

NVIDIA Quadro Professional Solutions



QUADRO
LINECARD

| | | Model | Display | | | | Performance | | | Image Quality | Features | | | Options | | | | | |
|-----------------|-------------------------|---------------------------------------|-----------------|--------------|----------------------|---------------------|--------------------|---|-------------------|------------------|---|----------------|----------------|------------|--------------|----------------------|---------------------------|-------------|----------------|
| | | | Dual-Link DVI | Display Port | # of Digital Outputs | # of Analog Outputs | Analog and Digital | Maximum Display Resolution Digital @ 60Hz | Memory Size Total | Memory Bandwidth | Relative Performance Score ⁴ | FSAA (maximum) | OpenGL 2.0/2.1 | DirectX 10 | Shader Model | NVIDIA® SLI™ Support | C Programming Environment | SDI Version | G-Sync Version |
| Quadro Plex | VISUAL COMPUTING SYSTEM | Model 2200 D2 [2 x Quadro FX 5800] | 4 | 1 | 3 | 2 | ✓ | 2560 x 1600 | 8 GB | 102 GBps | 6 | 64x | ✓ | ✓ | 4.0 | ✓ | ✓ | | ✓ |
| | | Model 2100 D4 [2 x Quadro FX 4700 X2] | 8 | | 4 | 4 | ✓ | 2560 x 1600 | 4 GB | 51.2 GBps | 6 | 64x | ✓ | ✓ | 4.0 | ✓ | ✓ | | ✓ |
| | | Model 2100 S4 [4 x Quadro FX 5600] | N/A | | N/A | N/A | | N/A | 6 GB | 76.8 GBps | 6 | 64x | ✓ | ✓ | 4.0 | ✓ | ✓ | N/A | N/A |
| | | Model IV [2 x Quadro FX 5600] | 4 | | 2 | 2 | ✓ | 2560 x 1600 | 3 GB | 76.8 GBps | 6 | 64x | ✓ | ✓ | 4.0 | ✓ | ✓ | | ✓ |
| Quadro FX | ULTRA-HIGH END | Quadro FX 5600 | 2 | | 2 | 2 | ✓ | 2560 x 1600 | 1.5 GB | 76.8 GBps | 58.81 | 32x | ✓ | ✓ | 4.0 | ✓ | ✓ | ✓ | ✓ |
| | | Quadro FX 4700 X2 [2 GPUs] | 4 | | 4 | 4 | ✓ | 2560 x 1600 | 2 GB | 51.2 GBps | N/A | 64x | ✓ | ✓ | 4.0 | ✓ | ✓ | | ✓ |
| | | Quadro FX 4600 | 2 | | 2 | 2 | ✓ | 2560 x 1600 | 768 MB | 67.2 GBps | 53.88 | 32x | ✓ | ✓ | 4.0 | ✓ | ✓ | ✓ | ✓ |
| | HIGH-END | Quadro FX 3700 | 2 | | 2 | 2 | ✓ | 2560 x 1600 | 512 MB | 51.2 GBps | 54.72 | 32x | ✓ | ✓ | 4.0 | ✓ | ✓ | | |
| | MID-RANGE | Quadro FX 1700 | 2 | | 2 | 2 | ✓ | 2560 x 1600 | 512 MB | 12.8 GBps | 42.40 | 32x | ✓ | ✓ | 4.0 | | ✓ | | |
| | ENTRY-LEVEL | Quadro FX 570 | 2 | | 2 | 2 | ✓ | 2560 x 1600 | 256 MB | 12.8 GBps | 33.59 | 16x | ✓ | ✓ | 4.0 | | ✓ | | |
| | | Quadro FX 370 | 1 | | 2 | 2 | ✓ | 2560 x 1600 | 256 MB | 6.4 GBps | 25.62 | 16x | ✓ | ✓ | 4.0 | | ✓ | | |
| | MOBILE | Quadro FX 3700M | 5 | | 2 | 2 | ✓ | 5 | 1 GB | 51.2 GBps | 5 | 32x | ✓ | ✓ | 4.0 | | ✓ | | |
| | | Quadro FX 3600M | 5 | | 2 | 2 | ✓ | 5 | 512 MB | 51.2 GBps | 5 | 32x | ✓ | ✓ | 4.0 | | ✓ | | |
| | | Quadro FX 2700M | 5 | | 2 | 2 | ✓ | 5 | 512 MB | 51.2 GBps | 5 | 32x | ✓ | ✓ | 4.0 | | ✓ | | |
| | | Quadro FX 1700M | 5 | | 2 | 2 | ✓ | 5 | 512 MB | 25.6 GBps | 5 | 16x | ✓ | ✓ | 4.0 | | ✓ | | |
| | | Quadro FX 1600M | 5 | | 2 | 2 | ✓ | 5 | 512 MB | 25.6 GBps | 5 | 16x | ✓ | ✓ | 4.0 | | ✓ | | |
| | | Quadro FX 770M | 5 | | 2 | 2 | ✓ | 5 | 512 MB | 25.6 GBps | 5 | 16x | ✓ | ✓ | 4.0 | | ✓ | | |
| | | Quadro FX 570M | 5 | | 2 | 2 | ✓ | 5 | 256 MB | 22.4 GBps | 5 | 16x | ✓ | ✓ | 4.0 | | ✓ | | |
| Quadro FX 370M | | 5 | | 2 | 2 | ✓ | 5 | 256 MB | 9.6 GBps | 5 | 8x | ✓ | ✓ | 4.0 | | ✓ | | | |
| Quadro FX 360M | | | | 2 | 2 | ✓ | 5 | 256 MB | 9.6 GBps | 5 | 8x | ✓ | ✓ | 4.0 | | ✓ | | | |
| Quadro NVS | QUAD DISPLAY | Quadro NVS 440 x16 or x1 | | | 4 | 4 | ✓ | 1920 x 1200 | 256 MB | 8 GBps | | | ✓ | ✓ | 3.0 | | | | |
| | DUAL DISPLAY | Quadro NVS 290 x16 or x1 | | | 2 | 2 | ✓ | 1920 x 1200 | 256 MB | 6.4 GBps | | | ✓ | ✓ | 4.0 | | | | |
| | | Quadro NVS 285 x16 or x1 | | | 2 | 2 | ✓ | 1920 x 1200 | 128 MB | 4.8 GBps | | | ✓ | ✓ | 3.0 | | | | |
| | | Quadro NVS 280 PCI | | | 2 | 2 | ✓ | 1600 x 1200 | 64 MB | 3.2 GBps | | | ✓ | ✓ | 2.0 | | | | |
| | | MOBILE | Quadro NVS 320M | 1 | | 2 | 2 | ✓ | 1600 x 1200 | 512 MB | 22.4 GBps | 5 | 16x | ✓ | ✓ | 4.0 | | | |
| | Quadro NVS 140M | 1 | | 2 | 2 | ✓ | 1600 x 1200 | 256 MB | 9.6 GBps | 5 | 8x | ✓ | ✓ | 4.0 | | | | | |
| | Quadro NVS 135M | 1 | | 2 | 2 | ✓ | 1600 x 1200 | 256 MB | 9.6 GBps | 5 | 8x | ✓ | ✓ | 4.0 | | | | | |
| Quadro NVS 130M | 1 | | 2 | 2 | ✓ | 1600 x 1200 | 256 MB | 9.6 GBps | 5 | 8x | ✓ | ✓ | 4.0 | | | | | | |

1. Available only on Quadro FX 5600, FX 4700 X2, FX 4600, FX 3700, FX 1700, FX 570, FX 370, FX 3700M, FX 3600M, FX 2700M, FX 1700M, 1600M, 770M, 570M, 370M, 360M, NVS 290, Quadro Plex Model IV, S4, D2, and D4.
 2. Stand alone option card available for Quadro FX 5600, 4600, 4700 X2 graphics boards only.
 3. Maximum Display Resolutions: Analog VGA- 2048 x 1536 @ 60Hz.
 4. Relative performance score represents the geometric mean of the viewperf viewsets and is intended to provide a relative performance difference. Application scaling may vary. SPECviewperf® 10 for more information visit www.spec.org.
 5. Mobile Workstation performance and display support will vary by OEM; please see www.spec.org or OEM specifications for details.
 6. Quadro Plex VCS and Quadro FX 4700 X2 application performance not represented in VP10 benchmark. Display support will vary by application.

INDUSTRY SOLUTIONS

A Quantum Leap in Visual Computing

The NVIDIA Quadro Plex visual computing system (VCS) is designed to interface with industry-standard workstations and servers to deliver advanced visual computing scalability and remote graphics serving for the most demanding professional applications.

Integrated Graphics-to-Video Solution

The NVIDIA Quadro SDI solutions² deliver uncompressed 8-, 10-, or 12¹-bit SDI enabling a direct connection to broadcast monitors, switchers, tape decks, or SDI projectors to fully integrated graphics-to-video out.

Revolutionizing Advanced Visualization

The NVIDIA Quadro G-Sync² delivers frame and genlock functionality to unprecedented levels of industrial realism, visualization, and collaborative capabilities.

Which NVIDIA GPU solution is best for my environment?



High Performance Computing (HPC) Applications



Consumer/Entertainment Applications

PROFESSIONAL APPLICATIONS & SOLUTIONS

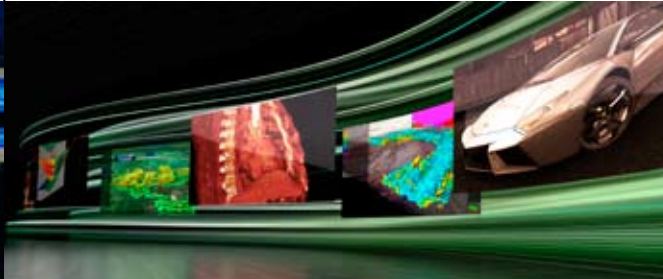
PROFESSIONAL BUSINESS APPLICATIONS
Display and Analytics

QUADRO NVS
The Standard for Business Graphics.



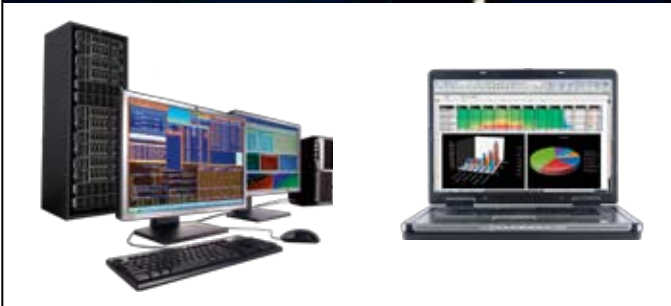
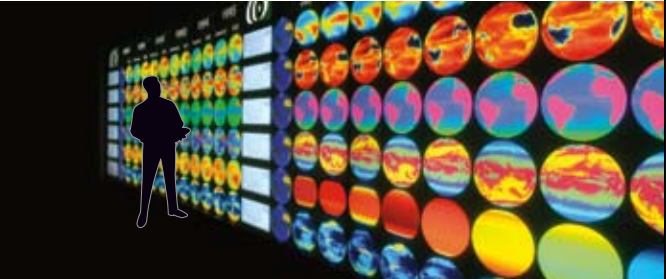
PROFESSIONAL 3D APPLICATIONS
Design, Creation, Visualization

QUADRO FX
The Definition of Performance. The Standard for Quality.



PROFESSIONAL INDUSTRY SOLUTIONS
HD, Broadcast, Large Scale Visualization

QUADRO PLEX, SDI & G-SYNC
Architected for Industry Specific Solutions.



For more information on NVIDIA and NVIDIA Quadro products, visit www.nvidia.com/quadro

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