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## Mobilne karty graficzne - rozpiska osiągow

Lista wszystkich układów graficznych stosowanych obecnie w laptopach, którą można łatwo sortować i zawężać, podając konkretne parametry.

(Producent, Model, Rodzina, Nazwa robocza), Połącz słowa kluczowe z ☒ i ☐ lub ☐ . Zawężenia

Pokaż tylko mobilne GPU

☐ tylko karty profesjonalne (dla inżynierów) ☐ tylko z DirectX 11

karty pojedyncze i podwójne

Które miały premierę co najmniej  miesięcy temu (>0) ☐ pokaż tylko karty z wynikami testów ☐ nadal dostępne (nie archiwalne)

☒ Pokaż słupki wyników ☐ Pokaż pojedyncze wyniki ☐ Show Percent ☐ Pokaż klasy wydajności ☐ Perf. Rating

☒ Pełna nazwa ☐ Nazwa robocza ☒ Architektura ☒ JC pikseli ☒ JC wierzchołków ☒ Zegar rdzenia

☐ Zegar procesora cieniującego ☒ Boost / Turbo ☒ Zegar pamięci ☒ Magistrala ☒ Memory Type ☒ DirectX ☐ OpenGL

☐ Technologia (nm) ☐ Dni temu **all, none**

☐ 3DMark Ice Storm GPU ☐ 3DMark Cloud Gate Standard Score ☐ 3DMark Cloud Gate GPU ☐ 3DMark Fire Strike Score

☐ 3DMark Fire Strike Graphics ☐ 3DMark Time Spy Score ☐ 3DMark Time Spy Graphics ☐ 3DMark11 P ☐ 3DMark11 P GPU ☐

3DMark Vantage P ☐ 3DM Vant. P GPU ☒ 3DMark06 ☐ 3DMark01 ☐ GFXBench ☐ GFXBench 3.0 Manhattan Offscreen OGL

☐ GFXBench 3.1 Manhattan ES 3.1 Offscreen ☐ Basemark X 1.1 Medium Quality ☐ Basemark X 1.1 High Quality

☐ Unigine Heaven 3.0 DX 11, Normal Tessellation, High Shaders ☐ Unigine Valley 1.0 Extreme HD DirectX


























☐ Cinebench R15 OpenGL 64Bit ☐ Cinebench R10 OpenGL (32-bit) ☐ ComputeMark v2.1 Normal, Score

☐ LuxMark v2.0 64Bit Sala GPUs-only **all, none**

Zawęż

Permalink:

Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołk	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
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	6	NVIDIA GeForce GTX 980 SLI (Laptop)	Maxwell	4096	1126	1228	3500	2x 256	GDDR5	12 (FL 12_1)	35639
	50	AMD Radeon R9 M295X	GCN 3	2048		850	5448	256	GDDR5	12 (FL 12_0)	35421
	14	NVIDIA GeForce GTX 980 (Laptop)	Maxwell	2048	1126	1228	3500	256	GDDR5	12 (FL 12_1)	32943 <sup>3</sup>
	35	NVIDIA Quadro M5000M	Maxwell	1536	962	1051	5000	256	GDDR5	12_1	30962 <sup>2</sup>
	57	NVIDIA GeForce GTX 880M	Kepler	1536	954		5000	256	GDDR5	12 (FL 11_0)	29036.5 <sup>2</sup>
	53	AMD FirePro W7170M	GCN 3	2048	723		5000	256	GDDR5	12 (FL 12_0)	28430
	8	NVIDIA GeForce GTX 1070 (Laptop)	Pascal	2048	1443	1645	8000	256	GDDR5	12_1	28372 <sup>2</sup>
	17	NVIDIA GeForce GTX 970M SLI	Maxwell	2560	924	1038	5000	2x 192	GDDR5	12 (FL 12_1)	28182.5 <sup>2</sup>
	26	NVIDIA GeForce GTX 780M SLI	Kepler	3072	823		5000	2x 256	GDDR5	11	27957
	33	AMD Radeon HD 7970M Crossfire	GCN	2560	850		4800	2x 256	GDDR5	11.1	27647 <sup>2</sup>
	52	NVIDIA Quadro M3000M	Maxwell	1024	1050		5000	256	GDDR5	12_1	27320.5 <sup>2</sup>
	32	NVIDIA GeForce GTX 680M SLI	Kepler	2688	720		3600	2x 256	GDDR5	11	26983.5 <sup>2</sup>
	34	NVIDIA GeForce GTX 980M	Maxwell	1536	1038	1127	5000	256	GDDR5	12 (FL 12_1)	26811 <sup>9</sup>
	10	NVIDIA GeForce GTX 980M SLI	Maxwell	3072	1038	1127	5000	2x 256	GDDR5	12 (FL 12_1)	26604
	41	NVIDIA GeForce GTX 970M	Maxwell	1280	924	1038	5000	192	GDDR5	12 (FL 12_1)	26468 <sup>8</sup>
	31	AMD Radeon HD 8970M Crossfire	GCN	2560	850	900	4800	2x 256	GDDR5	11.1	26430 <sup>2</sup>
	82*	AMD Radeon R9 M390	GCN	1024		958	5460	256	GDDR5	12 (FL 11_2)	25800
	76	NVIDIA GeForce GTX 765M SLI	Kepler	1536	850		4000	2x 128	GDDR5	11	25703 <sup>2</sup>
	89	NVIDIA Quadro M2000M	Maxwell	640	1038	1197	5000	128	GDDR5	12 (FL 11_0)	25604 <sup>5</sup>
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
	91	NVIDIA Quadro K4100M	Kepler	1152	706		3200	256	GDDR5	11	25559.5 <sup>2</sup>
	68	NVIDIA GeForce GTX 870M	Kepler	1344	941		5000	192	GDDR5	12 (FL 11_0)	25112
	80	AMD FirePro M6100	GCN	768	1100		6000	128	GDDR5	12 (FL 12_0)	25004
	63	NVIDIA Quadro K5100M	Kepler	1536	771		3600	256	GDDR5	11	24910 <sup>2</sup>
	67	NVIDIA GeForce GTX 965M	Maxwell	1024	924 / 935	950 / 1151	5000	128	GDDR5	12 (FL 12_1)	24774 <sup>3</sup>
	106	NVIDIA Quadro M1000M	Maxwell	512	993	1072	5000	128	GDDR5	12 (FL 11_0)	24483 <sup>2</sup>
		NVIDIA Quadro K5000M	Kepler	1344	706		3000	256	GDDR5	11	































<input type="checkbox"/>	90											24239 <sup>3</sup>
<input type="checkbox"/>	87	NVIDIA GeForce GTX 960M	Maxwell	640	1029	1097	5000	128	GDDR5	12 (FL 11_0)	23733 <sup>11</sup>	
<input type="checkbox"/>	84	NVIDIA GeForce GTX 670MX SLI	Kepler	1920	600		2800	2x 192	GDDR5	11	23606	
<input type="checkbox"/>	97	NVIDIA GeForce GTX 485M SLI	Fermi	768	575		1500	256	GDDR5	11	23415 <sup>2</sup>	
<input type="checkbox"/>	62	NVIDIA GeForce GTX 780M	Kepler	1536	823		5000	256	GDDR5	11	23381.5 <sup>6</sup>	
<input type="checkbox"/>	98	AMD Radeon HD 6970M Crossfire	Terascale 2	1920	680		900	256	GDDR5	11	23318.5 <sup>4</sup>	
<input type="checkbox"/>	95	AMD Radeon HD 6990M Crossfire	Terascale 2	2240	715		900	256	GDDR5	11	23292	
<input type="checkbox"/>	93	NVIDIA GeForce GTX 860M	Maxwell	640	1029		5000	128	GDDR5	12 (FL 11_0)	23220.5 <sup>4</sup>	
<input type="checkbox"/>	99	NVIDIA GeForce GTX 675MX	Kepler	960	600		3600	256	GDDR5	11	23190 <sup>2</sup>	
<input type="checkbox"/>	94	NVIDIA GeForce GTX 580M SLI	Fermi	768	620		1500	256	GDDR5	11	23040.5 <sup>4</sup>	
<input type="checkbox"/>	78	NVIDIA GeForce GTX 680M	Kepler	1344	720		3600	256	GDDR5	11	22760 <sup>6</sup>	
<input type="checkbox"/>	92	NVIDIA GeForce GTX 770M	Kepler	960	811		4000	192	GDDR5	11	22486 <sup>5</sup>	
<input type="checkbox"/>	136	NVIDIA Quadro K3100M	Kepler	768	706		3200	256	GDDR5	11	22437.5 <sup>2</sup>	
<input type="checkbox"/>	81	AMD Radeon HD 7970M	GCN	1280	850		4800	256	GDDR5	11.1	22370.5 <sup>6</sup>	
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06	
<input type="checkbox"/>	101	NVIDIA GeForce GTX 950M	Maxwell	640	914 - 993	1124	1800 - 5000	128	DDR3/GDDR5	12 (FL 11_0)	21645 <sup>13</sup>	
<input type="checkbox"/>	116	NVIDIA GeForce GTX 560M SLI	Fermi	384	775		1250	192	GDDR5	11	21388.5 <sup>2</sup>	
<input type="checkbox"/>	123	AMD Radeon HD 6990M	Terascale 2	1120	715		900	256	GDDR5	11	21082 <sup>3</sup>	
<input type="checkbox"/>	114	NVIDIA GeForce GTX 470M SLI	Fermi	576	535		1250	192	GDDR5	11	20607.5 <sup>2</sup>	
<input type="checkbox"/>	122	NVIDIA GeForce GTX 580M	Fermi	384	620		1500	256	GDDR5	11	20550.5 <sup>4</sup>	
<input type="checkbox"/>	117	NVIDIA Quadro K4000M	Kepler	960	600		2800	256	GDDR5	11	20518 <sup>3</sup>	
<input type="checkbox"/>	121	NVIDIA GeForce GTX 675M	Fermi	384	620		3000	256	GDDR5	11	20452.5 <sup>6</sup>	
<input type="checkbox"/>	139	NVIDIA GeForce GTX 670MX	Kepler	960	600		2800	192	GDDR5	11	20268 <sup>3</sup>	
<input type="checkbox"/>	112	NVIDIA GeForce 945M	Maxwell	512	928	1045	2000	128	DDR3	12 (FL 11_0)	20209	
<input type="checkbox"/>	115	NVIDIA GeForce GTX 480M SLI	Fermi	704	425		1200	256	GDDR5	11	20144	
<input type="checkbox"/>	132	NVIDIA GeForce GTX 485M	Fermi	384	575		1500	256	GDDR5	11	19877.5 <sup>4</sup>	
<input type="checkbox"/>	113	NVIDIA GeForce GTX 765M	Kepler	768	850		4000	128	GDDR5	11	19624 <sup>12</sup>	
<input type="checkbox"/>	143	NVIDIA GeForce GTX 670M	Fermi	336	598		3000	192	GDDR5	11	19451.5 <sup>8</sup>	
<input type="checkbox"/>	141	NVIDIA GeForce GTX 760M	Kepler	768	657		4000	128	GDDR5	11	19221 <sup>3</sup>	
<input type="checkbox"/>	140	NVIDIA Quadro 5010M	Fermi	384	450		1300	256	GDDR5 ECC	11	19036 <sup>3</sup>	
<input type="checkbox"/>	96	NVIDIA GeForce GT 755M SLI	Kepler	768	980		5400	2x 128	GDDR5	11	18996	
<input type="checkbox"/>	130	NVIDIA GeForce GTX 460M SLI	Fermi	384	675		1250	192	GDDR5	11	18583	
<input type="checkbox"/>	138	AMD Radeon R9 M370X	GCN 1.0	640	800		4500	128	GDDR5	12 (FL 11_0)	18481	



























Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
<input type="checkbox"/> 154	AMD FirePro M5100	GCN	640	725	775	4500	128	GDDR5	11_1)	12 (FL 11_1)	18391 <sup>2</sup>
<input type="checkbox"/> 70	AMD Radeon HD 8970M	GCN	1280	850	900	4800	256	GDDR5	11.1	18211.5 <sup>2</sup>	
<input type="checkbox"/> 100	NVIDIA GeForce GT 750M SLI	Kepler	768	967		2000 - 5000	2x 128	DDR3, GDDR5	11	17875	
<input type="checkbox"/> 172	NVIDIA Quadro 4000M	Fermi	336	475		1200	256	GDDR5	11	17727	
<input type="checkbox"/> 147	AMD Radeon HD 6970M	Terascale 2	960	680		900	256	GDDR5	11	17447 <sup>8</sup>	
<input type="checkbox"/> 153	AMD FirePro M6000	GCN	640	750		4500	128	GDDR5	11.1	17152	
<input type="checkbox"/> 151	NVIDIA Quadro K3000M	Kepler	576	654		2800	256	GDDR5	11	17037.5 <sup>2</sup>	
<input type="checkbox"/> 152	NVIDIA GeForce GTX 570M	Fermi	336	575		1150	192	GDDR5	11	17004.5 <sup>4</sup>	
<input type="checkbox"/> 129	NVIDIA GeForce GT 650M SLI	Kepler	768	790	835	4000	2x 128	GDDR5	11	16841.5 <sup>2</sup>	
<input type="checkbox"/> 146	AMD FirePro M8900	Terascale 2	960	680		900	256	GDDR5	11	16703	
<input type="checkbox"/> 135	NVIDIA GeForce GTX 285M SLI	G9x	256	576		1020	256	GDDR3	10	16608	
<input type="checkbox"/> 173	NVIDIA GeForce GTX 470M	Fermi	288	535		1250	192	GDDR5	11	16562 <sup>3</sup>	
<input type="checkbox"/> 131	ATI Mobility Radeon HD 5870 Crossfire	Terascale 2	1600	700		1000	128	DDR3, GDDR3, GDDR5	11	16521 <sup>3</sup>	
<input type="checkbox"/> 105	NVIDIA GeForce GTX 850M	Maxwell	640	876		2000 - 5000	128	DDR3, GDDR5	12 (FL 11_0)	16135 <sup>5</sup>	
<input type="checkbox"/> 161	NVIDIA GeForce GT 755M	Kepler	384	980		5400	128	GDDR5	11	15861	
<input type="checkbox"/> 145	AMD FirePro W5130M	GCN	512		925	4000	128	GDDR5	12 (FL 12_0)	15680	
<input type="checkbox"/> 149	AMD Radeon HD 8870M	GCN	640	725		4500	128	GDDR5, DDR3	11.1	15675 <sup>3</sup>	
<input type="checkbox"/> 155	NVIDIA Quadro K2100M	Kepler	576	667		3000	128	GDDR5	11	15586 <sup>3</sup>	
<input type="checkbox"/> 166	AMD Radeon R9 M265X	GCN	640	625		4000	128	GDDR5	12 (FL 11_1)	15426 <sup>3</sup>	
<input type="checkbox"/> 192	NVIDIA GeForce GTX 560M	Fermi	192	775		1250	192	GDDR5	11	15327 <sup>11</sup>	
<input type="checkbox"/> 144	NVIDIA Maxwell GPU Surface Book (940M, GDDR5)	Maxwell	384	954	993	5012	64	GDDR5	12 (FL 11_0)	15111	
<input type="checkbox"/> 174	NVIDIA GeForce GTX 480M	Fermi	352	425		1200	256	GDDR5	11	15066.5 <sup>6</sup>	
<input type="checkbox"/> 158	NVIDIA GeForce GTX 280M SLI	G9x	256	585		950	256	GDDR3	10	15000 <sup>3</sup>	
<input type="checkbox"/> 162	NVIDIA GeForce GTX 660M	Kepler	384	835		4000	128	GDDR5	11	14704 <sup>9</sup>	
<input type="checkbox"/> 199*	Intel Iris Graphics 550	Intel Gen. 9 (Skylake)	48	300	1100		64/128	DDR3/DDR4	12 (FL 12_1)	14581	
<input type="checkbox"/> 242	NVIDIA GeForce 9800M GT SLI	G9x	192	500		800	256	GDDR3	10	14400 <sup>2</sup>	

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3.11.2016






























## Ranking kart graficznych laptopy - Notebookcheck.pl

	213	AMD Radeon HD 6870M	Terascale 2	800	675	1000	128	DDR3, GDDR3, GDDR5	11		
	227	NVIDIA Quadro 3000M	Fermi	240	450	625	256	GDDR5	11	14220.5 <sup>2</sup>	
	171	ATI Mobility Radeon HD 4870 X2	Terascale 1	1600	550	888	256	GDDR3, GDDR5	10.1	14120 <sup>5</sup>	
	167	AMD Radeon HD 7850M	GCN	640	675	4000	128	GDDR5	11.1	14111	
	246	NVIDIA GeForce 9800M GTS SLI	G9x	128	600	800	256	GDDR3	10	14075 <sup>2</sup>	
	104	AMD Radeon R9 M385X	GCN	896	1100	6000	128	GDDR5	12 FL11_1	14024	
	211	AMD FirePro M4000	GCN	512	600	4500	128	GDDR5	11	13930.5 <sup>2</sup>	
	247	ATI Mobility Radeon HD 3870 X2	RV6xx	640	660	850	256	GDDR3	10.1	13815.5 <sup>4</sup>	
	159	AMD Radeon HD 6950M	Terascale 2	960	580	900	256	GDDR5	11	13719	
	175	NVIDIA GeForce GT 750M	Kepler	384	967	2000 - 5000	128	DDR3, GDDR5	11	13670 <sup>9</sup>	
	169	AMD FirePro W4170M	GCN	384	850	900 4000	128	GDDR5	11.2	13622	
	177	NVIDIA GeForce 940MX	Maxwell	384	1122	1242	64	GDDR5/DDR3	12 (FL 11_0)	13519 <sup>6</sup>	
	186	NVIDIA GeForce GT 650M	Kepler	384	735	900 1800 - 4000	128	DDR3, GDDR5	11	13514 <sup>21</sup>	
	190	NVIDIA GeForce GT 745M	Kepler	384	837	1800	128	DDR3, GDDR5	11	13462.5 <sup>4</sup>	
	201	Intel Iris Graphics 540	Intel Gen. 9 (Skylake)	48	300	1050	64/128	DDR3/DDR4	12 (FL 12_1)	13403	
	195	Intel Iris Pro Graphics 5200	Haswell	40	200	1300	eDRAM + 64/128	eDRAM	11.1	13123 <sup>2</sup>	
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
	168	AMD Radeon HD 8790M	GCN	384	850		4500	128	GDDR5	11.1	13118
	231	NVIDIA GeForce GTX 285M	G9x	128	576		1020	256	GDDR3	10	12988.5 <sup>2</sup>
	184	AMD Radeon R7 M370	GCN	384	875		3600	128	GDDR5	12	12983
	210	NVIDIA Quadro 5000M	Fermi	320	405		1200	256	GDDR5	11	12967
	219	NVIDIA GeForce GTX 460M	Fermi	192	675		1250	192	GDDR5	11	12942 <sup>14</sup>
	180	AMD FirePro W4190M	GCN	384	825	900	4000	128	GDDR5	11.2	12929
	230	NVIDIA Quadro FX 3800M	G9x	128	675		1000	256	GDDR3	10	12923 <sup>3</sup>
	208	ATI Mobility Radeon HD 5870	Terascale 2	800	700		1000	128	DDR3, GDDR3, GDDR5	11	12830.5 <sup>10</sup>
	249	ATI Mobility Radeon HD 3850 X2	RV6xx	640	580		750	256	GDDR3	10.1	12800
	217	AMD Radeon HD 8770M	GCN	384	775		4500	128	GDDR5	11.1	12680
	240	NVIDIA GeForce GTX 280M	G9x	128	585		950	256	GDDR3	10	12551 <sup>8</sup>
	212	ATI FirePro M7820	Terascale 2	800	700		1000	128	GDDR5	11	12531.5 <sup>2</sup>
	203*	NVIDIA Quadro M500M	Maxwell	384	1029	1124	4004	64	DDR3	12 (FL 11_0)	12377.5 <sup>2</sup>
	178	NVIDIA Quadro K1100M	Kepler	384	705		2800	128	GDDR5	11	12159 <sup>4</sup>



























	189	AMD Radeon R7 M275DX	GCN	896					DDR3	12	12122
	262	ATI FirePro M7740	Terascale 1	640	650	1000	128	GDDR5		10.1	12109.5 <sup>2</sup>
	204	NVIDIA Quadro K2000M	Kepler	384	745	1800	128	DDR3		11	11991 <sup>5</sup>
	206	NVIDIA GeForce GTX 260M SLI	G9x	224	550	950	256	GDDR3		10	11989 <sup>2</sup>
	179	NVIDIA GeForce 940M	Maxwell	384	1072	1176	2000	64	DDR3	12 (FL 11_0)	11920 <sup>6</sup>
	218	AMD Radeon R7 M260X	GCN	384	715	4000	128	GDDR5		12 (FL 11_1)	11820
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
	198	NVIDIA GeForce 930M	Maxwell	384	928	941	1800	64	DDR3	12 (FL 11_0)	11760
	282	NVIDIA Quadro 2000M	Fermi	192	550		900	128	DDR3	11	11656 <sup>3</sup>
	107	AMD Radeon R9 M280X	GCN	896	900	1000	5500	128	GDDR5	12 (FL 12_0)	11618
	248	NVIDIA GeForce 8800M GTX SLI	G9x	192	500		800	256	GDDR3	10	11565 <sup>3</sup>
	181	AMD Radeon R9 M375	GCN	640	1015		2200	128	DDR3	12 (FL 11_1)	11543
	254	Intel HD Graphics 530	Intel Gen. 9 (Skylake)	24	350	1150		64/128		12 (FL 12_1)	11360 <sup>8</sup>
	266	NVIDIA Quadro FX 2800M	G9x	96	600		1000	256	GDDR3	10	11358.5 <sup>2</sup>
	215	NVIDIA GeForce 9800M GTX SLI	G9x	224	500		800	256	GDDR3	10	11288
	224*	NVIDIA GeForce GT 645M	Kepler	384	710		1800	128	DDR3	11	11189 <sup>4</sup>
	250	NVIDIA Quadro FX 3700M	G9x	128	550		800	256	GDDR3	10	11000 <sup>3</sup>
	269	AMD Radeon HD 7690M XT	Terascale 2	480	725		3600	128	GDDR5	11	10919 <sup>2</sup>
	187	NVIDIA Quadro K620M	Maxwell	384	1029	1124	2000	64	DDR3	11	10912
	221*	NVIDIA GeForce 920MX	Maxwell	256				64	GDDR5/DDR3	12	10781
	232	ATI Mobility Radeon HD 4870	Terascale 1	800	550		888	256	GDDR5	10.1	10655 <sup>2</sup>
	233	NVIDIA GeForce GT 640M	Kepler	384	625	645	1800 - 4000	128	DDR3, GDDR5	11	10625.5 <sup>14</sup>
	270	AMD FirePro M5950	Terascale 2	480	725		900	128	GDDR5	11	10592
	277	NVIDIA GeForce GT 555M	Fermi	144	525	753	785-900	128/192	DDR3/GDDR5	11	10568 <sup>13</sup>
	142	AMD Radeon R9 M275	GCN	640	925		4500	128	GDDR5	12 (FL 11_1)	10378
	222	NVIDIA GeForce GT 730M	Kepler	384	725		1800 - 2000	64/128	DDR3	11	10333 <sup>9</sup>
	188	NVIDIA GeForce 840M	Maxwell	384	1029		2000	64	DDR3	12 (FL 11_0)	10332 <sup>11</sup>
Lp.	Pełna nazwa	Architektura	JC piksele	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory	DirectX	3DMark06

















			Il. :chołków	zenia	Turbo	amiedi	ła	Type		
286	NVIDIA GeForce GT 445M	Fermi	144	590		1250	192 / 128	DDR3, GDDR5	11	10304
164	AMD Radeon HD 8850M	GCN	640	575	725	4500	128	GDDR5, DDR3	11.1	10281.5 <sup>2</sup>
200	NVIDIA GeForce 830M	Maxwell	256	1029	1150	1800	64	DDR3	12 (FL 11_0)	10222.5 <sup>2</sup>
265	NVIDIA GeForce 9800M GTX	G9x	112	500		800	256	GDDR3	10	10138 <sup>5</sup>
264	NVIDIA GeForce GTX 260M	G9x	112	550		950	256	GDDR3	10	10064 <sup>9</sup>
275	AMD Radeon HD 6770M	Terascale 2	480	675 / 725		800	128	GDDR5	11	10056 <sup>7</sup>
287	NVIDIA GeForce GTS 360M	GT2xx	96	575		1800	128	DDR3, GDDR3, GDDR5	10.1	9865
228	AMD Radeon R7 M270	GCN	384	825		1800 - 2000	128	DDR3	12 (FL 11_1)	9791.5 <sup>2</sup>
263	ATI Mobility Radeon HD 4850	Terascale 1	800	500		850	256	GDDR3	10.1	9784 <sup>5</sup>
197	NVIDIA GeForce GT 740M	Kepler	384	810	980	1600 - 1800	64/128	DDR3	11	9700 <sup>22</sup>
290	AMD Radeon HD 7690M	Terascale 2	480	600	725	3600/1800	128	GDDR5/DDR3	11	9660
202*	Intel HD Graphics 620	Intel Gen. 9 (Kaby Lake)	24	300	1050		64/128	DDR3/DDR4	12 (FL 12_1)	9655 <sup>3</sup>
279	ATI Mobility Radeon HD 5850	Terascale 2	800	625		2000	128	DDR3, GDDR3, GDDR5	11	9655 <sup>10</sup>
237	AMD Radeon HD 7730M	GCN	512	575	675	1800	128	DDR3	11.1	9615
306	NVIDIA GeForce 9800M GTS	G9x	64	600		800	256	GDDR3	10	9501.5 <sup>2</sup>
243	AMD Radeon HD 8690M	GCN	384	775		4500	64	GDDR5	11.1	9413
300	AMD Radeon HD 6750M	Terascale 2	480	600		900	128	GDDR5	11	9361 <sup>5</sup>
280	AMD Radeon HD 6850M	Terascale 2	800	575 / 675		800	128	DDR3, GDDR5	11	9336
305	NVIDIA GeForce GTS 160M	G9x	64	600		800	256	GDDR3	10	9327
225	AMD FirePro M4100	GCN	384	670		4000	128	GDDR5	12 (FL 11_1)	9320














Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
209	NVIDIA GeForce 825M	Kepler	384	850			1800	64	DDR3	12 (FL 11_0)	9290
283	NVIDIA GeForce 9800M GT	G9x	96	500			800	256	GDDR3	10	9258 <sup>3</sup>
284	NVIDIA GeForce 8800M GTX	G9x	96	500			800	256	GDDR3	10	9217 <sup>15</sup>
360	NVIDIA NVS 5400M	Fermi	96	660			1800	128	DDR3	11	9192.5 <sup>2</sup>
252	NVIDIA GeForce 920M	Kepler	384	954			1800	64	DDR3	12 (FL 11_0)	9003.5 <sup>4</sup>
251	AMD Radeon R7 M340	GCN	320	1021			2000	64	DDR3	12	8982
328	AMD Radeon R5 M255	GCN	320	940			1800 - 2000	64	DDR3	12	8935
226	AMD Radeon HD 8750M	GCN	384	620	775		2000 - 4000	128	GDDR5, DDR3	11.1	8901.5 <sup>8</sup>
244	AMD Radeon R8 M445DX	GCN	704	720 /			933 / 1000	128 + 64	DDR4/DDR3	12	8880.5 <sup>2</sup>

					1020						
	229	AMD Radeon R7 M265	GCN	384	825	980	1800 - 2000	64/128	DDR3	12 (FL 11_1)	8876 <sup>3</sup>
	271	NVIDIA GeForce GT 640M LE	Fermi / Kepler	384	500		1800 - 4000	128	DDR3, GDDR5	11	8858 <sup>5</sup>
	332	Intel HD Graphics 520	Intel Gen. 9 (Skylake)	24	300	1050		64/128	DDR3/DDR4	12 (FL 12_1)	8786 <sup>26</sup>
	302	NVIDIA GeForce GT 550M	Fermi	96	740		900	128	DDR3/GDDR5	11	8776 <sup>3</sup>
	333	Intel Iris Graphics 6100	Broadwell	48	300	1100		64/128		12 (FL 11_1)	8764 <sup>3</sup>
	235	AMD Radeon R8 M365DX	GCN	768	720 / 1125		800 / 1000	128 + 64	DDR3	12	8708.5 <sup>2</sup>
	245	AMD Radeon R7 M440	GCN	320	1021		2000	64	DDR3	12	8650
	411	ATI Mobility Radeon HD 3870	RV6xx	320	660		850	256	GDDR3	10.1	8635.5 <sup>2</sup>
	274	AMD Radeon HD 8730M	GCN	384	650		2000	128	DDR3	11.1	8620 <sup>2</sup>
	322	NVIDIA GeForce GT 630M	Fermi	96	672		1800	128	DDR3	11	8610 <sup>26</sup>
	236*	AMD Radeon R7 M460	GCN	0				64		12	8587
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
	220	AMD Radeon HD 8550G + HD 8750M Dual Graphics		640	720 / 825		1800	128	DDR3	11	8553
	207	NVIDIA GeForce GT 735M	Kepler	384	575	889	1800 - 2000	64	DDR3	11	8527 <sup>2</sup>
	276	NVIDIA GeForce GT 635M	Fermi	144	660	753	1800	128/192	DDR3/GDDR5	11	8517.5 <sup>6</sup>
	329	NVIDIA Quadro 1000M	Fermi	96	700		900	128	DDR3	11	8509 <sup>3</sup>
	318	AMD Radeon HD 7640G + HD 7670M Dual Graphics	Terascale 3	736	655 / 600		1800	128		11	8451.5 <sup>4</sup>
	313	NVIDIA GeForce 9800M GS	G9x	64	530		800	256	GDDR3	10	8449.5 <sup>4</sup>
	335	NVIDIA GeForce 8800M GTS	G9x	64	500		800	256	GDDR3	10	8385 <sup>3</sup>
	301	NVIDIA Quadro K1000M	Kepler	192	850		1800	128	DDR3	11.1	8340.5 <sup>2</sup>
	370	NVIDIA GeForce GTS 350M	GT2xx	96	500		1600	128	DDR3, GDDR3, GDDR5	10.1	8303.5 <sup>2</sup>
	239	AMD Radeon R7 M360	GCN 2.0	384	1125		2000	64	DDR3	12	8273.5 <sup>4</sup>
	321	AMD Radeon HD 7670M	Terascale 2	480	600		1800	128	DDR3, (GDDR5)	11	8203 <sup>15</sup>
	433	NVIDIA GeForce 8700M GT SLI	G8x	64	625		800	128	GDDR3	10	8176 <sup>4</sup>
	346	NVIDIA Quadro K610M	Kepler	192	954		2600	64	GDDR5	11	8157
	285	NVIDIA Quadro FX 3600M	G9x	96	500		800	256	GDDR3	10	8135.5 <sup>2</sup>
	345	Intel HD Graphics 6000	Broadwell	48	300	1000		64/128		12 (FL 11_1)	8091 <sup>3</sup>
	309	ATI Mobility Radeon HD 5830	Terascale 2	800	500		800	128	DDR3, GDDR3	11	8050 <sup>3</sup>
	361	NVIDIA GeForce 710M	Fermi	96	775	800	1800	64	DDR3	11	7993 <sup>2</sup>
	349	NVIDIA GeForce GT 540M	Fermi	96	672		900	128	GDDR5, DDR3	11	7986 <sup>41</sup>































	295	AMD Radeon HD 7660G + HD 7670M Dual Graphics	Terascale 2	862	685 / 600	1800	128	DDR3,GDDR5	11	7935 <sup>5</sup>	
	234	AMD Radeon R7 (Kaveri)	GCN 1.1	512	553	686	64/128		12 (FL 12_0)	7921.5 <sup>2</sup>	
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
	312*	AMD Radeon HD 6730M	Terascale 2	480	725		800	128	DDR3	11	7918
	334	NVIDIA GeForce GT 720M	Fermi	96	625	938	1800 - 2000	64	DDR3	11	7896 <sup>5</sup>
	387	AMD Radeon HD 7640G + HD 7610M Dual Graphics	Terascale 3	656	655 / 450		1800	128		11	7881.5 <sup>2</sup>
	257	AMD Radeon R7 M260	GCN	384	715	980	1800 - 2000	64/128	DDR3	12 (FL 11_1)	7810 <sup>3</sup>
	405	NVIDIA GeForce 9700M GTS	G9x	48	530		800	256	GDDR3	10	7779 <sup>2</sup>
	407	NVIDIA Quadro FX 2700M	G9x	48	530		800	256	GDDR3	10	7660
	377	NVIDIA Quadro FX 1800M	GT2xx	72	560		1100	128	DDR3, GDDR5	10.1	7572.5 <sup>2</sup>
	316	AMD Radeon HD 6570M	Terascale 2	400	650		900	128	DDR3, GDDR5	11	7553
	331	NVIDIA GeForce 820M	Fermi	96	775		1800	64	DDR3	12 (FL 11_0)	7518 <sup>5</sup>
	363	NVIDIA GeForce GT 435M	Fermi	96	650		800	128	DDR3	11	7510.5 <sup>2</sup>
	400	NVIDIA NVS 5200M	Fermi	96	625		1800	64	DDR3	11	7502.5 <sup>4</sup>
	371	NVIDIA GeForce GTS 250M	GT2xx	96	500		1600	128	DDR3, GDDR3, GDDR5	10.1	7484 <sup>5</sup>
	417	NVIDIA GeForce Go 7950 GTX SLI	G7x	48	16 575		700	256	GDDR3	9c	7472
	384	NVIDIA GeForce GT 620M	Fermi	96	625	715	1800	64 / 128	DDR3	11	7462 <sup>10</sup>
	289*	AMD Radeon HD 6755G2	Terascale 2	880						11	7377 <sup>2</sup>
	353	Intel HD Graphics 4600	Haswell	20	200	1350		64/128		11.1	7362 <sup>14</sup>
	373	AMD Radeon HD 7650M	Terascale 2	480	450	550	1800	128	DDR3	11	7333 <sup>6</sup>
	362	AMD Radeon HD 7660G	Terascale 3	384	497	686				11	7317 <sup>2</sup>
	381	AMD Radeon HD 8550G	Terascale 3	256	515	720				11	7314
	352	AMD Radeon HD 6650M	Terascale 2	480	600		900	128	DDR3	11	7307 <sup>5</sup>
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
	320	AMD Radeon HD 7520G + HD 7670M Dual Graphics	Terascale 3	736	655 / 600		1800	128		11	7282 <sup>2</sup>
	354	ATI Mobility Radeon HD 5730	Terascale 2	400	650		800	128	DDR3, GDDR3	11	7265 <sup>3</sup>
	359	ATI FirePro M5800	Terascale 2	400	650		800	128	DDR3, GDDR5	11	7237 <sup>3</sup>
	258	AMD Radeon R5 (Bristol Ridge)	GCN 1.2/2.0	384		800		64/128		12 (FL 12_0)	7202































	314	ATI Mobility Radeon HD 4830	Terascale 1	640	550	700	128	GDDR3, DDR3	10.1	7155
	368	AMD Radeon HD 6550M	Terascale 2	400	600	800	128	DDR3	11	7143 <sup>2</sup>
	380	AMD Radeon HD 6530M	Terascale 2	400	500	800	128	DDR3	11	7119.5 <sup>2</sup>
	388	AMD Radeon HD 7610M	Terascale 2	400	450	1600	128	DDR3	11	7100 <sup>3</sup>
	319*	AMD Radeon HD 6620G + HD 7670M Dual Graphics	Terascale 2	880	400 / 600	1800			11	7083
	385	NVIDIA GeForce GT 525M	Fermi	96	600	900	128	GDDR5, DDR3	11	7058.5 <sup>8</sup>
	355	Intel HD Graphics 5500	Broadwell	24	300	950	64/128		12 (FL 11_1)	6978 <sup>21</sup>
	294	AMD Radeon HD 8650G + HD 8570M Dual Graphics		768	720 / 650	1800 - 2000	64	DDR3	11	6970
	372	AMD Radeon HD 6630M	Terascale 2	480	485	800	128	DDR3	11	6934 <sup>11</sup>
	348	Intel Iris Graphics 5100	Haswell	40	200	1200	64/128		11.1	6928.5 <sup>4</sup>
	260	AMD Radeon R6 (Carrizo)	GCN 1.2/2.0	384		800	64/128		12 (FL 12_0)	6896 <sup>3</sup>
	408	NVIDIA GeForce GT 335M	GT200	72	450	1066	128	DDR3, GDDR3	10.1	6892 <sup>5</sup>
	403	ATI Mobility Radeon HD 4670	Terascale 1	320	675	800	128	GDDR3, DDR2, DDR3	10.1	6828 <sup>3</sup>
	419	NVIDIA GeForce Go 7900 GTX SLI	G7x	48	16 500	600	256	GDDR3	9c	6820
	311*	AMD Radeon HD 6740G2	Terascale 2	880					11	6753.5 <sup>2</sup>
	330	NVIDIA GeForce 910M	Kepler	384	641	2000	64	DDR3	12 (FL 11_0)	6741

Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
	317	AMD Radeon HD 8650G	Terascale 3	384	533	720				11	6732.5 <sup>2</sup>
	404	NVIDIA GeForce GT 425M	Fermi	96	560		800	128	DDR3	11	6706.5 <sup>8</sup>
	468	NVIDIA GeForce 8600M GT SLI	G8x	64	475		700	128	GDDR3, GDDR2	10	6614
	241*	AMD Radeon R7 (Carrizo)	GCN 1.2/2.0	512		800		64/128		12 (FL 12_0)	6528 <sup>4</sup>
	356*	Intel HD Graphics 615	Intel Gen. 9 (Kaby Lake)	24	300	1050		64/128	DDR3L/LPDDR3	12 (FL 12_1)	6524
	378	ATI Mobility Radeon HD 5650	Terascale 2	400	450	650	800	128	GDDR3, DDR3	11	6469 <sup>25</sup>
	397	Intel HD Graphics 515	Intel Gen. 9 (Skylake)	24	300	1000		64/128	DDR3L/LPDDR3	12 (FL 12_1)	6446 <sup>14</sup>
	409	AMD Radeon HD 7500G + HD 7550M Dual Graphics	Terascale 3	736	655 / 600		1800	128		11	6404
	424	NVIDIA Quadro FX 880M	GT2xx	48	550		790	128	GDDR3, DDR3	10.1	6378 <sup>5</sup>
	425	NVIDIA Quadro NVS 5100M	GT2xx	48	550		800	128	DDR3	10.1	6325
	480	NVIDIA Quadro FX 1700M	G9x	32	625		800	128	GDDR3	10	6302
	326*	AMD Radeon R5 M430	GCN	320			2000	64	DDR3	12	6246
	423	NVIDIA GeForce GT 330M	GT2xx	48	575		1066	128	GDDR2, GDDR3, DDR3	10.1	6232 <sup>21</sup>

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	415	ATI Mobility Radeon HD 560v	Terascale 1	320	550	800	128	GDDR3, DDR3, DDR2	10.1	6224	
	416	ATI Mobility Radeon HD 4650	Terascale 1	320	550	800	128	GDDR3, DDR2, DDR3	10.1	6207 <sup>10</sup>	
	342*	AMD Radeon HD 6720G2	Terascale 2	880					11	6186 <sup>3</sup>	
	420	NVIDIA GeForce GT 420M	Fermi	96	500	800	128	(G)DDR3	11	6148 <sup>3</sup>	
	414	ATI Mobility Radeon HD 5165	Terascale 1	320	600	900	128	(G)DDR3	10.1	6125	
	422	ATI Mobility Radeon HD 3850	RV6xx	320	580	750	256	GDDR3	10.1	6095 <sup>2</sup>	
	374	AMD FirePro M2000	Terascale 2	480	500	3200	64	GDDR5	11.1	6086	
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
	375	AMD Radeon HD 7570M	Terascale 2	400	450	650	3200 / 1800	64	GDDR5 / DDR3	11	5998.5 <sup>6</sup>
	272	AMD Radeon R6 (Kaveri)	GCN 1.1	384	533	654		64/128		12 (FL 12_0)	5989 <sup>3</sup>
	327	AMD Radeon R5 M330	GCN 2.0	320	1030		2000	64	DDR3	12	5972 <sup>2</sup>
	426	NVIDIA GeForce GT 240M	GT2xx	48	550		800	128	DDR3, GDDR2, GDDR3	10.1	5952 <sup>5</sup>
	365	Intel HD Graphics 5000	Haswell	40	200	1100		64/128		11.1	5940 <sup>6</sup>
	325	AMD Radeon R5 M335	GCN	320	1070		2200	64	DDR3	12	5921
	434	NVIDIA GeForce 9700M GT	G9x	32	625		800	128	GDDR2, GDDR3	10	5908.5 <sup>2</sup>
	293	AMD Radeon HD 8650G + HD 8670M Dual Graphics		768	720 / 775		1800 - 2000	64	DDR3	11	5716
	336	AMD Radeon R5 M240	GCN	320	1030		1800	64	DDR3	11.2	5698 <sup>2</sup>
	431	NVIDIA GeForce Go 7950 GTX	G7x	24	8	575	700	256	GDDR3	9c	5659 <sup>2</sup>
	344	AMD Radeon HD 8570M	GCN	384	650		1800 - 2000	64	DDR3	11.1	5650 <sup>2</sup>
	435	NVIDIA GeForce GT 230M	GT2xx	48	500		800	128	GDDR2, GDDR3	10.1	5647
	460	AMD Radeon HD 6490M	Terascale 2	160	700 / 750 / 800		800	64	DDR3/GDDR5	11	5571 <sup>4</sup>
	389	AMD Radeon HD 7620G	Terascale 3	384	360	497				11	5553 <sup>2</sup>
	253	AMD Radeon R6 M340DX	GCN	704					DDR3	12	5388
	466	NVIDIA GeForce GT 325M	GT2xx	48	450		1066	128	GDDR2, GDDR3, DDR3	10.1	5373 <sup>3</sup>
	488	NVIDIA Quadro FX 770M	G9x	32	500		800	128	GDDR2 / GDDR3	10	5296.5 <sup>2</sup>
	464	NVIDIA GeForce GT 520MX	Fermi	48	900		900	64	DDR3	11	5296 <sup>2</sup>
	467	NVIDIA GeForce Go 7800 GTX SLI	G7x	48	16	440	550	256	GDDR3	9c	5269
	436	ATI Mobility Radeon HD 550v	Terascale 1	320	450		600	128	GDDR3, DDR3, DDR2	10.1	5260
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
	432	NVIDIA Quadro FX 3500M	G7x	24	8	575	700	256	GDDR3	9c	5254

	296	AMD Radeon HD 8550G + HD 8670M Dual Graphics		640	720 / 975	2000	64	DDR3	11	5229.5 <sup>2</sup>	
	489	NVIDIA GeForce GT 120M	G9x	32	500	1000	128	GDDR2, GDDR3	10	5225 <sup>3</sup>	
	486	NVIDIA GeForce 9600M GT	G9x	32	500	800	128	GDDR2, GDDR3	10	5174 <sup>10</sup>	
	398	Intel HD Graphics 4400	Haswell	20	200	1100	64/128		11.1	5164 <sup>54</sup>	
	338	AMD Radeon R5 M230	GCN	320	855	1800 - 2000	64	DDR3	12	5145	
	474	AMD Radeon HD 8350G	Terascale 3	128	514	720			11	5139	
	443*	Intel HD Graphics (Broadwell)	Broadwell	12	100	850	64/128		12 (FL 11_1)	5077	
	469	NVIDIA GeForce Go 7900 GS SLI	G7x	40	14 375	500	256	GDDR3	9c	5076	
	499*	AMD FirePro M3900	Terascale 2	160	700	750 900	64	DDR3	11	4997	
	446	AMD Radeon R5 (Beema/Carrizo-L)	GCN 1.1	128		850	64		12 (FL 12_0)	4956 <sup>2</sup>	
	470	NVIDIA GeForce GT 130M	G9x	32	600	1066	128	GDDR2, GDDR3	10	4950 <sup>4</sup>	
	402	AMD Radeon HD 7550M	Terascale 2	400	450	550 3200 / 1800	64	GDDR5 / DDR3	11	4932 <sup>3</sup>	
	471	NVIDIA NVS 4200M	Fermi	48	810	800	64	DDR3	11	4929 <sup>8</sup>	
	481	NVIDIA Quadro FX 1600M	G8x	32	625	800	128	GDDR3	10	4915.5 <sup>2</sup>	
	477	NVIDIA GeForce 9650M GT	G9x	32	550	800	128	GDDR2, GDDR3	10	4880 <sup>5</sup>	
	476	NVIDIA GeForce 9650M GS	G8x	32	625	800	128	GDDR2?, GDDR3	10	4830	
	455	AMD Radeon HD 7500G	Terascale 3	256	327	424			11	4810 <sup>2</sup>	
	479	NVIDIA GeForce 8700M GT	G8x	32	625	800	128	GDDR3	10	4804 <sup>4</sup>	
	364*	AMD Radeon HD 6680G2	Terascale 2	800					11	4795	
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
	453*	AMD Radeon HD 6520G + HD 7450M Dual Graphics	Terascale 2	480	400 / 700		1800	64		11	4786 <sup>3</sup>
	428	Intel HD Graphics 5300	Broadwell	24	100	900		64/128		12 (FL 11_1)	4775 <sup>8</sup>
	484	NVIDIA Quadro NVS 320M	G8x	32	575		700	128	GDDR3, GDDR2	10	4769
	500	NVIDIA GeForce GT 520M	Fermi	48	740 / 600		800 / 900	64 / 128	DDR3 (GDDR5)	11	4742.5 <sup>8</sup>
	510	NVIDIA GeForce GT 320M	GT2xx	24	500		790	128	DDR3	10.1	4706
	347	AMD Radeon HD 8550M	GCN	384	700		1800	64	DDR3	11.1	4700
	473	NVIDIA Quadro FX 2500M	G7x	24	8 500		600	256	GDDR3	9c	4695 <sup>2</sup>
	297	AMD Radeon HD 8670M	GCN	384	775		2000	64	DDR3	11.1	4670 <sup>3</sup>
	492	NVIDIA GeForce 610M	Fermi	48	672	900	1800	64	DDR3	11	4598 <sup>4</sup>
	472	NVIDIA GeForce Go 7900 GTX	G7x	24	8 500		600	256	GDDR3	9c	4503 <sup>2</sup>
	498	AMD Radeon HD 6470M	Terascale 2	160	700 / 750		800	64	DDR3	11	4502 <sup>11</sup>

438	Intel HD Graphics 4000	Ivy Bridge	16	350	1350	64/128		11	4412.5 <sup>140</sup>
502	ATI Mobility Radeon HD 3670	RV6xx	120	680	800	128	DDR2/GDDR3/GDDR4	10.1	4389.5 <sup>4</sup>
517	NVIDIA GeForce 9600M GS	G9x	32	430	800	128	GDDR2, GDDR3	10	4382.5 <sup>2</sup>
491	AMD Radeon HD 7450M	Terascale 2	160	700	1800	64	DDR3, GDDR5	11	4346.5 <sup>2</sup>
465	AMD Radeon HD 7520G	Terascale 3	192	497	686			11	4332 <sup>3</sup>
358	AMD Radeon R5 (Kaveri)	GCN 1.1	256	514	626	64/128		12 (FL 12_0)	4317
490*	AMD Radeon HD 6510G2	Terascale 2	400					11	4313
533	ATI Mobility FireGL V5700	RV6xx	120	600	700	128	DDR2/GDDR3/GDDR4	10.1	4270.5 <sup>2</sup>
343	AMD Radeon HD 8450G + Radeon HD 8570M Dual Graphics	Terascale 3 / GCN	576	720 / 650	1800	64		11	4242

































Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
509	NVIDIA GeForce 320M	GT2xx	32		450					10.1	4229.5 <sup>4</sup>
522	NVIDIA GeForce GT 415M	Fermi	48		500		800	128	(G)DDR3	11	4193.5 <sup>2</sup>
511	ATI Mobility Radeon HD 2600 XT	RV6xx	120		700		750	128	DDR2, GDDR3	10	4179 <sup>2</sup>
391	AMD Radeon HD 7640G	Terascale 3	256		497	686				11	4173 <sup>2</sup>
485	NVIDIA Quadro FX 1500M	G7x	20	7	375		500	256	GDDR3	9c	4074
521	ATI Mobility Radeon HD 2700	RV6xx	120		700		700	128	DDR2, GDDR3	10	4067.5 <sup>2</sup>
447	AMD Radeon R4 (Beema)	GCN 1.1	128		800			64		12 (FL 12_0)	4046
523	NVIDIA GeForce 410M	Fermi	48		575		800	64	DDR3	11	4035 <sup>4</sup>
454*	AMD Radeon HD 6540G2	Terascale 2	480							11	4026 <sup>2</sup>
478	AMD Radeon R3 (Mullins/Beema)	GCN 1.1	128		350	686		64		12 (FL 12_0)	4010 <sup>3</sup>
487	NVIDIA GeForce GT 220M	GT2xx	32		500		800	128	GDDR2, GDDR3	10	4010
482	NVIDIA GeForce Go 7800 GTX	G7x	24	8	440		550	256	GDDR3	9c	4000
527	AMD Radeon HD 6370M	Terascale 2	80		750		800	64	DDR3	11	3999
458	AMD Radeon HD 8450G	Terascale 3	192		533	720				11	3868 <sup>2</sup>
530	AMD Radeon HD 6450M	Terascale 2	160		600		800	64	DDR3	11	3845.5 <sup>2</sup>
566	Intel HD Graphics 2500	Ivy Bridge	6		650	1150		64/128		11.0	3816 <sup>5</sup>
540	NVIDIA Quadro FX 570M	G8x	32		475		700	128	GDDR3	10	3800
541*	ATI Mobility Radeon HD 5450	Terascale 2	80		675		800	64	DDR3	11	3775.5 <sup>2</sup>
535	ATI Mobility Radeon HD 545v	Terascale 1	80		720		800	64	GDDR3, DDR3, DDR2	10.1	3760 <sup>2</sup>
501	AMD Radeon HD 7420G	Terascale 3	128		480	655				11	3751 <sup>2</sup>
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost	Zegar pamięci	Magistrala	Memoria	DirectX	3DMark06

			sell	rdzenia wierzchołków	Turbo / Turbo	pamięci / Pamięci	trajektorie	Type Memory Type	DirectX	
518	NVIDIA GeForce 9500M GS	G8x	32	475		700	128	GDDR2 / GDDR3	10	3705.5 <sup>4</sup>
546	NVIDIA Quadro FX 380M	GT2xx	16	625		800	64	GDDR3, DDR3	10.1	3687
529	ATI Mobility Radeon HD 5470	Terascale 2	80	750		1800	64	DDR2, GDDR2, DDR3, GDDR3, GDDR5	11	3683.5 <sup>16</sup>
534	ATI Mobility Radeon HD 5145	Terascale 1	80	720		900	64	DDR3, GDDR3	10.1	3661 <sup>3</sup>
456*	AMD Radeon HD 6480G + HD 7450M Dual Graphics	Terascale 2	400	593 / 700		- / 1800	64		11	3648
539	ATI Mobility Radeon HD 4570	Terascale 1	80	680		800	64	GDDR3, DDR2, DDR3	10.1	3633 <sup>7</sup>
459	AMD Radeon HD 7470M	Terascale 2	160	750 / 800		3200 / 1800	64	DDR3/GDDR5	11	3624.5 <sup>2</sup>
440	AMD Radeon HD 6620G	Terascale 2	400	400					11	3595.5 <sup>2</sup>
495	Intel HD Graphics 405 (Braswell)	Intel Gen8	16	320	700		64/128		11.2	3566
350*	AMD Radeon HD 8610G	Terascale 3	384	533	626				11	3538
462	AMD Radeon HD 8400	GCN	128	600					11.1	3532 <sup>2</sup>
483	NVIDIA GeForce Go 7900 GS	G7x	20 <sup>7</sup>	375		500	256	GDDR3	9c	3519 <sup>2</sup>
410	AMD Radeon HD 7600G	Terascale 3	384	320	424				11	3504 <sup>3</sup>
520*	AMD Radeon HD 6480G	Terascale 2	240	444					11	3497 <sup>3</sup>
564	ATI Mobility Radeon HD 540v	Terascale 1	80	550		800	64	GDDR3, DDR3, DDR2	10.1	3494
512	ATI Mobility Radeon X1900		36 <sup>8</sup>	400		470	256	DDR1/DDR2/GDDR3	9c	3460 <sup>3</sup>
565	ATI Mobility Radeon HD 4550	Terascale 1	80	550		700	64	GDDR3, DDR2, DDR3	10.1	3449 <sup>3</sup>
553	NVIDIA GeForce 9500M G	G9x	16	500		800	128	GDDR2, GDDR3	10	3435 <sup>2</sup>
449	Intel HD Graphics 4200	Haswell	20	200	850		64/128		11.1	3383 <sup>7</sup>
532	ATI Mobility Radeon HD 3650	RV6xx	120	600		700	128	DDR2/GDDR3/GDDR4	10.1	3360 <sup>7</sup>
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
506	Intel HD Graphics (Haswell)	Haswell	10	200	1000		64/128		11.1	3357.5 <sup>4</sup>
475	AMD Radeon HD 8330	GCN	128	500					11.1	3334.5 <sup>8</sup>
507	AMD Radeon HD 6520G	Terascale 2	320	400					11	3322 <sup>3</sup>
545	Intel HD Graphics 3000	Sandy Bridge	12	350	1350		64/128		10.1	3286.5 <sup>112</sup>
543	NVIDIA GeForce 8600M GT	G8x	32	475		700	128	GDDR3, GDDR2	10	3277 <sup>10</sup>
551	NVIDIA GeForce 315M	GT2xx	16	606		790	64	GDDR3, DDR3	10.1	3267 <sup>2</sup>
549	NVIDIA NVS 3100M	GT2xx	16	600		800	64	GDDR3, DDR3	10.1	3257 <sup>7</sup>
542*	AMD Radeon R2 (Mullins/Beema/Carrizo-L)	GCN 1.1	128	300	600		64		12 (FL 12_0)	3242 <sup>2</sup>
547	NVIDIA GeForce 310M	GT2xx	16	606 / 625		800	64	GDDR3, DDR3	10.1	3206 <sup>17</sup>













 442*	AMD Radeon R4 (Kaveri)	GCN 1.1	192	533		64/128		12 (FL 12_0)	3179		
 544	ATI Mobility Radeon HD 2600	RV6xx	120	500	600	128	DDR2, GDDR3	10	3177		
 571	ATI Mobility Radeon HD 4350	Terascale 1	80	450	600	64	GDDR3, DDR2, DDR3	10.1	3130 <sup>4</sup>		
 574	NVIDIA GeForce 305M	GT2xx	16	525	700	64	GDDR2, GDDR3, DDR2, DDR3	10.1	3101		
 562	ATI Mobility Radeon HD 5430	Terascale 2	80	550	800	64	DDR3, GDDR5?	11	3082		
 548	NVIDIA GeForce G210M	GT2xx	16	625	800	64	GDDR2, GDDR3	10.1	3047		
 554	NVIDIA GeForce 8600M GS	G8x	16	600	700	128	GDDR3, GDDR2	10	3027.5 <sup>2</sup>		
 555	NVIDIA NVS 2100M	GT2xx	16	535	800	64	GDDR3, DDR3	10.1	2971		
 573	ATI Mobility Radeon HD 530v	Terascale 1	80	450	600	64	GDDR3, DDR3, DDR2	10.1	2947		
 519	AMD Radeon HD 7400G	Terascale 3	192	327	423			11	2931		
 567	Intel HD Graphics (Ivy Bridge)	Ivy Bridge	6	350	1100	64/128		11.0	2930 <sup>12</sup>		
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
 570	ATI Mobility Radeon HD 4530	Terascale 1	80	500	700	64	GDDR3, DDR2, DDR3	10.1	2902		
 552	NVIDIA GeForce Go 7600 GT		12	5	500	600	128	GDDR3, GDDR2, GDDR1	9c	2833	
 556	NVIDIA GeForce Go 7700		12	5	450	500	128	GDDR3, GDDR2, GDDR1	9c	2685.5 <sup>4</sup>	
 514	ATI Mobility Radeon X1800		12	6	450	500	256	GDDR3	9c	2681	
 561*	AMD Radeon HD 6380G	Terascale 2	160	400				11	2639		
 537	AMD Radeon HD 8240	GCN	128	400				11.1	2636		
 526	Intel HD Graphics (Cherry Trail)	Intel Gen8	16	200	600	64/128		12 (FL 11_1)	2595 <sup>5</sup>		
 538	AMD Radeon HD 8250	GCN	128	300	400			11.1	2570 <sup>2</sup>		
 601*	Intel HD Graphics (Sandy Bridge)	Sandy Bridge	6	350	1100	64/128		10.1	2509 <sup>19</sup>		
 515	NVIDIA GeForce Go 6800 Ultra		12	5	450	600	256	DDR3	9c	2500	
 611	AMD Radeon HD 7340	Terascale 2	80	523	680			11	2466.5 <sup>8</sup>		
 588	NVIDIA GeForce G 110M	G9x	16	400	700	64	GDDR2, GDDR3	10	2450 <sup>2</sup>		
 612*	AMD Radeon HD 6320	Terascale 2	80	500	600			11	2406.5 <sup>8</sup>		
 590	ATI Mobility Radeon HD 4330	Terascale 1	80	450	600	64	GDDR3, DDR2, DDR3	10.1	2352 <sup>2</sup>		
 616	ATI Mobility Radeon HD 3470 Hybrid X2	RV6xx	80				DDR2/GDDR3	10.1	2324		
 593	Intel HD Graphics 2000	Sandy Bridge	6	850/1100	1350	64/128		10.1	2288 <sup>3</sup>		
 595	NVIDIA GeForce G 105M	G9x	8	640	700	64	GDDR2, GDDR3	10	2261 <sup>7</sup>		
 516	NVIDIA GeForce Go 7800	G7x	16	6	400	550	GDDR3	9c	2200		
 563	AMD Radeon HD 8210	GCN	128	300				11.1	2177.5 <sup>4</sup>		
 575	ATI Mobility Radeon X1700		12	5	475	400	128	DDR/DDR2/GDDR3/GDDR4	9c	2139 <sup>5</sup>	
















Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
610*	VIA Chrome9HD									10.1	2120
577	ATI Mobility Radeon X2500		12	5	460		400	64 / 128	DDR2	9c	2100
614*	AMD Radeon HD 6310	Terascale 2	80		500					11	1984.5 <sup>10</sup>
620*	NVIDIA ION 2	GT2xx	16		405 / 475 / 535		790	64	DDR2, DDR3	10.1	1963 <sup>5</sup>
625	ATI Mobility Radeon HD 3450	RV6xx	40		500		700	64	DDR2/GDDR3	10.1	1911.5 <sup>4</sup>
557	NVIDIA GeForce Go 6800		12	5	300		300	128 / 256		9c	1900
578	NVIDIA GeForce Go 7600		8	5	450		350	128 / 64	GDDR3, GDDR2, GDDR1	9c	1900 <sup>15</sup>
596	NVIDIA GeForce G 103M	G9x	8		640		500	64	DDR2	10.0	1885
607	Intel HD Graphics (Bay Trail)	Ivy Bridge	4		311	896		32/64/128		11	1867 <sup>26</sup>
623	NVIDIA Quadro NVS 160M		8		580		700	64	GDDR2, GDDR3	10	1841 <sup>3</sup>
581	ATI Mobility Radeon X1600		12	5	450		470	128	DDR/DDR2/GDDR3	9c	1836 <sup>13</sup>
624	NVIDIA GeForce 9200M GS		8		550		700	64	GDDR2, GDDR3	10	1817.5 <sup>2</sup>
619	NVIDIA GeForce 9300M G		16		400		600	64	GDDR2 / GDDR3	10	1775.5 <sup>2</sup>
615	AMD Radeon HD 8180	GCN	128		225					11.1	1723.5 <sup>2</sup>
626	ATI Mobility Radeon HD 3430	RV6xx	40		450		700	64	GDDR2	10.1	1690 <sup>3</sup>
628	ATI Mobility Radeon HD 2400 XT	RV6xx	40		600		700	64	DDR2, GDDR3	10	1689 <sup>2</sup>
576	ATI Mobility FireGL V5250		12	5	400		330	128	DDR/DDR2/GDDR3/GDDR4	9c	1672
622	NVIDIA Quadro FX 370M		8		580		700	64	GDDR2, GDDR3	10	1595
599	NVIDIA GeForce G 205M	G9x	16		450					10	1589
618	ATI Mobility Radeon HD 3470	RV6xx	40		680		800	64	DDR2/GDDR3	10.1	1566 <sup>3</sup>
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
636	NVIDIA Quadro NVS 150M		8		530		700	64	GDDR2, GDDR3	10	1561
631*	AMD Radeon HD 7290	Terascale 2	80		280	400				11	1536
632*	AMD Radeon HD 6290	Terascale 2	80		280	400				11	1513 <sup>2</sup>
637	NVIDIA Quadro FX 360M		16		400		600	64	GDDR3	10	1490
621	NVIDIA GeForce 9300M GS		8		550		700	64	GDDR2, GDDR3	10	1465
633	ATI Radeon HD 4200	RV6xx	40		500					10.1	1465
613	AMD Radeon HD 7310	Terascale 2	80		500					11	1458.5 <sup>4</sup>
627	ATI Mobility Radeon HD 3410	RV6xx	40		400		700	64	GDDR2	10.1	1450




























	635	AMD Radeon HD 6250	Terascale 2	80	280						11	1446.5 <sup>6</sup>
	634	Intel Graphics Media Accelerator (GMA) HD Graphics	Arrandale	12	500						10	1420 <sup>54</sup>
	592	NVIDIA Quadro NVS 140M		16	400		700	64	GDDR3, GDDR2		10	1410
	598	NVIDIA GeForce G 102M	G9x	16	450				DDR2, DDR3		10.0	1409
	629	ATI Radeon HD 4270	RV6xx	40	590						10.1	1402
	630	ATI Radeon HD 4250	RV6xx	40	500						10.1	1372 <sup>5</sup>
	641	NVIDIA GeForce 8400M GS		16	400		600	64	GDDR2 / GDDR3		10	1343 <sup>5</sup>
	496	Intel HD Graphics (Braswell)	Intel Gen8	16	320	700		64/128			11.2	1311
	558	NVIDIA Quadro FX Go 1400		12	5 330		500	256			9c	1306
	580	ATI Mobility Radeon X800		12	6 400		350	128 / 256	GDDR2, GDDR3		9b	1300
	656	NVIDIA GeForce 8200M G		8	400						10	1250
	643	ATI Mobility Radeon HD 2400	RV6xx	40	450		500	64	DDR2, GDDR3		10	1215
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX		3DMark06
	582	ATI Mobility FireGL V5200		12	425		475	128	DDR/DDR2/GDDR3	9c	1203.5 <sup>2</sup>	
	640	NVIDIA GeForce 9100M G		8	450					10	1200	
	652	ATI Radeon HD 3100	RV6xx	40	350					10	1164 <sup>3</sup>	
	600	NVIDIA GeForce 9400M (G) / ION (LE)		16	450					10.0	1157 <sup>5</sup>	
	584	NVIDIA GeForce Go 6600		8	4 375		300	128	GDDR2	9c	1150	
	655	NVIDIA Quadro NVS 130M		8			700	64	GDDR3, GDDR2	10	1115	
	638	ATI Mobility Radeon X1350		4	2 470		350	128	DDR1/DDR2/GDDR3	9c	1088	
	585	ATI Mobility Radeon X1450		4	2 550		450	128	DDR1/DDR2/DDR3	9c	1085 <sup>2</sup>	
	639	ATI Mobility Radeon X1400		4	2 445		250	128	DDR1/DDR2/GDDR3	9c	1064 <sup>2</sup>	
	645*	ATI Radeon HD 4225	RV6xx	40	380					10.1	1053 <sup>8</sup>	
	591	NVIDIA GeForce 8400M GT		16	450		600	128	GDDR3 / GDDR2	10	1033	
	642	NVIDIA Quadro NVS 135M		16	400		600	64	GDDR3, GDDR2	10	965	
	653	NVIDIA GeForce 8400M G		8	400		600	64	GDDR3 / GDDR2	10	912	
	673	ATI Mobility Radeon X2300		4	2 480		400	128	DDR1/DDR2/GDDR3	9c	892 <sup>2</sup>	
	644	ATI Radeon HD 3200	RV6xx	40	500					10	891 <sup>7</sup>	
	583	ATI Mobility Radeon 9800		8	4 350		300	256	DDR2 / DDR3	9	860	
	674	ATI Mobility Radeon HD 2300	RV5xx	4	2 480		400	128	DDR1/DDR2/GDDR3	9c	834.5 <sup>2</sup>	
	661	NVIDIA GeForce Go 7400		4	3 450		450	64 / 32	DDR3	9c	801.5 <sup>4</sup>	
	586	ATI Mobility Radeon X700		8	6 350		350	128	DDR/DDR2	9	735 <sup>2</sup>	
	677	ATI Mobility Radeon X1300		4	2 350		250	128	DDR1/DDR2/GDDR3	9c	725	
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX		3DMark06

			ikseli	ierzychów	rdzenia	st / Turbo	pr pamięci	istralia	ory Type	ctX	
664	NVIDIA GeForce Go 7300		4		350		700	64	DDR-3	9c	712.5 <sup>4</sup>
662	NVIDIA Quadro FX 350M		4	3	450		350	64	DDR-3	9c	680
682	NVIDIA GeForce Go 7200		4	3	450		350	32	DDR-3	9c	674
663	NVIDIA Quadro NVS 120M		4	3	450		700	64	DDR-3	9c	660
658	Intel Graphics Media Accelerator (GMA) 4500MHD		10		533			0	mit Hauptspeicher geteilt (shared) bis 384 MB	10	623 <sup>28</sup>
659	Intel Graphics Media Accelerator (GMA) 4500M		10		400				mit Hauptspeicher geteilt (shared) bis 384 MB	10	612.5 <sup>4</sup>
669	NVIDIA Quadro NVS 110M		4	3	300		600	64	DDR-3	9c	600
692	ATI Radeon Xpress 1250		4	0	400					9	445
694	Intel Graphics Media Accelerator (GMA) X3100		8		500			0	mit Hauptspeicher geteilt (shared), max 384 MB	10	430.5 <sup>8</sup>
675	ATI Mobility Radeon 9700		4	2	450		275	128 / 64	DDR	9	424
701*	Intel Graphics Media Accelerator (GMA) 3650	PowerVR SGX5	4	0	640					9.1	422
691	ATI Radeon Xpress X1250		4	0	350					9	387.5 <sup>2</sup>
690	ATI Radeon Xpress X1270		4	0	400					9	327.5 <sup>2</sup>
703	NVIDIA GeForce 7150M		2	1	425				shared Memory	9c	315 <sup>3</sup>
709*	Intel Graphics Media Accelerator (GMA) 3600	PowerVR SGX5	4	0	400					9.1	280.5 <sup>2</sup>
670	ATI Mobility Radeon X600		4	2	400		250	128	DDR/DDR2	9	280
693	ATI Radeon Xpress X1200		4	0	350		0			9	278 <sup>3</sup>
707	NVIDIA GeForce 7000M		2	1	350		0	0	shared Memory	9c	274 <sup>2</sup>
704	ATI Radeon Xpress 1150		2	2	400		0	0	shared Memory	9b	219
734	ATI Radeon Xpress 200M		4	2	350		0	0		9b	202
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
684	ATI Mobility Radeon X300		4		350		250	64	DDR/DDR2	9	200
705	NVIDIA GeForce Go 6150		2	1	425		0	0	shared Memory	9c	200
706	NVIDIA GeForce Go 6100		2	1	425		0	0	shared Memory	9c	173 <sup>2</sup>
736	SIS Mirage 3+ 672MX		2	1	250					9	145 <sup>2</sup>
719	Intel Graphics Media Accelerator (GMA) 3150		2	0	200					9c	144 <sup>35</sup>
748*	Intel Graphics Media Accelerator (GMA) 600	PowerVR SGX5	4		400					9.0c	119
765	VIA Chrome9 HC		2	1	250				onboard	9	115 <sup>3</sup>
720	Intel Graphics Media Accelerator (GMA) 950		4	0	250		0	0	mit Hauptspeicher geteilt (shared)	9c	107 <sup>3</sup>

	735	ATI Radeon Xpress 1100		4	2	300		0		shared Memory	9b	97 <sup>2</sup>
	737	SIS Mirage 3 671MX		2	1	250					8.1	68
	750	Intel Graphics Media Accelerator (GMA) 500	PowerVR SGX5	4		200					10.1	68
	733	Intel Graphics Media Accelerator (GMA) 900		4	0	400	0	0		mit Hauptspeicher geteilt (shared)	9c	57 <sup>2</sup>
	766	Intel Extreme Graphics 2				133		0		mit Hauptspeicher geteilt (shared)	8	0 <sup>2</sup>
	2	NVIDIA GeForce GTX 1080 SLI (Laptop)	Pascal	5120	1607	1733	10000	2x 256		GDDR5	12 (FL 12_1)	
	3	NVIDIA GeForce GTX 1070 SLI (Laptop)	Pascal	4096	1443	1645	8000	2x 256		GDDR5	12 (FL 12_1)	
	5	NVIDIA GeForce GTX 1080 (Laptop)	Pascal	2560	1566	1733	10000	256		GDDR5X	12_1	
	15	NVIDIA Quadro M5500	Maxwell	2048	1139	1140	6606	256		GDDR5	12 (FL 12_1)	
	19*	NVIDIA GeForce GTX 1060 (Laptop)	Pascal	1280	1506	1708	8000	192		GDDR5	12_1	
	24*	AMD Radeon RX 470 (Laptop)	Polaris	2048	926	1206	7000	256		GDDR5	12	
	25	NVIDIA GeForce GTX 880M SLI	Kepler	3072	954		5000	2x 256		GDDR5	12 (FL 11_0)	

Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
	28*	AMD Radeon RX 490M	Polaris	0					GDDR5	12	
	29	NVIDIA GeForce GTX 965M SLI	Maxwell	2048	924	950	5000	2x 128	GDDR5	12 (FL 12_1)	
	30	AMD Radeon R9 M290X Crossfire	GCN	2560	850	900	4800	2x 256	GDDR5	12 (FL 11_1)	
	40*	NVIDIA GeForce GTX 1050 Ti (Notebook)	Pascal	768	1493	1620	7000	128	GDDR5	12_1	
	42*	NVIDIA Quadro M4000M	Maxwell	1280	975	1013	5012	256	GDDR5	12_1	
	43	NVIDIA GeForce GTX 860M SLI	Maxwell	1280	1029		5000	2x 128	GDDR5	12 (FL 11_0)	
	46	NVIDIA GeForce GTX 770M SLI	Kepler	1920	811		4000	2x 192	GDDR5	11	
	47	AMD Radeon R9 M395X	GCN 3	2048		909	5460	256	GDDR5	12 (FL 12_0)	
	48	AMD Radeon R9 M485X	GCN 3	2048			5000	256	GDDR5	12 (FL 12_0)	
	49*	AMD Radeon RX 480M	Polaris	1024					GDDR5	12	
	51*	AMD Radeon R9 M390X	GCN 3	2048		723	5000	256	GDDR5	12 (FL 12_0)	
	54	AMD Radeon R9 M395	GCN	1792	834		5460	256	GDDR5	12 (FL 12_0)	
	64	NVIDIA GeForce GTX 680MX	Kepler	1536	720		5000	256	GDDR5	11	
	69	AMD Radeon R9 M290X	GCN	1280	850	900	4800	256	GDDR5	12 (FL 11_1)	
	73*	NVIDIA GeForce GTX 1050	Pascal	640	1354	1493	7000	128	GDDR5	12_1	

(Notebook)											
 75	NVIDIA GeForce GTX 675M SLI	Fermi	768	620		3000	256	GDDR5		11	
 77*	AMD Radeon RX 460 Notebook (RX 460M)	Polaris	896		1180	6000	128	GDDR5		12	
 79	NVIDIA GeForce GTX 775M	Kepler	1344	719		3600	256	GDDR5		11	
 88*	AMD Radeon Pro 460	Polaris	1024	900		5000	128	GDDR5		12	
 102*	AMD Radeon R9 M470X	GCN 2	896	1100		6000	128	GDDR5		12 FL11_1	
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
 103*	AMD Radeon Pro 455	Polaris	768	850			5000	128	GDDR5	12	
 108*	AMD Radeon HD 7950M	GCN	1280	700			4000	256	GDDR5	11.1	
 118*	Intel Iris Pro Graphics P580	Intel Gen. 9 (Skylake)	72	350	1100			eDRAM + 64/128	eDRAM	12 (FL 12_1)	
 119	Intel Iris Pro Graphics 580	Intel Gen. 9 (Skylake)	72	350	1050			eDRAM + 64/128	eDRAM	12 (FL 12_1)	
 124*	AMD Radeon R9 M470	GCN 2	768				6000	128	GDDR5	12 FL11_1	
 125*	AMD Radeon R9 M385	GCN	0				6000	128	GDDR5	11.1	
 126*	AMD Radeon Pro 450	Polaris	640	780			5000	128	GDDR5	12	
 127*	AMD Radeon R9 M380	GCN	768	1000			6000	128	GDDR5	11.1	
 137*	AMD FirePro W5170M	GCN	640		925	4500	128	GDDR5		12 (FL 12_0)	
 148	AMD Radeon R9 M270	GCN	640	725			4500	128	GDDR5	12 (FL 11_1)	
 150	AMD Radeon HD 7870M	GCN	640	800			4000	128	GDDR5	11.1	
 163	NVIDIA GeForce 845M	Maxwell	384	1071	1150	2000 - 5000	64/128	DDR3/GDDR5		12 (FL 11_0)	
 165	AMD Radeon R9 M365X	GCN	640	900	925	4500	128	GDDR5		12	
 176	Intel Iris Pro Graphics 6200	Broadwell	48	300	1150			eDRAM + 64/128		12 (FL 11_1)	
 182*	NVIDIA GeForce 930MX	Maxwell	384				64	GDDR5/DDR3		12 (FL 11_0)	
 183*	AMD Radeon R7 M380	GCN	640	915			2000	128	DDR3	12 (FL 11_1)	
 185*	NVIDIA Quadro M600M	Maxwell	384	837	876	5012	128	GDDR5		12 (FL 11_0)	
 191	AMD Radeon HD 7770M	GCN	512	675			4000	128	GDDR5	11.1	
 193*	AMD Radeon R7 (Bristol Ridge)	GCN 1.2/2.0	512		900			64/128		12 (FL 12_0)	
 216*	AMD Radeon HD 8830M	GCN	640	575			2000	128	DDR3	11.1	













Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
223	AMD Radeon HD 7750M	GCN	512	575			4000	128	GDDR5	11.1	
255	Intel HD Graphics P530	Intel Gen. 9 (Skylake)	24	350		1050		64/128	DDR3/DDR4	12 (FL 12_1)	
259	AMD Radeon R5 (Stoney Ridge)	GCN 1.2/2.0	192			800		64		12 (FL 12_0)	
261	ATI Mobility Radeon HD 4860	Terascale 1	640	650			1000	128	GDDR5	10.1	
267*	AMD Radeon HD 6775G2	Terascale 2	880							11	
273*	AMD Radeon HD 8650M	GCN	384	650			4500	64	GDDR5	11.1	
291	Intel HD Graphics 5600	Broadwell	24	300		1050		64/128		12 (FL 11_1)	
298	AMD Radeon R6 M255DX	GCN	576	855 / 514					DDR3	12	
303*	AMD Radeon HD 8590M	GCN	384	620			4500	64	GDDR5	11.1	
304	NVIDIA GeForce GTS 260M	GT2xx	96	550			1800	128	GDDR3, GDDR5	10.1	
308	AMD Radeon HD 6830M	Terascale 2	800	575			900	128	DDR3, GDDR3	11	
310*	AMD Radeon HD 6760G2	Terascale 2	880							11	
315	ATI Mobility Radeon HD 5770	Terascale 2	400	650			800	128	GDDR5	11	
324*	NVIDIA GeForce GTS 150M	G9x	64	400			800	256	GDDR3	10.0	
337*	AMD Radeon R5 M320	GCN 2.0	320	855			2000	64	DDR3	12	
339*	AMD Radeon R5 M315	GCN	320	970			1800	64	DDR3	12	
341*	ATI Mobility Radeon HD 5750	Terascale 2	400	550			1600	128	DDR, GDDR3, GDDR5	11	
351*	AMD Radeon HD 6690G2	Terascale 2	880							11	
357*	AMD Radeon R5 (Carrizo)	GCN 1.2/2.0	256			800		64/128		12 (FL 12_0)	
366*	NVIDIA Quadro K510M	Kepler	192	846			2400	64	GDDR5	11	
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
369*	AMD Radeon HD 7590M	Terascale 2	480	600			3200	64		11	
376	AMD Radeon HD 7630M	Terascale 2	480	450			1800	128	DDR3	11	
379*	AMD Radeon HD 8510G		384	450		554				11	


















382*	NVIDIA Quadro K500M	Kepler	192	850	1800	64	DDR3 / GDDR5	11
383*	NVIDIA GeForce GT 625M	Fermi	96	625	1800	64	DDR3	11
399*	Intel HD Graphics 510	Intel Gen. 9 (Skylake)	12	300	950	64/128	DDR3/DDR4	12 (FL 12_1)
401	ATI Mobility Radeon HD 565v	Terascale 1	320	675	800	128	GDDR3, DDR3, DDR2	10.1
406*	AMD Radeon HD 6645G2	Terascale 2	560					11
412*	AMD Radeon HD 6620G + HD 7450M Dual Graphics	Terascale 2	560	400 / 700	1800			11
413*	AMD Radeon HD 6640G2	Terascale 2	560					11
421*	AMD Radeon HD 7530M	Terascale 2	400	450	1800	64	DDR3	11
427*	AMD Radeon HD 7490M	Terascale 2	160	800	3800	64	GDDR5	11
429*	Intel HD Graphics 505	Intel Gen. 9 (Apollo Lake)	18	300	750	64/128	DDR3L/LPDDR3/LPDDR4	12 (FL 12_1)
430*	AMD Radeon HD 7510M	Terascale 2	400	450	1600	64	DDR3	11
441	AMD Radeon R4 (Stoney Ridge)	GCN 1.2/2.0	192		600	64		12 (FL 12_0)
444*	Intel HD Graphics 500	Intel Gen. 9 (Apollo Lake)	12	300	700	64/128	DDR3L/LPDDR3/LPDDR4	12 (FL 12_1)
448	AMD Radeon R2 (Stoney Ridge)	GCN 1.2/2.0	128		600	64		12 (FL 12_0)
450*	Intel HD Graphics (Skylake)	Intel Gen. 9 (Skylake)	12	300	800	64/128	DDR3L/LPDDR3	12 (FL 12_1)
452*	AMD Radeon HD 6545G2	Terascale 2	480					11
457*	AMD Radeon HD 6515G2	Terascale 2	400					11





























Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
461*	AMD Radeon HD 8410G		192	450	600					11	
493	NVIDIA GeForce 705M	Fermi	48	775	1800		64	DDR3		11	
497	Intel HD Graphics 400 (Braswell)	Intel Gen8	12	320	640		64/128			11.2	
503	ATI Mobility FireGL V5725	RV6xx	120	680	800		128			10.1	
508*	AMD Radeon HD 8310G		128	424	554					11	
513	ATI Mobility Radeon X1800XT		16	8	550	650	256	GDDR3		9c	
524	AMD Radeon HD 7370M	Terascale 2	80	750	1600	64	DDR3			11	
528	AMD Radeon HD 8280	GCN	128	450						11.1	

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 531*	AMD Radeon HD 7430M	Terascale 2	160	600	1800	64	DDR3	11
 536*	AMD Radeon R6 (Mullins)	GCN 1.1	128	500		64		12 (FL 12_0)
 550	NVIDIA GeForce 405M	GT2xx	16	606	1600	64	GDDR3, DDR3	10.1
 559	ATI Mobility Radeon X800XT		16	6 480	550	256		9b
 560*	AMD Radeon HD 6430M	Terascale 2	160	480	800	64	DDR3	11
 568*	AMD Radeon HD 7350M	Terascale 2	80	500	1800	64	DDR3	11
 569*	AMD Radeon HD 6350M	Terascale 2	80	500	800-900	64	DDR3	11
 579	NVIDIA Quadro NVS 300M		8	5 450	500	128	GDDR3	9b
 587	ATI Mobility FireGL V5000		8	6 350	350	128	GDDR3	9
 589*	AMD Radeon HD 6330M	Terascale 2	80	500	800	64	DDR3	11
 594*	NVIDIA GeForce G 107M	G9x	16					10
 597*	NVIDIA GeForce 9500M GE		24			64	GDDR2, GDDR3	10.0

Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
 617	NVIDIA GeForce 9400M GeForceBoost		24					64		10	
 646*	ATI Radeon HD 4100	RV6xx	40		350					10.1	
 651*	ATI Mobility Radeon HD 3400	RV6xx	0								
 657	Intel Graphics Media Accelerator (GMA) 4700MHD		10		640			0	mit Hauptspeicher geteilt (shared) bis 384 MB	10	
 671	ATI Mobility FireGL V3200		4	2	400			128	DDR/DDR2	9	
 672	ATI Mobility FireGL V3100		4	2	350		200	128	DDR/DDR2	9	
 676	ATI Mobility FireGL T2e		4	2	450		260	128		9	
 678	NVIDIA GeForce4 4200 Go		4	2	200		200	128	DDR	8.1	
 679	ATI Mobility Radeon 9600		4	2	300		300	128 / 64	DDR	9	
 680	ATI Mobility FireGL T2		4	2	300		200	128		9	
 681	ATI Mobility Radeon 9550		4	2	210		183	64	DDR	9	
 683	NVIDIA GeForce Go 6400		4	3	400		350	64	DDR	9c	
 685	NVIDIA GeForce Go 6250		4	3	400		350	64	DDR	9c	
 686	NVIDIA GeForce Go 6200		4	3	300		300	64	DDR	9c	
 687	NVIDIA GeForce FX Go 5700		4	0	450		275	128	DDR	9	
 688	NVIDIA Quadro FX Go 1000		4	0				128		9	
 689	NVIDIA GeForce FX Go 5600 /		4	1	350		300	128	DDR	9	

5650											
 702*	NVIDIA GeForce 7190M		2	1					shared Memory	9c	
 710	ATI Mobility Radeon 9200		4	1	250		200	128	DDR	8.1	
 711	ATI Mobility FireGL 9000		4	1	250		200	128	DDR	8.1	
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
 712	NVIDIA GeForce FX Go 5200		4		300		300	128	DDR	9	
 713	ATI Mobility Radeon 9000		4	1	240		200	128	DDR	8.1	
 714	NVIDIA GeForce 4 488 Go		2	0	275		275	32	DDR	7	
 715	NVIDIA GeForce 4 460 Go		2	0	250		250	32	DDR	7	
 716	NVIDIA GeForce 4 440 Go		2	0	220		220	32	DDR	7	
 717	NVIDIA GeForce 4 420 Go		2	0	190		200	32	DDR	7	
 731	ATI Mobility Radeon 7500		2	0	280		200	64 / 128	DDR	7	
 732	ATI Mobility FireGL 7800		2	0	280		200	64 / 128	DDR	7	
 759*	NVIDIA GeForce 3 Go				250			32 / 64 / 128	DDR	7	
 760	NVIDIA GeForce 2 Go (200 / 100)		1	0	166		143	32 / 64	DDR	7	
 761	ATI Mobility Radeon 9100 IGP		2	1	400					8.1	
 762	ATI Mobility Radeon 9000 IGP		2	1	300		0	0		8.1	
 763	ATI Mobility Radeon M7		2	1	230		183	64	DDR	7	
 764	ATI Mobility Radeon M6		0	2	166		166	32	DDR	7	
 767	ATI Mobility Radeon 7000 IGP		0	2				0		7	
 768	ATI Radeon IGP 340M		0	2	180			0		7	
 769	ATI Radeon IGP 320M		0	2	160			0		7	
 770	VIA S3G UniChrome Pro II				200			0		7	
 771	VIA S3G UniChrome Pro		1	2				0		7	
 772	VIA Castle Rock		1	2							
Lp.	Pełna nazwa	Architektura	JC pikseli	JC wierzchołków	Zegar rdzenia	Boost / Turbo	Zegar pamięci	Magistrala	Memory Type	DirectX	3DMark06
 773	SIS Mirage 2 M760		4		200					8.1	
 774	SIS Mirage M661FX				133					7	
 775	VIA S3 Graphics ProSavage8		0	0	121						
 776	ATI Mobility 128 M3		0	0	105		105	64	DDR	6	
 777*	Silicon Motion SM502										