintaining performance
- Unified memory architecture allows for superior memory management, which efficiently allocates and shares memory resources between concurrent graphics windows and applications, without adverse impact on performance

Stable, compatible, and optimized for all professional applications

- Extensive product development and qualification ensures reliable system performance
- Certification with industry-leading computer-aided design (CAD), Digital Content Creation (DCC), and visualization applications
- System runs in mixed environments within diverse IT deployments to provide easy manageability
- Built for Microsoft® Windows Vista™ - the next generation Microsoft operating system to enables a premium Vista user experience with a dedicated rendering and compositing GPU

Unmatched performance scalability using adaptive power management tools for extended battery life

- NVIDIA® PowerMizer™ technology enables the most efficient power consumption to deliver longer battery life
 - Lowers power consumption by scaling the PCI Express® bandwidth to match the requirements of applications that do not require the full x16 lanes
- Advanced power management tools allow users to adjust power consumption to the application requirements
- Power-on-demand allows the graphics subsystem to consumer less power when it's not needed (i.e. during system idle), and still deliver higher high performance when the system demands it (i.e. when running extensive applications)
- Industry's latest semiconductor technology enhances performance while running at lower voltage than previous generations