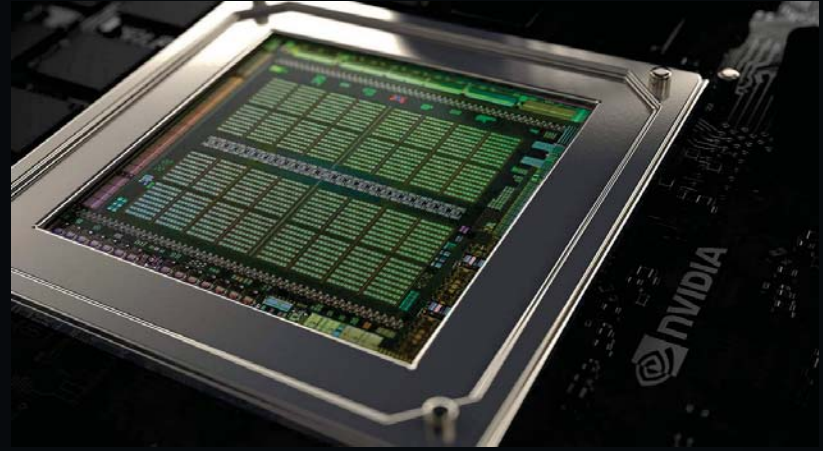
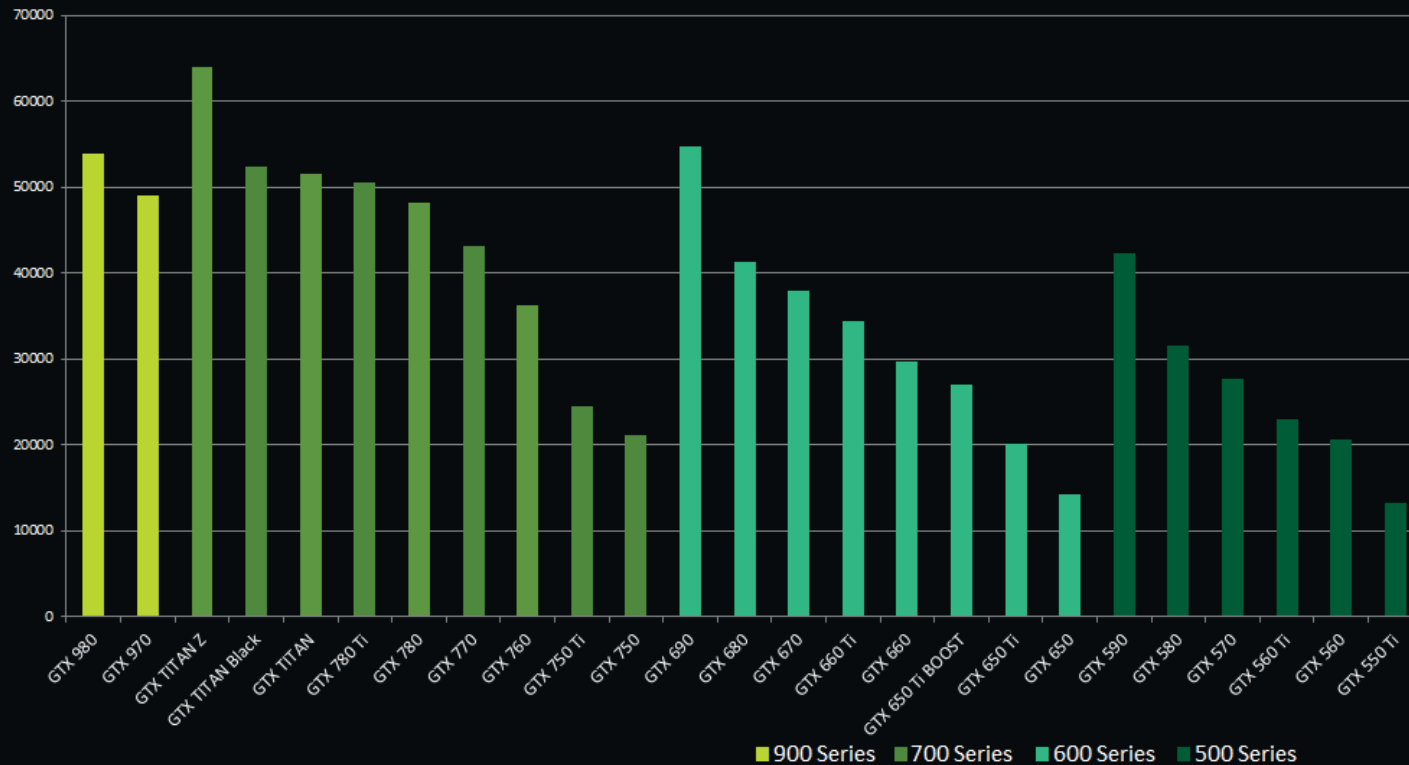


NVIDIA launches Maxwell GPU

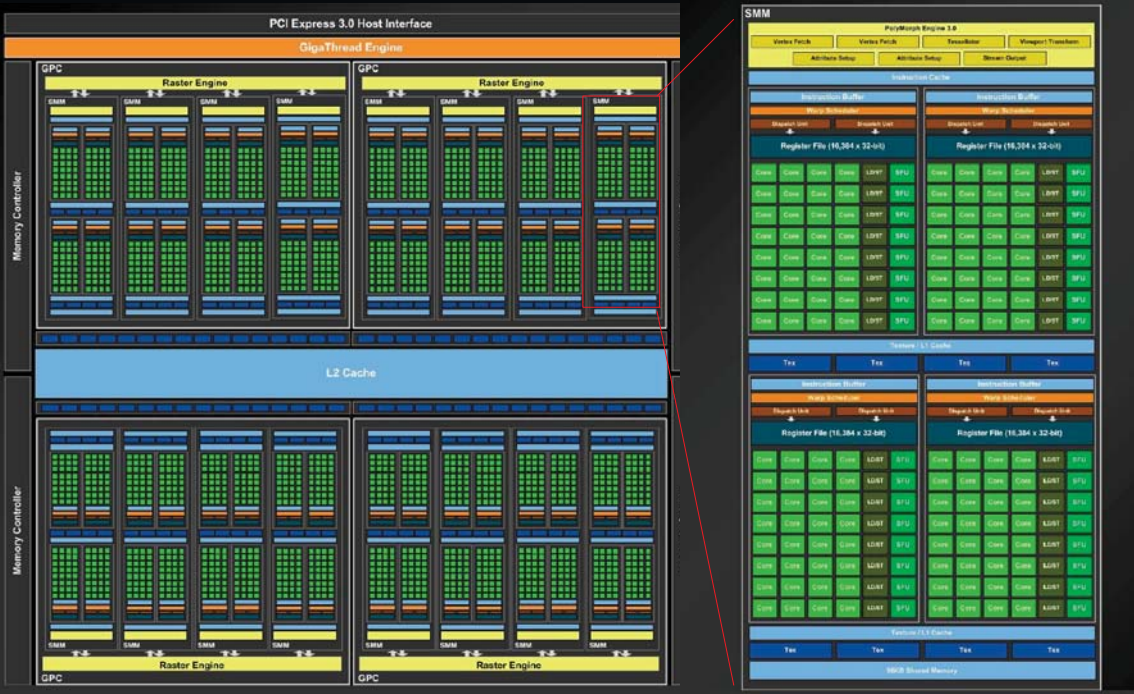


Relative GPU Performance

Using 3DMark Vantage (Performance Preset)



Intel Core i7 3.3 GHz CPU, 8 GB Memory, X79 motherboard. GPU PhysX enabled.



Transistor count:

GTX 980: 5.20 Billion

GTX 780: 7.08 Billion

GTX 680: 3.54 Billion

Die size (all 28 nm node):

GTX 980: 398 mm²

GTX 780: 561 mm²

GTX 680: 294 mm²

GTX 980 Engine Specs:

CUDA Cores	2048
Base Clock (MHz)	1126
Boost Clock (MHz)	1216
Texture Fill Rate (GigaTexels/sec)	144

GTX 980 Memory Specs:

Memory Clock	7.0 Gbps
Standard Memory Config	4 GB
Memory Interface	GDDR5
Memory Interface Width	256-bit
Memory Bandwidth (GB/sec)	224

Thermal and Power Specs:

Maximum GPU Temperature (in C)	98 C
Graphics Card Power (W)	165 W
Minimum System Power Requirement (W)	500 W
Supplementary Power Connectors	2x 6-pins

GTX 780 GPU Engine Specs:

CUDA Cores	2304
Base Clock (MHz)	863
Boost Clock (MHz)	900
Texture Fill Rate (billion/sec)	160.5

GTX 780 Memory Specs:

Memory Speed	6.0 Gbps
Standard Memory Config	3072 MB
Memory Interface	GDDR5
Memory Interface Width	384-bit
Memory Bandwidth (GB/sec)	288.4

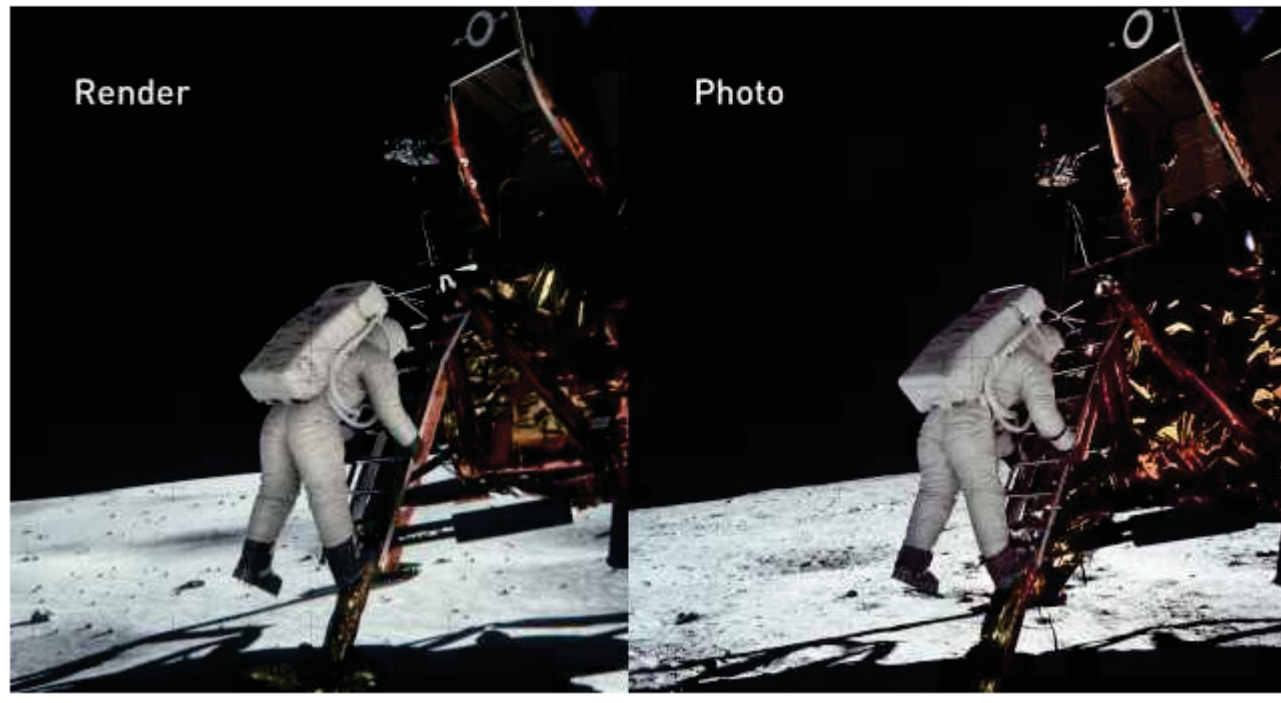
Thermal and Power Specs:

Maximum GPU Temperature (in C)	95 C
Graphics Card Power (W)	250 W
Minimum Recommended System Power (W)	600 W
Supplementary Power Connectors	One 8-pin and one 6-pin

Already being put to use...

Nvidia uses its new Maxwell GPU and global illumination to prove the lunar landings weren't faked

By Sebastian Anthony on September 22, 2014 at 2:24 pm | [26 Comments](#)



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