| GRAPHICS FEATURES | Entry | Mid-Range | | | | High End | | | | Ultra-High End | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Quadro FX 380M | Quadro FX 880M | Quadro 1000M (New!) | Quadro FX 1800M | Quadro 2000M (New!) | Quadro FX 2800M | Quadro 3000M (New!) | Quadro FX 3800M | Quadro 4000M (New!) | NVIDIA Quadro 5000M | Quadro 5010M (New!) |
| Intel® Core™ vPro™ Processor Family | 1st Generation (Calpella) | 1st Generation (Calpella) | 2nd Generation (Huron River) | 1st Generation (Calpella) | 2nd Generation (Huron River) | 1st Generation (Calpella) | 2nd Generation (Huron River) | 1st Generation (Calpella) | 2nd Generation (Huron River) | 1st Generation (Calpella) | 2nd Generation (Huron River) |
| Platform Form Factor | 14.1" | 15.6" | 15.6" | 15.6" | 15.6" | 17" | 17.3" | 17" | 17.3" | 17" | 17.3" |
| NVIDIA® CUDA™ Cores | 16 | 48 | 96 | 72 | 192 | 96 | 240 | 128 | 336 | 320 | 384 |
| Memory Size | 512MB | 1GB | 2GB | 1GB | 2GB | 1GB | 2GB | 1GB | 2GB | 2GB | 4GB |
| Memory Type | DDR3 | DDR3 | DDR3 | DDR3/GDDR5 | DDR3 | GDDR3 | GDDR5 | GDDR3 | GDDR5 | GDDR5 | GDDR5 |
| Memory Interface | 64-bit | 128-bit | 128-bit | 128-bit | 128-bit | 256-bit | 256-bit | 256-bit | 256-bit | 256-bit | 256-bit |
| Memory Bandwidth | 12.8GB/sec. | 25.6GB/sec. | 28.8GB/sec. | 25.6GB/sec. | 28.8GB/sec. | 64GB/sec. | 80.0GB/sec. | 64GB/sec. | 80.0GB/sec. | 76.8GB/sec. | 83.2GB/sec. |
| Max Power Consumption, TGP (Graphics Sub-System) | 25W | 35W | 45W | 45W | 55W | 75W | 75W | 100W | 100W | 100W | 100W |
| OpenGL | 3.3 | 3.3 | 4.1 | 3.3 | 4.1 | 3.3 | 4.1 | 3.3 | 4.1 | 4.1 | 4.1 |
| Shader Model | 4.0 | 4.0 | 5.0 | 4.0 | 5.0 | 4.0 | 5.0 | 4.0 | 5.0 | 5.0 | 5.0 |
| DirectX | 10.1 | 10.1 | 11 | 10.1 | 11 | 10 | 11 | 10 | 11 | 11 | 11 |
| PCI-E Generation | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| ECC (Error Correcting Code) | No | No | No | No | No | No | No | No | No | Yes | Yes |
| Fast Double Precision | No | No | No | No | No | No | No | No | No | Yes | Yes |
| NVIDIA® Optimus™ | N/A | N/A | Yes | N/A | Yes | N/A | Yes | N/A | Yes | N/A | Yes |
| NVIDIA® PowerMizer® Power Management | 9.0 | 9.0 | N/A | 9.0 | N/A | 9.0 | N/A | 9.0 | N/A | 9.0 | N/A |

Mobile Workstation performance and display support will vary by OEM; please see www.spec.org for details.

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