

GPU element	Feature	Tesla C1060	Tesla M2050
Streaming processors (GPU cores)	Cores per SM	8	32
	Number of SMs	30	14
	Total SPs	240	448
	Clock frequency	1 296 MHz	1 147 MHz
Maximum number of threads	Per multiprocessor	1 024	1 536
	Per block	512	1 024
	Per warp	32	32
SRAM memory available per multiprocessor	32-bit registers	16 K	32 K
	Shared memory	16 KB	16/48 KB
	L1 cache	No	48/16 KB
	(Shared + L1)	16 KB	64 KB
Global (video) memory	Size	4 GB	3 GB
	Speed	2x800 MHz	2x1500 MHz
	Width	512 bits	384 bits
	Bandwidth	102 GB/sc.	144 GB/sc.
	Technology	GDDR3	GDDR5