|  | K80 | M40 | P100 |
|---|---|---|---|
| CUDA capability | 3.5 | 5.2 | 6.0 |
| Global memory (MB) | 11520 | 12288 | 16276 |
| Multiprocessors (MP) | 13 | 24 | 56 |
| CUDA cores per MP | 192 | 128 | 64 |
| CUDA cores | 2496 | 3072 | 3584 |
| GPU clock rate (MHz) | 824 | 1140 | 405 |
| Memory clock rate (MHz) | 2505 | 5000 | 715 |
| L2 cache size (MB) | 1.572 | 3.146 | 4.194 |
| Constant memory (bytes) | 65536 | 65536 | 65536 |
| Shared mem blk (bytes) | 49152 | 49152 | 49152 |
| Registers per block | 65536 | 65536 | 65536 |
| Warp size | 32 | 32 | 32 |
| Max threads per MP | 2048 | 2048 | 2048 |
| Max threads per block | 1024 | 1024 | 1024 |
| CPU (Intel) | Haswell | Ivy Bridge | Haswell |
| Architecture family | Kepler | Maxwell | Pascal |