

**WYNIK WYDAJNOŚCI – PASSMARK VIDEOCARD BENCHMARK**Dane ze strony: https://www.videocardbenchmark.net/GPU_mega_page.html

Aktualne na dzień 16 sierpnia 2021

Nazwa karty graficznej	Passmark G3D Mark	Passmark G2D Mark
GeForce RTX 3080 Ti	26,733	1,039
Radeon RX 6900 XT	26,688	1,145
GeForce RTX 3090	25,838	988
GeForce RTX 3080	24,423	1,003
RTX A5000	24,157	887
Radeon RX 6800 XT	23,387	1,092
RTX A6000	23,094	829
GeForce RTX 3070 Ti	22,539	984
GeForce RTX 3070	21,878	967
GeForce RTX 2080 Ti	21,702	944
Radeon RX 6800	20,693	1,043
RTX A4000	20,151	902
RTX A5000 Laptop GPU	20,142	809
Quadro RTX 6000	20,093	832
TITAN RTX	19,871	844
GeForce RTX 3060 Ti	19,707	937
GeForce RTX 2080 SUPER	19,506	940
Quadro RTX 8000	19,478	784
TITAN V	18,991	855
TITAN Xp	18,787	934
GeForce RTX 2080	18,652	926
Radeon RX 6700 XT	18,648	1,018



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TITAN Xp COLLECTORS EDITION	18,344	891
NVIDIA TITAN Xp	18,280	812
GeForce RTX 2070 SUPER	18,143	902
GeForce GTX 1080 Ti	18,060	932
Radeon PRO W6800	17,906	929
RTX A4000 Laptop GPU	17,839	918
Radeon Pro VII	17,405	759
Radeon VII	17,030	793
TITAN V CEO Edition	16,988	1,086
Radeon RX 5700 XT	16,835	954
Radeon RX 5700 XT 50th Anniversary	16,673	978
GeForce RTX 3060	16,639	939
GeForce RTX 2060 SUPER	16,460	887
Quadro P6000	16,449	813
Quadro RTX 5000	16,431	776
Tesla V100-SXM2-16GB	16,235	406
GeForce RTX 2070	16,107	843
GeForce RTX 3080 Laptop GPU	16,030	629
Radeon RX 6600 XT	15,989	1,019
Quadro GP100	15,549	834
Quadro RTX 4000	15,486	910
GeForce GTX 1080	15,135	885
GeForce RTX 2080 (Mobile)	15,107	812
Radeon Pro W5700	15,076	915
Quadro RTX 5000 (Mobile)	14,832	705



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Radeon Pro Vega II	14,738	827
Radeon RX 5700	14,715	926
GeForce RTX 2070 Super with Max-Q Design	14,680	723
Radeon Pro Vega 64X	14,630	948
Radeon RX Vega 64	14,626	808
RTX A3000 Laptop GPU	14,517	359
GeForce RTX 3070 Laptop GPU	14,405	622
GeForce GTX 1070 Ti	14,314	869
GeForce RTX 2080 Super with Max-Q Design	14,108	640
Radeon Pro WX 8200	14,039	759
Quadro RTX 5000 with Max-Q Design	13,952	632
Radeon Vega Frontier Edition	13,929	756
GeForce GTX 980 Ti	13,902	852
GeForce RTX 2060	13,878	752
Radeon RX 5600 XT	13,767	913
GeForce RTX 2080 with Max-Q Design	13,672	578
NVIDIA TITAN X	13,660	912
Radeon RX Vega 56	13,618	781
Radeon PRO W6600	13,591	931
Radeon Pro WX 9100	13,437	802
GeForce GTX 1070	13,404	848
Tesla T10	13,264	624
GeForce GTX TITAN X	13,076	820
Quadro RTX 4000 with Max-Q Design	12,994	568
Quadro RTX 4000 (Mobile)	12,895	581



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Quadro GV100	12,721	802
Radeon Pro V520 MxGPU	12,719	555
GeForce GTX 1660 SUPER	12,691	828
Quadro M6000 24GB	12,600	880
GeForce RTX 2070 (Mobile)	12,354	601
GeForce RTX 3060 Laptop GPU	12,235	540
GeForce RTX 2070 with Max-Q Design	12,219	526
Radeon Pro Vega 56	12,209	826
Radeon Pro 5700 XT	12,076	839
Quadro P4200 with Max-Q Design	11,869	583
Radeon Pro 5700	11,844	829
GeForce GTX 1660 Ti	11,809	715
Quadro P5200	11,808	716
Quadro P5000	11,777	685
GeForce GTX 1660	11,613	795
Quadro P4000	11,462	814
Radeon Pro Vega 64	11,456	708
Radeon Pro Vega 48	11,384	824
GeForce RTX 2060 (Mobile)	11,355	540
Quadro RTX 3000	11,294	527
GeForce GTX 980	11,277	814
Quadro M6000	11,213	756
GeForce GTX 1080 with Max-Q Design	11,206	719
Tesla T4	11,184	566
RTX A2000 Laptop GPU	10,945	621



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Quadro P5200 with Max-Q Design	10,905	568
Radeon RX 5600	10,879	917
Radeon Pro SSG	10,498	601
Radeon Pro 5600M	10,484	749
Radeon Instinct MI25 MxGPU	10,466	727
GeForce GTX 1070 (Mobile)	10,465	603
GeForce GTX 1070 with Max-Q Design	10,244	478
GeForce GTX 1660 Ti (Mobile)	10,176	507
Quadro P4200	10,125	642
Radeon R9 Fury X	10,059	873
GeForce GTX 1650 SUPER	9,934	760
GeForce GTX 1060	9,867	713
GeForce RTX 2060 with Max-Q Design	9,786	443
Radeon R9 Fury + Fury X	9,741	811
GeForce GTX 970	9,734	775
GeForce GTX 1060 3GB	9,681	765
Radeon R9 Fury	9,674	794
Quadro P2200	9,664	999
Radeon RX 590	9,619	806
GeForce RTX 3050 Ti Laptop GPU	9,534	399
Radeon R9 390X	9,528	845
Radeon Ryzen 9 4900HSS	9,461	417
Quadro M5000	9,432	687
GeForce RTX 3050 Laptop GPU	9,350	402
Radeon Pro W5500	9,261	890



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Quadro P3200 with Max-Q Design	9,237	580
GeForce GTX TITAN Black	9,194	623
GeForce GTX 780 Ti	9,173	622
Radeon Pro Duo	9,162	674
Radeon RX 5500 XT	9,154	822
GeForce GTX TITAN Z	9,133	782
Quadro P4000 with Max-Q Design	9,083	700
Radeon R9 390	8,955	798
Radeon RX 580	8,861	765
Radeon Ryzen 7 4800HS	8,842	426
Radeon RX 5500	8,796	887
Radeon R9 290X	8,775	781
GeForce GTX 1660 Ti with Max-Q Design	8,661	381
Radeon RX 480	8,644	778
Radeon RX590 GME	8,628	704
Quadro RTX 3000 with Max-Q Design	8,590	359
Radeon Ryzen 9 4900HS	8,572	378
GeForce GTX Titan	8,489	665
Radeon R9 290	8,444	779
Radeon R9 290X / 390X	8,389	699
Radeon R9 295X2	8,380	716
Quadro P3200	8,359	531
Radeon Pro 5500 XT	8,289	619
15FF	8,229	538
GeForce GTX 1060 (Mobile)	8,161	444



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Radeon R9 290 / 390	8,150	695
Quadro K6000	8,071	554
Radeon RX 470/570	8,018	720
GeForce GTX 780	7,994	595
Tesla M40	7,950	302
Radeon Ryzen 5 4600HS	7,942	447
GeForce GTX 1060 with Max-Q Design	7,918	432
Quadro M5500	7,915	698
Radeon RX 580 2048SP	7,852	660
Radeon RX 580X	7,798	885
Radeon Pro WX 7100	7,759	791
GeForce GTX 1650	7,757	597
Radeon Pro 580	7,753	943
FirePro W9100	7,750	884
Tesla M60	7,692	569
Radeon RX 5300	7,644	788
Tesla M6	7,621	568
Radeon RX 5600M	7,563	571
Radeon Pro 580X	7,540	698
Radeon Pro 5300	7,520	653
GeForce GTX 1650 Ti	7,468	396
Ryzen 7 5800HS with Radeon Graphics	7,391	522
T1200 Laptop GPU	7,365	238
T1000	7,342	646
Radeon RX 6800M	7,301	639



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GeForce GTX 980M	7,294	527
FirePro W8100	7,234	732
Tesla P100-PCIE-16GB	7,225	572
RadeonT RX 5300	7,216	784
T600 Laptop GPU	7,096	280
Quadro T2000	7,067	475
T600	7,036	725
Quadro P2000	7,028	697
Ryzen 7 4800HS with Radeon Graphics	6,999	355
Ryzen 9 5900HX with Radeon Graphics	6,973	694
GeForce GTX 1650 (Mobile)	6,969	384
Quadro T2000 with Max-Q Design	6,929	444
Quadro M5000M	6,881	514
Radeon RX Vega M GH	6,756	842
Radeon Ryzen 7 4800H	6,714	457
GeForce GTX 970XM FORCE	6,707	725
GeForce GTX 1060 5GB	6,697	610
Quadro M4000M	6,680	451
Radeon R9 285	6,680	597
Radeon Pro 5500M	6,611	691
Quadro M4000	6,599	667
Quadro T1000	6,478	442
Quadro T1000 with Max-Q Design	6,474	437
Quadro P3000	6,352	473
Radeon Pro 570	6,337	697



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GeForce GTX 1050 Ti	6,328	646
FirePro S7150	6,276	866
Radeon R9 280X	6,248	677
Radeon R9 380	6,229	664
GeForce GTX 1650 Ti with Max-Q Design	6,225	338
Radeon R9 380X	6,086	666
Radeon Pro WX Vega M GL	6,049	777
FirePro W9000	6,046	668
GeForce GTX 960	6,039	657
GRID P100-16Q	5,945	757
Radeon Pro Vega 20	5,942	605
Quadro K5200	5,920	532
GeForce GTX 1050 Ti (Mobile)	5,919	323
GeForce GTX 970M	5,894	407
GeForce GTX 770	5,868	552
GeForce GTX 1650 with Max-Q Design	5,836	316
Radeon Pro WX 7130	5,722	695
Quadro M3000M	5,678	460
Radeon Pro 5300M	5,674	636
GeForce GTX 690	5,625	456
Radeon R9 280	5,605	656
GeForce GTX 1050 Ti with Max-Q Design	5,580	360
Radeon HD 7990	5,566	766
Radeon R9 285 / 380	5,550	655
GRID M60-8A	5,523	380



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Radeon Pro WX 5100	5,522	818
GeForce GTX 680	5,496	509
GeForce GTX 760 Ti OEM	5,427	694
GeForce GTX 950	5,409	622
GeForce GTX 670	5,347	517
Radeon HD 7970 / R9 280X	5,248	730
FirePro S10000	5,235	525
Radeon HD 8990	5,214	658
GeForce GTX 1050	5,178	478
Q12U-1	5,164	600
Radeon R9 M295X	5,150	832
GeForce GTX 760 Ti	5,131	541
FirePro S9000	5,059	561
P106-100	5,023	369
Radeon R9 M395	5,023	717
FirePro W7100	4,960	615
EIZO Quadro MED-XN51LP	4,955	812
Barco MXRT 7600	4,944	442
Radeon R9 270X	4,895	601
Quadro P2000 with Max-Q Design	4,874	559
Radeon R9 M485X	4,842	686
GRID RTX6000P-6Q	4,777	141
Radeon R9 M395X	4,775	762
GeForce GTX 760	4,774	515
Radeon HD 7950 / R9 280	4,765	691



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Radeon Sky 500	4,736	551
GRID P40-24Q	4,728	653
Radeon R9 370	4,722	781
Radeon Pro Vega 16	4,683	672
Radeon HD 7870	4,670	586
B8DKMDAP	4,557	534
Radeon Pro 465	4,538	562
GeForce GTX 580	4,480	426
Radeon HD 7870 XT	4,470	661
Quadro P1000	4,469	648
Radeon R7 370	4,465	580
GeForce GTX 1050 (Mobile)	4,462	292
GRID M60-1B	4,457	483
P104-100	4,450	114
Citrix Indirect Display Adapter	4,447	700
GRID P6-4Q	4,429	586
Quadro M2200	4,414	428
GeForce GTX 660 Ti	4,369	453
Radeon R9 M390X	4,357	704
FirePro W7000	4,340	585
FirePro W7000 Adapter	4,340	692
Quadro K4200	4,332	510
Barco MXRT 7500	4,319	762
GRID M60-2Q	4,316	339
Radeon R9 270	4,290	589



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GRID P40-2Q	4,288	633
GRID T4-8Q	4,284	89
GRID RTX6000P-4Q	4,283	76
GeForce GTX 680MX	4,271	730
Radeon R9 270 / R7 370	4,260	645
GRID M60-1Q	4,251	211
GeForce GTX 775M	4,222	808
FirePro S7000	4,166	615
GRID V100D-8Q	4,156	518
Radeon RX 560X	4,124	537
Radeon RX 460	4,089	564
GeForce GTX 480	4,068	430
GeForce GTX 1050 with Max-Q Design	4,050	298
GRID GTX P40-6	4,044	249
Radeon HD 7800-serie	4,029	708
GeForce GTX 965M	4,017	353
GeForce GTX 880M	4,008	324
GRID P6-2Q	4,001	590
GeForce GTX 660	3,978	460
GRID RTX8000-4Q	3,961	81
Quadro M2000	3,958	564
GeForce GTX 750 Ti	3,932	487
Quadro K5000	3,932	446
Radeon RX 5500M	3,927	403
FirePro S9050	3,912	10



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T500	3,907	298
GRID M60-8Q	3,884	618
Quadro K2200M	3,883	440
Radeon HD 8970M	3,876	807
GeForce GTX 570	3,870	446
FirePro W7170M	3,849	438
GRID RTX8000P-2Q	3,843	84
GRID P100-8Q	3,841	481
GRID M60-4Q	3,831	278
Radeon Pro WX 4100	3,794	721
Radeon HD 7850	3,764	539
GeForce MX450	3,728	286
Radeon Pro 560X	3,678	711
Quadro P620	3,670	570
GeForce GTX 780M	3,648	376
Radeon RX 560	3,628	504
Radeon HD 7970M	3,619	531
Quadro M2000M	3,580	346
GeForce GTX 680M KY Bullet Edition	3,569	581
GRID M6-8Q	3,568	556
Quadro K2200	3,535	522
Tesla C2050	3,515	493
Quadro 7000	3,505	397
Tesla M10	3,490	522
Quadro M1200	3,478	320



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Radeon Pro 560	3,475	724
GeForce GTX 960M	3,465	243
Radeon RX Vega M GL	3,456	526
FirePro W8000	3,454	613
Radeon Pro 460	3,453	679
Tesla C2050 / C2070	3,428	568
GeForce GTX 870M	3,427	301
GeForce GTX 750	3,407	473
GRID T4-4Q	3,406	85
Radeon R9 M470X	3,400	552
GeForce GTX 650 Ti BOOST	3,371	456
Radeon HD8970M	3,369	663
Radeon E8870PCIe	3,368	708
GeForce GTX 590	3,366	514
Radeon RX 5300M	3,357	321
Quadro P600	3,356	478
GRID P40-2B	3,354	633
GRID M10-1Q	3,351	556
Radeon R9 M290X	3,320	452
Quadro K5100M	3,315	461
Radeon Ryzen 5 4600H	3,313	540
GeForce 770M	3,246	500
GRID M10-4Q	3,224	486
GeForce GTX 470	3,204	418
GRID K520	3,177	163



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RadeonT RX 5500M	3,166	336
FirePro V7000	3,162	668
Radeon Pro 555	3,141	659
Radeon R7 260X	3,135	503
Tesla C2075	3,118	589
Radeon Pro 455	3,113	705
Tesla C2070	3,101	494
Intel G35 Express	3,090	384
Radeon HD 7790	3,090	459
GeForce GTX 560 Ti	3,084	413
GeForce GTX 860M	3,073	228
Radeon R7 360	3,073	469
Radeon R9 360	3,032	460
Radeon R9 M380	3,031	642
Radeon R9 260	3,018	643
GeForce GTX 680M	3,016	343
Quadro M1000M	3,005	330
FirePro W5000	2,971	575
Quadro K5000M	2,957	409
GRID K260Q	2,941	644
Radeon HD 6990	2,933	563
Ryzen 5 5600G with Radeon Graphics	2,925	956
GeForce MX350	2,893	242
Radeon R7 260	2,892	559
Quadro K1200	2,891	567



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Ryzen 7 PRO 4700G with Radeon Graphics	2,880	712
Intel Iris Xe	2,874	344
Radeon HD 6970	2,869	433
Radeon Pro V340 MxGPU	2,853	118
FirePro W5100	2,835	494
Radeon Pro W5500M	2,822	791
FirePro 3D V9800	2,812	556
Quadro M620	2,801	444
GeForce GTX 770M	2,794	325
GRID K2	2,774	416
Radeon RX 550	2,756	487
FirePro W4300	2,734	762
GeForce GTX 560	2,734	408
FirePro V9800	2,727	655
Radeon Pro 450	2,723	619
Ryzen 9 4900H with Radeon Graphics	2,714	691
GRID T4-1Q	2,703	84
Barco MXRT 5500	2,702	510
Quadro K4000	2,700	423
Intel UHD P630	2,692	322
Radeon HD 6950	2,682	423
GeForce GTX 465	2,680	447
Ryzen 7 Pro 4750G with Radeon Graphics	2,678	701
Quadro 6000	2,664	416
Radeon Ryzen 7 4700GE	2,662	787



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FirePro M6100 FireGL V	2,656	519
GRID M10-2Q	2,654	75
FirePro R5000	2,647	625
Radeon Pro WX 3100	2,638	499
MONSTER GeForce GTX 675M	2,637	686
Radeon Ryzen 7 PRO 4750G	2,635	703
GeForce GTX 950M	2,624	218
GeForce MX330	2,611	233
GeForce GT 1030	2,607	451
GRID M10-8Q	2,606	557
Ryzen 7 5800U with Radeon Graphics	2,601	760
GeForce GTX 850M	2,598	222
Ryzen 7 5800H with Radeon Graphics	2,595	823
Quadro K4100M	2,584	349
Ryzen 7 PRO 5850U with Radeon Graphics	2,583	788
GRID K240Q	2,578	256
Radeon Pro	2,563	789
GeForce MX250	2,553	254
Ryzen 7 PRO 4750GE with Radeon Graphics	2,550	683
GeForce GTX 650 Ti	2,545	401
GeForce GTX 950A	2,539	325
Radeon HD 6850 X2	2,534	373
Radeon Pro WX 3200	2,534	483
Ryzen 9 5980HS with Radeon Graphics	2,534	830
FireStream 9370	2,528	763



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N18E-Q1	2,525	547
Ryzen 7 4700GE with Radeon Graphics	2,496	761
Radeon Ryzen 5 PRO 4650G	2,454	715
Radeon Ryzen 5 4600G	2,450	668
FirePro 3D V8800	2,438	632
GRID M10-2B	2,417	340
Ryzen 9 5900HS with Radeon Graphics	2,413	566
GeForce GTX 960A	2,411	631
Radeon RX Vega 11 PRD	2,402	601
Ryzen 3 4300GE with Radeon Graphics	2,402	687
Ryzen 5 Pro 4650G with Radeon Graphics	2,395	675
GeForce GTX 580M	2,373	455
GRID K280Q	2,363	546
GeForce GTX 485M	2,360	479
GeForce MX150	2,351	220
Radeon Ryzen 7 Microsoft Surface Edition	2,349	588
Ryzen 7 4800U with Radeon Graphics	2,344	570
Ryzen 7 Extreme Edition	2,339	566
P106-090	2,327	99
GRID M10-1B	2,310	417
Ryzen 5 PRO 4400G with Radeon Graphics	2,306	599
Radeon Ryzen 7 4800U	2,304	616
FirePro V7900	2,297	480
GeForce GTX 675MX	2,296	403
Quadro K3100M	2,286	334



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GeForce GTX 460	2,276	387
Radeon HD 6970M	2,270	656
Radeon R7 250X	2,269	637
Radeon Ryzen 7 4700G	2,269	695
Quadro K620	2,268	480
FirePro V8800	2,267	375
Radeon HD 8950	2,267	423
Radeon HD 5870	2,254	392
Radeon Ryzen 3 PRO 4350G	2,235	675
Ryzen 5 PRO 5650U with Radeon Graphics	2,232	766
Radeon R9 M385	2,230	214
GRID P100-1B	2,223	544
Radeon HD 5970	2,220	343
Ryzen 3 PRO 4350GE with Radeon Graphics	2,210	700
Radeon HD 6870	2,208	399
Radeon RX 550X	2,204	489
Radeon Ryzen 3 4300GE	2,190	678
Ryzen 3 Pro 4350G with Radeon Graphics	2,190	663
Ryzen 7 4700G with Radeon Graphics	2,187	671
GeForce GTX 745	2,186	465
RadeonT R7 450	2,185	930
Radeon HD 7770	2,182	462
Radeon Ryzen Embedded V2718	2,176	551
Intel Iris Pro P580	2,169	573
Quadro P520	2,160	259



**WYNIK WYDAJNOŚCI – PASSMARK VIDEOCARD BENCHMARK**Dane ze strony: https://www.videocardbenchmark.net/GPU_mega_page.html

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Quadro M600M	2,142	563
Radeon RX Vega 11	2,139	536
Ryzen 7 4800H with Radeon Graphics	2,113	585
Radeon TM R9 A360	2,105	718
FirePro M5100	2,103	800
FirePro M6100	2,094	419
GeForce GTX 460 v2	2,091	410
Radeon Ryzen 7 PRO 4750GE	2,090	653
GeForce GTX 560 SE	2,089	484
GRID M6-1Q	2,069	423
Ryzen 7 5700G with Radeon Graphics	2,064	793
Ryzen 5 4600G with Radeon Graphics	2,062	679
Quadro 5000M	2,060	426
Radeon Ryzen 7 4700U	2,058	570
GeForce GTX 480M	2,051	536
Intel Iris Pro 580	2,036	383
Ryzen 7 4700U with Radeon Graphics	2,032	552
Quadro M520	2,031	259
FirePro V7800	2,030	384
Ryzen 7 PRO 4750U with Radeon Graphics	2,028	548
Radeon R9 M470	2,023	445
Radeon Ryzen 5 Microsoft Surface Edition	2,017	502
Ryzen 5 PRO 4500U with Radeon Graphics	2,008	564
GeForce GT 645	2,006	443
Ryzen 5 PRO 4650GE with Radeon Graphics	2,005	654



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Quadro 5000	2,002	368
Radeon Ryzen 7 PRO 4750U	1,997	564
Quadro K4000M	1,992	386
Radeon HD 6850	1,986	426
Quadro 5010M	1,983	362
Radeon R7 + R7 350 Dual	1,982	552
Radeon HD 5850	1,975	397
Radeon R7 450	1,967	567
GeForce 945M	1,965	275
Radeon R9 350	1,964	514
Radeon R7 + HD 7700 Dual	1,962	498
Radeon HD 7660D + HD 7700 Dual	1,958	495
GeForce GTX 460 SE	1,952	379
Ryzen 5 4600U with Radeon Graphics	1,951	577
GeForce GTX 470M	1,950	523
GeForce GTX 765M	1,940	277
GeForce GTX 670MX	1,938	341
Ryzen 5 4600H with Radeon Graphics	1,937	573
Radeon R9 M385X	1,929	285
Radeon RX 570X	1,923	750
GeForce MX130	1,919	193
Radeon HD 7560D + 7700 Dual	1,919	518
GeForce MX230	1,912	220
Intel UHD P750	1,906	657
Matrox C680 PCIe x16	1,904	700



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Ryzen 3 4300G with Radeon Graphics	1,903	650
Radeon HD 7700-serie	1,899	533
Radeon HD 8670D + HD 7700 Dual	1,892	446
GeForce GTX 645	1,888	426
GeForce GTX 675M	1,883	345
Intel Iris Plus	1,868	316
FirePro 3D V7800	1,867	562
GeForce 945A	1,852	716
GRID T4-2Q	1,850	85
GeForce GTX 570M	1,845	323
Radeon RX 540	1,844	433
Radeon Vega 11	1,841	515
FirePro M5100 FireGL V	1,839	867
GRID M60-0B	1,838	596
Radeon HD 8570D + HD 7700 Dual	1,835	466
Radeon R9 M375X	1,835	403
MxGPU	1,826	479
FirePro M6000	1,820	776
RadeonT 540X	1,819	434
Ryzen 5 4500U with Radeon Graphics	1,818	540
Radeon Ryzen 5 4600U	1,814	520
Matrox C900 PCIe x16	1,812	761
RadeonT RX 560X	1,810	676
GeForce GTX 555	1,807	485
GeForce GTX 670M	1,803	337



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Radeon Ryzen 5 4500U	1,803	555
Radeon R9 M275X	1,802	345
Radeon HD 8870M / R9 M270X / M370X	1,800	679
Ryzen 3 PRO 4200G with Radeon Graphics	1,799	705
Radeon R9 M360	1,796	484
Intel Iris 650	1,795	764
Radeon Ryzen 5 PRO 4650U	1,795	554
Radeon HD 8670D + 7700 Dual	1,789	572
Radeon Pro WX 4150	1,785	373
Ryzen 3 PRO 4200GE with Radeon Graphics	1,784	587
Radeon RX Vega 11 Processor	1,782	488
Intel Iris Plus 655	1,781	373
Radeon HD 6900M	1,762	328
GeForce GTX 650	1,761	339
Radeon HD 5830	1,759	363
FirePro W600	1,752	631
Intel Iris Plus 645	1,751	404
Radeon Pro WX 2100	1,751	417
Intel UHD	1,749	276
Radeon Ryzen 5 PRO 4650GE	1,737	640
Radeon RX Vega 10	1,733	390
Ryzen 3 5400U with Radeon Graphics	1,719	662
GeForce GTX 760M	1,704	250
Radeon Vega 8	1,701	451
Intel UHD 750	1,695	320



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Radeon Pro WX 4130	1,693	375
Ryzen 5 PRO 4650U with Radeon Graphics	1,690	525
Radeon RX Vega11	1,689	436
Firepro W5170M	1,673	441
Radeon HD 7750	1,672	380
Radeon R7 M380	1,669	534
Radeon Vega 9	1,662	441
FirePro M4000 Mobility Pro	1,654	483
Radeon HD HD7850M	1,652	686
Quadro K3000M	1,648	350
Ryzen 5 5600U with Radeon Graphics	1,641	629
Radeon HD 8870M	1,638	629
Quadro P400	1,636	441
Quadro K2000D	1,626	427
FirePro M6000 Mobility Pro	1,623	333
Ryzen 7 2700U with Radeon Vega	1,617	442
GeForce GT 755M	1,606	306
Intel Iris Plus 650	1,605	383
Seria Radeon HD 7700	1,604	201
Radeon Ryzen 3 4300U	1,600	596
Radeon R7 M465X	1,598	472
FirePro W6150M	1,586	313
Radeon RX Vega 8	1,586	379
FirePro M4000	1,584	400
Radeon HD 6790	1,581	354



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Intel UHD 730	1,578	294
Radeon E8860	1,577	679
Radeon R9 M275X / M375	1,575	467
Quadro P500	1,574	274
Quadro K2000	1,573	377
Radeon Vega 10	1,563	397
GeForce GTX 285	1,561	190
GeForce GTX 550 Ti	1,561	360
Radeon HD 7560D + HD 6670 Dual	1,555	652
Embedded Radeon E9173	1,546	309
Radeon HD 8470D + HD 7500 Dual	1,545	465
Ryzen 3 PRO 4300U with Radeon Graphics	1,543	539
Intel Iris Pro P6300	1,540	565
FirePro V8700	1,539	527
Ryzen 3 PRO 4450U with Radeon Graphics	1,538	562
FirePro W4100	1,533	533
Radeon HD 4890	1,531	122
GeForce 940MX	1,526	171
GeForce GT 740	1,526	329
Radeon HD 7870M	1,507	556
Ryzen 5 2500U with Radeon Vega	1,503	388
Radeon HD 6670 + 7660D Dual	1,492	483
GeForce MX110	1,487	199
Radeon HD 7660D + HD 6670 Dual	1,485	515
Quadro 4000	1,483	361



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Radeon R9 M365X	1,482	446
Radeon Vega 10 Mobile	1,471	332
GeForce GTX 275	1,465	123
Intel Iris Pro Graphics 6200	1,454	584
Radeon Vega 8 Mobile	1,452	352
Radeon R7 A10-7870K	1,443	280
Ryzen 5 PRO 4400GE with Radeon Graphics	1,442	563
Radeon HD 8470D + HD 6670 Dual	1,436	512
Radeon Ryzen 3 4300G	1,435	577
GeForce 845M	1,432	232
FirePro W5130M	1,428	346
Radeon HD 7560D + 7670 Dual	1,426	445
Radeon RX 640	1,422	252
Radeon R7 M370	1,418	676
GeForce GTX 660M	1,415	269
Radeon 550X	1,412	277
Radeon Pro WX 4170	1,409	427
Radeon 540X	1,383	263
Intel UHD 630	1,380	305
Radeon HD 7560D + HD 7670 Dual	1,380	463
Radeon R7 PRO A12-8870	1,376	541
Radeon HD 7850M	1,373	566
Radeon HD 4870	1,365	96
FirePro M40003	1,364	652
RadeonT RX 640	1,363	281



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Quadro K2100M	1,362	273
Radeon HD 8670D + 6670 Dual	1,361	568
Radeon R9 M370X	1,354	336
Ryzen 3 4300U with Radeon Graphics	1,354	493
GeForce GT 750M	1,347	244
Radeon HD 5770	1,347	324
Radeon HD 7560D + HD 7700 Dual	1,347	497
FireStream 9270	1,341	473
Intel Iris 550	1,330	312
GeForce 930MX	1,327	193
GeForce GTS 450	1,324	298
Radeon HD 8670D + HD 7600 Dual	1,318	472
Intel Iris Plus 640	1,316	337
Radeon Ryzen 3 PRO 4350GE	1,316	608
FirePro M5950	1,314	574
Intel HD P530	1,311	260
Radeon R7 PRO A8-8670E	1,310	442
Radeon HD 4870 X2	1,309	565
Radeon HD 8790M	1,306	751
Radeon R7 M465	1,306	780
Tesla M2070-Q	1,306	444
TENSOR 1.0 Driver Intel HD 630	1,300	873
Quadro 4000M	1,299	280
Radeon 540	1,297	284
Radeon Ryzen Embedded V2748	1,296	503



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Radeon Vega 6	1,288	342
Radeon 630	1,281	211
Radeon R7 A370	1,281	742
FirePro V5900	1,279	357
FirePro 3D V8750	1,272	542
FirePro V5800	1,267	420
GeForce GPU	1,263	167
Radeon HD 8570D + HD 6670 Dual	1,261	537
Radeon HD 7560D + HD 7600 Dual	1,258	457
Quadro FX 5800	1,254	153
Radeon R9 255	1,251	341
Intel HD P630	1,250	352
Radeon HD 6770	1,248	310
Quadro 2000 D	1,239	594
Radeon HD 8570D + 6570 Dual	1,239	459
Radeon HD 7660D + 6670 Dual	1,238	524
Radeon R5 PRO A6-8570 R5, 8 COMPUTE CORES 2C+6G	1,238	275
Intel Iris 540	1,237	331
Radeon HD 7560D + HD 6570 Dual	1,237	528
Radeon R7 + R5 340 Dual	1,235	471
FirePro 3D V5800	1,232	339
Radeon R7 + R7 250 Dual	1,232	576
GeForce 930A	1,227	617
Radeon HD 8670D + HD 6670 Dual	1,222	541



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GeForce GTX 295	1,220	238
GeForce GTX 560M	1,217	245
Radeon HD 8790M / R9 M290X	1,211	694
GeForce GTX 260	1,210	120
Radeon HD 7730	1,208	400
Radeon R7 250	1,207	291
FirePro 3D V8700	1,206	515
Radeon Ryzen 3 PRO 4450U	1,206	486
N16P-GX	1,205	803
Radeon HD 7660D + 7540D Dual	1,204	547
Radeon R9 M270X	1,204	306
Radeon 625	1,201	193
GeForce GTX 460M	1,196	263
Radeon HD 7750M	1,191	693
Radeon R7 +8G	1,191	460
GeForce GT 640	1,185	281
GeForce 840A	1,180	266
GeForce GT 650M	1,179	229
Radeon R7 430	1,167	438
FireStream 9250	1,165	465
Barco MXRT 5400	1,161	457
Intel Coffee Lake UHD	1,158	918
Quadro K620M	1,158	170
Radeon HD 5750	1,157	324
Intel HD 630	1,148	270



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GeForce 940A	1,145	348
GeForce GT 745A	1,144	748
Radeon HD 8850M / R9 M265X	1,140	741
Radeon HD 4850 X2	1,132	542
Radeon HD 7560D + 6670 Dual	1,131	501
Radeon R7 + R7 200 Dual	1,129	310
Radeon R7 PRO A12-8870E	1,127	367
Radeon HD 8650G + 7700M Dual	1,126	399
Radeon HD 7660D + 7500 Dual	1,121	500
Radeon R7 PRO A12-9800	1,117	334
Radeon R7 A10-8850	1,115	544
Radeon R9 M275	1,115	569
Quadro M500M	1,113	195
Quadro K1100M	1,108	253
GeForce 940M	1,107	154
Firepro W4190M	1,104	206
Quadro 2100M	1,100	765
Radeon HD 7660D + 6570 Dual	1,100	551
Radeon R7 A10-9700E RADEON	1,100	403
Radeon R5 PRO A6-9500 2C+6G	1,096	353
NVS 810	1,094	390
GeForce GTX 850M - MODDED	1,092	819
GeForce 920MX	1,087	152
MIRRORV3	1,081	421
GeForce GT 545	1,080	346



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Barco MXRT 5450	1,079	478
Radeon Vega 3 Mobile	1,071	307
Radeon HD 8450G + 8600/8700M Dual	1,070	381
FirePro M4170	1,067	290
Radeon R7 M350	1,065	252
GeForce 840M	1,062	146
Radeon HD 7660D + 7670 Dual	1,062	494
Radeon HD 7520G + 7700M Dual	1,061	331
GeForce GTX 760A	1,060	476
Radeon 535	1,060	213
Firepro M4100	1,059	623
OPAL XT/GL	1,053	640
GeForce GTX 850A	1,050	551
Radeon HD 7670A	1,050	702
Radeon R7 PRO A8-9600	1,049	482
Radeon R7 A12-9730P RADEON	1,047	283
Radeon R7 M460	1,047	239
Intel UHD Graphics 620	1,045	247
Radeon R7 + R7 240 Dual	1,045	374
Radeon R7 Opteron X3421	1,044	361
GeForce GTX 280	1,043	225
Radeon HD 8570D + 6670 Dual	1,040	505
Quadro K2000M	1,037	266
Radeon R7 A12-9800E RADEON	1,037	273
Radeon HD 8570D + HD 8570 Dual	1,033	520



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Radeon R7 FX-9830P RADEON	1,032	248
Radeon HD 8600/8700M	1,030	554
Radeon R7 + R5 330 Dual	1,028	531
GeForce GT 745M	1,027	177
GeForce 930M	1,024	157
Radeon R9 A375	1,024	232
Intel Iris Pro 5200	1,023	409
Quadro 3000M	1,023	310
Radeon HD 8670D + R7 240 Dual	1,020	525
Radeon HD 6700M	1,017	523
Radeon R5 A6-9500E 2C+4G	1,015	438
Mobility Radeon HD 5870	1,012	179
RadeonT R5 430	1,012	579
Radeon HD 7690M XT	1,009	552
GeForce 830A	1,005	736
GeForce 830M	1,004	135
Radeon HD 7690M	1,003	576
Radeon HD 6750	1,002	299
Radeon HD 7660G + HD 7500/7600 7500/7600 Dual	1,002	347
Radeon R5 340	1,002	427
Radeon R5 PRO A6-9500 R5, 8 COMPUTE CORES 2C+6G	1,000	231
Radeon R7 A10-9700 RADEON	1,000	245
Radeon HD 7660G + HD 7500M/7600M Dual	999	323
Radeon HD 8570D + R7 200 Dual	999	401



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Radeon HD 7640G + HD 8750M Dual	997	293
FirePro M4150	995	224
Radeon R7 A12-9800 RADEON	993	298
Radeon R7 PRO A12-9800E	989	266
Intel HD 530	986	245
Radeon HD 7560D + 7570 Dual	985	434
Radeon HD 8690M	984	768
Radeon HD 7560D + 7560D Dual	983	420
FirePro V4900	981	351
Radeon R5 A10-9630P 4C+6G	977	270
Radeon HD 8670D + 8570 Dual	974	419
Radeon E6760	973	573
Radeon HD 8850M	973	502
Radeon R6 A10-9600P 4C+6G	970	336
Quadro FX 4800	968	133
Radeon R7 A10-7850K	968	287
Radeon HD 7660G N HD 7660G + HD 7700M N HD 7700M D	967	351
Quadro 2000D	965	320
Radeon HD 8570	965	294
Radeon HD 6770M	964	572
Radeon HD 8570D + R7 240 Dual	964	489
Radeon R7 M270DX	962	233
GeForce GT 645M	958	175
Radeon R7 A10 PRO-7850B	958	403



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Radeon R6 Opteron X3418	955	399
Radeon R7 A265	955	737
Radeon R7 PRO A10-8770	955	273
Radeon HD 4850	953	130
Radeon HD 8670D + R7 200 Dual	950	506
Radeon HD 8570 + HD 7660D Dual	949	467
Radeon R7 M260X	949	216
Radeon R7 A8-7500	948	336
Quadro CX	947	454
Radeon R9 M265X	947	204
Radeon HD 6670/7670	946	320
Radeon HD 7640G + 7690M Dual	946	325
Radeon R7 PRO A10-8850B	945	552
zxcvIntel HD 620	944	208
Quadro 2000	943	294
Radeon HD 7660D + R7 240 Dual	942	453
Radeon 530	937	183
Radeon HD 6750M	937	487
Radeon HD 7560D + HD 8570 Dual	936	425
Radeon R7 PRO A10-9700E	936	241
Radeon HD 7660G + 7730M Dual	931	392
Radeon R7 340	931	357
Radeon R7 240 + HD 8670D Dual	930	471
Radeon. HD 7730M	928	678
Intel Iris Pro 6100	925	548



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Radeon R5 430	922	321
Radeon R9 M280X	922	272
Intel HD Graphics 620	920	218
Radeon R7 A8-7670K	919	387
Radeon R7 240 + HD 8570D Dual	918	352
Radeon R7 M365X	916	296
GRID M10-0Q	914	613
Radeon R7 A8-8650	913	499
FirePro W4170M	912	226
GRID K220Q	912	539
GRID M6-0B	912	764
Radeon 6750M	911	570
Radeon R7 M445	910	189
Radeon HD 4770	906	172
Radeon 620	902	223
Barco MXRT 7400	901	682
GeForce GT 640M	901	182
Radeon HD 8550G + 7600M Dual	901	395
Radeon Vega 3	901	326
Barco MXRT 2600	900	649
Radeon R7 PRO A10-9700	899	233
Radeon R7 + R5 Dual	898	496
Radeon R7 A10-7860K	894	231
7900 MOD - Radeon HD 6550D	893	536
Radeon R5 A6-9500 RADEON R5, 8 COMPUTE	893	197



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CORES 2C+6G		
Intel UHD 620	889	662
Radeon R7 + R5 435 Dual A10-9700 RADEON	886	480
Radeon HD 8750M	885	213
Radeon HD 8650G + 7670M Dual	884	379
Radeon R7 A10-8750	884	241
Radeon R7 PRO A12-8830B	883	341
Radeon HD 7660G + HD 7730M Dual	882	329
GeForce GT 445M	881	250
GeForce 920A	879	277
FirePro W2100	876	331
LMIMIRR	875	515
Intel UHD 617	874	282
Radeon HD 4830	874	127
Radeon R7 PRO A10-8770E	874	249
Radeon R7 M440	873	189
Radeon R7 G	870	532
GeForce GT 635	869	248
Radeon HD 8570D + HD 6570 Dual	868	506
Mobility Radeon HD 4850	866	472
Radeon R5 PRO A6-8570E R5, 6 COMPUTE CORES 2C+4G	866	210
Radeon HD 8470D + HD 6450 Dual	863	590
Intel HD 520	861	209
Intel Iris 6100	855	309



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Radeon HD 8550G + HD 7600M Dual	855	350
FirePro 3D V4800	854	324
Radeon HD 8500M/8700M	853	503
Radeon R5 A6-9500 2C+6G	853	249
Radeon R7 A8-7500 4C+6G	853	390
Intel HD 6000	851	281
Radeon R7 240	850	251
Radeon R5 PRO A6-8570 2C+6G	847	292
Radeon R5 435	841	235
FireGL V8600	839	406
GeForce GT 730M	838	181
Radeon HD 8470D + 6570 Dual	838	454
Radeon HD 8670D + R5 235 Dual	837	518
Radeon HD 6650A	836	418
Radeon HD 7560D + 6570 Dual	833	476
Radeon HD 7520G + HD 7500/7600 Dual	832	355
Radeon HD 7660G + 7600M Dual	832	341
Radeon HD 8650G + 8600/8700M Dual	832	374
Radeon 520	831	225
Radeon 535DX	831	202
Intel HD 5200	830	653
3DP Edition	827	931
GRID M60-0Q	827	516
Radeon HD 7640G N HD 7640G + HD 7600M N HD 7600M D	824	262



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Aktualne na dzień 16 sierpnia 2021

Radeon HD 3850 X2	822	422
Radeon HD 7540D + 7500 Dual	822	471
Radeon R7 M260DX	822	210
Radeon HD 8650G + HD 7600M Dual	820	346
Radeon HD 8550G + HD 8750M Dual	819	336
Radeon R7 PRO A10-8750B	817	230
Radeon R7 A10 Extreme Edition	816	286
Radeon R7 FX-8800P	813	195
Radeon HD 8670D + 7000 Dual	812	488
GRID K1	811	463
Radeon R5 A6-7480	806	215
GeForce GT 730	804	232
Radeon HD 8550G + 8600/8700M Dual	803	336
Quadro 2000M	801	273
Radeon HD 8650G + HD 8790M Dual	800	404
GeForce 9800 GX2	798	518
Radeon HD 7670	798	325
Radeon R7 PRO A12-8800B	798	247
Radeon HD 8550G + 8750M Dual	796	321
Radeon HD 8650G N HD 8650G + HD 8600/8700M Dual	796	322
Radeon R7 A8-9600 RADEON	794	186
Radeon R5 PRO A8-9600B R5, 10 COMPUTE CORES 4C+6G	788	202
Radeon HD 8650G + 8750M Dual	787	381
Radeon R5 M435	787	176



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Radeon R8 M445DX	784	167
GeForce GT 740M	782	142
Quadro K420	782	274
Radeon R7 A365	781	763
Radeon R7 PRO A6-9500 2C+6G	781	439
Radeon HD 5670	780	285
Radeon HD 8650G + HD 8750M Dual	779	345
Radeon R7 PRO A12-9800B	779	219
GRID P40-4Q	778	621
GeForce 730A	777	218
Radeon HD 7660G + HD 7700M Dual	777	168
Radeon HD 7640G + 7500M/7600M Dual	776	317
Quadro FX 3800	775	115
RadeonT Vega 3	775	391
GeForce GT 340	774	469
GeForce GT 440	774	254
Mobility Radeon HD 5000	773	429
Radeon HD 7600M + 7600M Dual	773	317
Radeon HD 8650G N HD 8650G + HD 8570M Dual	773	368
Radeon R9 M375	773	188
Radeon R5 PRO A6-9500E 2C+4G	771	288
Quadro K1000M	770	241
GeForce 825M	769	293
GeForce 9800 GTX	769	366
Radeon HD 4810	769	425



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Radeon R7 A10-7890K	768	241
Intel UHD 615	767	201
Quadro K600	766	259
Radeon HD 8650G + HD 8600/8700M Dual	764	356
Mobility Radeon HD 5850	763	403
Radeon HD 6450 + 8470D Dual	763	486
Radeon HD 7660G + HD 7500/7600 Dual	760	369
Radeon R7 A12-9720P RADEON	760	189
Radeon HD 7660G + HD 8500M Dual	758	355
Radeon HD 8650G + HD 8600M N HD 8600M Dual	758	413
Radeon R7 PRO A10-9700B	758	259
Radeon HD 7660G + 7700M Dual	757	311
Quadro 1100M	755	734
Radeon HD 7640G + 7450M Dual	754	353
Radeon HD 8570D + HD 7000 Dual	753	465
Intel Iris 5100	752	270
Radeon R7 A8-7600	752	203
Incredibile HD 4600	750	735
Radeon HD 6650M	750	239
Radeon M535DX	750	288
Radeon HD 7640G + 7650M Dual	747	188
Radeon HD 7660G + HD 8600/8700M Dual	747	365
Radeon HD 7660G + 7610M Dual	746	323
Radeon HD 8670D + R5 330 Dual	746	494
Radeon R7 M270	746	202

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Radeon R5 235 + HD 7560D Dual	744	441
Radeon R7 A10-7800	744	201
GeForce GT 730A	743	714
Radeon HD 7660G + 7670M Dual	743	347
Radeon HD 8650G + 7600M Dual	742	404
Radeon R8 M365DX	741	336
Radeon R7 A8-7680	740	210
Intel Poison Ivy	739	783
Radeon HD 7670M + 7670M Dual	738	294
Radeon R5 235 + HD 8570D Dual	738	486
Radeon R7 A10-7700K	737	254
Radeon HD 6670	733	230
Intel UHD 610	732	181
Radeon R5 A10-9620P 4C+6G	732	196
Quadro K610M	730	243
Radeon HD 7550M/7650M	729	524
GRID K140Q	728	457
Intel HD 615	728	186
Radeon HD 6800M	728	230
GeForce 920M	727	120
Radeon R7 FX-9800P RADEON	727	197
GeForce 720A	725	690
NVS 510	725	273
Radeon HD 7660G N HD 7660G + HD 7600M N HD 7600M D	723	292





Załącznik nr 1C do SWZ z dnia2021 r.

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Radeon HD 8650G + R5 M200 Dual	723	323
Asus GTX 650 FML II EC-EGPU	721	534
Mobility Radeon HD 4870	720	416
Radeon HD 7540D + 6570 Dual	720	469
Radeon HD 8670D + HD 7000 Dual	719	403
Radeon HD 8470D + 6450 Dual	717	558
Radeon HD 8650G + HD 8570M Dual	716	317
Intel HD 5600	712	595
Radeon HD 7660G + HD 8670M Dual	711	325
Radeon HD 3870 X2	709	224
Radeon HD 6550A	708	609
GeForce GT 740A	707	495
Radeon HD 7660G + HD 7670M Dual	707	317
Radeon HD 7640G + 7600M Dual	706	294
Radeon HD 7660G N HD 7660G + HD 7670M Dual	705	318
GeForce GT 555M	704	129
Radeon HD 7640G + HD 7600M Dual	704	277
Radeon HD 7570M/HD 7670M	699	555
Radeon R8 M535DX	699	183
TRINITY DEVASTATOR MOBILE	699	335
Radeon R5 PRO A10-8730B 4C+6G	695	201
Radeon R5 PRO A6-9500B 2C+4G	693	323
Radeon R7 PRO A8-8650B	693	213
Radeon R5 A10-9600P RADEON R5, 10 COMPUTE CORES 4C	692	151



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Radeon HD 7640G + 7700M Dual	691	324
Radeon R5 PRO A6-8530B 2C+4G	690	354
Radeon R7E	690	208
GeForce GT 530	689	249
Radeon HD 7640G + 8600/8700M Dual	689	308
Radeon HD 8650G + R5 M230 Dual	686	374
Radeon HD 6630M	685	390
Radeon HD 8550D	685	357
Radeon R7 A12-9700P RADEON	684	165
GeForce GT 640M LE	682	168
GRID P40-3Q	681	603
Radeon HD 7640G N HD 7640G + HD 7670M Dual	680	305
Radeon HD 8650G N HD 8650G + HD 8600M N HD 8600M D	680	347
GeForce GTS 160M	679	308
Radeon HD 7640G + HD 8670M Dual	677	249
GeForce GTX 285M	676	246
Quadro FX 4700 X2	676	509
Radeon HD 8610G + R5 M200 Dual	676	291
Radeon R7 A360	676	346
GeForce GT 630	675	201
FirePro V3900	674	241
Intel HD 610	673	158
Radeon HD 7640G + HD 8500M N HD 8500M Dual	666	311
FirePro M7740	665	415



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Quadro 500M	664	588
Radeon HD 8550G + 8690M Dual	664	260
Radeon HD 5600/5700	661	273
FireGL V7700	660	422
Radeon HD 2900 XT	660	397
Radeon HD 7660G + HD 7600M Dual	659	169
Radeon R5 PRO A8-9600B 4C+6G	659	224
GeForce GT 140	658	225
Radeon HD 7640G + 8750M Dual	655	305
Radeon HD 8550G + HD 8600/8700M Dual	655	170
Radeon HD 8730M	655	186
Professional HD Driver	654	555
Radeon HD 8650G + 8570M Dual	654	282
GeForce GTS 360M	651	75
Radeon HD 7520G + HD 8750M Dual	651	289
SUMO 9640	650	398
Radeon R5 M430	649	516
FireStream 9170	647	493
Radeon HD 6670 + 6670 Dual	647	552
Radeon HD 8610G + HD 8500M Dual	646	274
Radeon HD 7640G + 7670M Dual	645	294
Radeon R7 M340	644	148
Radeon HD 7540D + HD 6450 Dual	643	444
Radeon HD 7730M	643	217
GeForce 8800 Ultra	639	372



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Intel HD P4600/P4700	639	383
GeForce GT 710	638	213
Radeon R5 PRO A6-8570E 2C+4G	638	268
NVS 5400M	637	182
Radeon HD 7640G + 7400M Dual	637	286
Radeon HD 8450G + 8750M Dual	637	299
GeForce 9800 S	636	427
Matrox C420 LP PCIe x16	635	523
Radeon HD 8650G + 8670M Dual	635	355
Radeon HD 7660D + HD 7000 Dual	634	465
Radeon HD 8650G + HD 7670M Dual	634	305
Radeon R5 A10-9620P RADEON R5, 10 COMPUTE CORES 4C	633	167
Radeon R6	633	151
Radeon HD 7610M	632	479
GeForce 9800 GTX/9800 GTX+	631	145
Radeon HD 7640G + HD 7700M N HD 7700M Dual	631	272
Radeon HD 7660G + 7470M Dual	631	351
Intel HD 4600	630	316
Radeon HD 8510G + HD 8500M Dual	630	191
GRID K160Q	628	262
Radeon HD 2900 PRO	628	397
GeForce GT 820M	627	162
GeForce GTS 240	627	251
Radeon HD 7640G + 7500/7600 Dual	627	293



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Radeon HD 8650G + 8500M Dual	627	351
Radeon R5 A6-8500P	625	220
Radeon HD 7520G + HD 8600/8700M Dual	624	291
Radeon HD 7570	624	282
GeForce 810A	622	319
Intel HD 510	622	162
GeForce GTX 280M	621	440
Radeon HD 7640G + HD 7400M Dual	621	297
Radeon HD 8570 + 8670D Dual	620	496
Radeon HD 8550G + R5 M200 Dual	619	276
Radeon R5 A10-9600P 4C+6G	619	146
Radeon HD 8550G + 8600M Dual	618	321
Radeon HD 7500G + 7500M/7600M Dual	617	308
FireGL V7600	616	488
GeForce GTS 250	616	123
Radeon R7 A8-7650K	614	187
Intel HD 515	613	190
Radeon HD 8650G + 8600M Dual	613	370
Radeon HD 8550G N HD 8550G + HD 8600M N HD 8600M D	612	116
7900 MOD - Radeon HD 6520G	610	323
Quadro K510M	610	550
Radeon HD 8610G + 8500M Dual	610	298
GeForce 8800 GTS 512	607	186
Radeon HD 7640G + HD 8500M Dual	607	305



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Radeon R7 A8 PRO-7600B	607	167
Radeon R7 M265	607	220
Radeon HD 8650G + HD 8600M Dual	606	378
Intel HD P4600	605	963
Radeon R5 A6-9400 RADEON R5, 6 COMPUTE CORES 2C+4G	605	271
Radeon HD 8550G + 8500M Dual	603	304
GeForce GT 720A	601	221
Radeon HD 8610G + 8670M Dual	600	356
GeForce GT 720	599	200
Quadro 1000M	598	196
GeForce 8800 GTX	596	118
Radeon HD 8510G + 8500M Dual	596	260
Radeon R5 M330	596	519
Radeon HD 7640G + 7470M Dual	595	301
Radeon HD 8550G + HD 8600M Dual	594	322
Radeon HD 7520G + 7600M Dual	591	362
Radeon HD 7640G + HD 7700M Dual	589	277
Radeon HD 8610G + 8600M Dual	589	320
Radeon R5 PRO A10-8730B R5, 10 COMPUTE CORES 4C+6G	589	139
Radeon HD 7520G + 7610M Dual	588	317
Radeon HD 7660G + 7400M Dual	588	326
Radeon HD 7660G + 8670M Dual	588	333
Radeon HD 7640G + HD 8600/8700M Dual	587	298
GeForce GT 430	586	182



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GeForce GT 550M	586	138
Radeon HD 7640G + 8500M Dual	586	308
Radeon HD 8650G + HD 8670M Dual	585	320
Quadro FX 3800M	584	107
Radeon HD 7520G + 7500/7600 Dual	582	379
GeForce GT 735M	581	140
Intel HD 5500	579	234
Radeon HD 8550G + 8670M Dual	579	334
GeForce 910M	578	150
Radeon HD 8450G + R5 M230 Dual	578	298
Radeon HD 8610G + HD 8670M Dual	578	282
Intel Skylake HD DT GT2	577	402
Radeon HD 7620G + 8670M Dual	577	322
Radeon HD 3870	576	118
Radeon R5 A240	576	802
Radeon HD 7520G + HD 7700M Dual	575	389
Radeon HD 7520G N HD 7520G + HD 7500/7600 7500/760	575	386
Radeon HD 8450G + HD 8670M Dual	575	377
Radeon R5 420	575	230
Radeon R5 330	572	211
Radeon R6 + R7 M265DX Dual	571	328
Radeon HD 7560D + 6450 Dual	569	490
GeForce 820A	567	170
GeForce GT 635M	566	178



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Radeon HD 6610M	565	527
Radeon 6600M	564	162
Radeon HD 7650A	564	325
Radeon HD 7560D + R5 235 Dual	563	397
Quadro FX 5600	562	168
Radeon R7 A10 PRO-7800B	562	289
Radeon R6 A8-8600P	560	294
Radeon HD 7640G + R5 M200 Dual	559	249
Radeon HD 8550G + HD 8500M Dual	559	301
Radeon R7 M360	559	152
Radeon HD 7640G + 8570M Dual	558	274
Radeon HD 7640G + 8670M Dual	558	316
Intel HD 5000	555	237
Radeon HD 7600G + HD 7500M/7600M Dual	555	244
GF117	554	446
GeForce 615	552	412
Mobility Radeon HD 5570	551	251
Radeon R7 7850A10-7850K	551	506
FireGL V8650	550	637
GeForce GT 240	549	94
Radeon R5 M335	549	577
Mobility Radeon HD 3870	548	288
FirePro 3D V5700	547	517
Quadro 600	547	224
Radeon HD 8550G + HD 8670M Dual	546	315



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FirePro 3D V7750	545	468
Radeon HD 7520G + HD 7400M Dual	545	315
Radeon HD 8450G + 8600M Dual	545	356
GeForce GT 630M	544	149
Radeon HD 7600G + HD 8670M Dual	544	241
Quadro FX 2700	543	465
Radeon HD 7520G + 7470M Dual	543	345
GeForce GT 435M	541	248
NVS 5200M	541	193
Radeon R7 M265DX	540	136
Radeon R6 PRO A10-8700B R6, 10 Compute Cores 4C+6G	539	149
KV SPECTRE LITE MOBILE 25W	538	291
Radeon R6 PRO A10-8700B 4C+6G	538	146
Radeon HD 8670D	536	184
GRID K180Q	534	113
Radeon HD 7560D + HD 7000 Dual	534	423
Radeon HD 8550G + 8570M Dual	533	307
RADEON HD6530D	532	327
Radeon R6 M255DX	532	124
Radeon R6 PRO A8-8600B 4C+6G	532	158
Radeon HD 8550G + HD 8570M Dual	529	260
Radeon HD 7640G + 6400M Dual	527	279
Radeon HD 7600G N HD 7600G + HD ON HD Dual	526	244
Radeon HD 8650D	526	398



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GeForce GT 425M	524	186
Intel HD 4400	524	278
Radeon HD 7660D	524	186
Radeon HD 7660D + R5 235 Dual	524	386
Radeon R6 PRO A8-8600B R6, 10 Compute Cores 4C+6G	524	147
GeForce GTS 250M	523	98
Radeon HD 7520G + 7670M Dual	523	323
MCT USB3.0 External Device	520	129
Radeon HD 8670M	520	488
Radeon R5 M255	520	143
Radeon HD 7640G + HD 7670M Dual	519	97
GeForce 820M	517	114
GeForce 8800 GT	517	116
Incredible HD 4000	517	520
Intel HD P4000	516	636
Radeon R5 240	516	199
Radeon HD 7670M	515	148
A10-8700P	514	302
Mobility Radeon HD 4830	512	285
GeForce 9800 GTX+	511	156
Radeon HD 7640G + 7610M Dual	510	309
Radeon HD 7600G + HD 7550M Dual	509	202
Radeon HD 7620G + 8600M Dual	509	294
Radeon R5 PRO A6-8500B 2C+4G	508	416



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GeForce GT625M	507	222
Radeon HD 7620G + HD 8670M Dual	507	267
Radeon R5 PRO A6-9500B R5, 6 COMPUTE CORES 2C+4G	507	131
GeForce GTS 150M	504	407
Radeon HD 8450G + HD 8750M Dual	504	323
Radeon HD 6570	501	197
GeForce 9600 GT	500	75
Quadro FX 3700M	499	133
Radeon HD 8650G	498	138
SUMO 964A	498	403
TRINITY SCRAPPER MOBILE	498	280
Radeon HD 7500G + 7550M Dual	497	263
ASUS EAH4870x2	496	539
Radeon HD 7520G + HD 7670M Dual	495	295
Radeon R6 A10-8700P	491	134
Radeon HD8530M	490	438
Mobility Radeon HD 5730	489	145
Radeon HD 8670D N HD 8670D + HD 8670D Dual	489	526
Radeon HD 8550G + R5 M230 Dual	488	211
GeForce 710A	487	364
Radeon HD 7520G + 7400M Dual	487	280
Radeon R4E	487	366
GeForce GT 540M	486	81
GeForce GTX 260M	486	128



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Radeon R5 M420	482	191
Radeon HD 8610G + HD 8600M Dual	481	156
Quadro K500M	480	184
GeForce 9800 GT	479	122
Mobility Radeon HD 5000 Serisi	479	305
Mobility Radeon HD 3870 X2	478	187
Radeon HD 7640G + HD 8570M Dual	475	196
Radeon HD 7660G	475	129
Radeon HD 8450G + 8670M Dual	475	414
Radeon HD 7560D	474	171
FirePro 3D V3800	472	507
Radeon HD 8570D + R5 235 Dual	471	470
Radeon HD 7600G + 8500M/8700M Dual	470	257
Radeon HD 8690A	469	131
GeForce 800M	468	388
Radeon HD 5570	468	179
Quadro FX 3600M	467	365
Radeon HD 7660D + 7470 Dual	466	491
SUMO 9644	466	386
FirePro V5700	465	469
Radeon HD 7550M	465	403
GeForce GT 720M	463	117
Mobility Radeon HD 4670	463	375
GeForce 8800M GTX	462	175
GeForce 9800M GTX	462	117



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Radeon R5 M315	462	214
Radeon HD 7660G + HD 7600M N HD 7600M Dual	460	297
GeForce 9800M GS	458	160
GeForce 705M	456	455
GeForce GT 525M	455	94
Radeon Vega 2	455	240
Radeon HD 7650M	454	79
Radeon HD 7520G + 7650M Dual	453	345
HIS DIGITAL HD 4650 AGP	452	190
Intel HD Family	452	189
Mobility Radeon HD 5650	452	147
Radeon HD 7620G N HD 7620G + HD 8600M N HD 8600M D	452	238
Radeon HD 8450G + HD 8600M Dual	452	326
Radeon HD 7640G	448	125
Radeon HD 7520G + HD 7600M Dual	447	150
Radeon R7 M260	447	119
Radeon HD 7570M	446	202
Radeon HD 7660G + 8600M Dual	446	360
PHDGD Ivy 5	445	497
Quadro FX 1800M	445	112
Radeon HD 8570D	445	153
GeForce 8800 GTS	444	65
GeForce 710M	443	112
Radeon HD 3850	443	52



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Radeon HD 7620G + HD 8600M Dual	443	267
Radeon HD 8350G	443	332
GeForce GT 710M	442	127
GeForce GT 620M	439	132
Quadro FX 4600	439	216
GeForce GT 320	437	119
Radeon R5 Opteron X3216	436	342
GeForce GT 625M	435	210
Radeon HD 7600G + HD Dual	435	158
Radeon HD 8410G	435	263
Radeon HD 3850 AGP	432	92
Radeon R5 M240	432	247
Quadro 410	430	257
Radeon HD 8570M	430	180
GeForce 800A	428	224
GeForce 9800M GT	424	130
Radeon HD 7640G + HD 7500/7600 Dual	424	301
Radeon HD 7600G + 7550M Dual	423	247
Radeon HD 7640G N HD 7640G + HD 8570M Dual	423	287
RADEON HD6410D	423	296
Intel 4th Generation Haswell HD	420	734
Quadro FX 2800M	415	88
Radeon HD 6550D	414	151
GeForce GT 420M	412	81
GeForce GTS 350M	408	113



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Radeon HD 7470M	408	393
Radeon HD 7640G + HD 7600M N HD 7600M Dual	407	198
Radeon HD 7600G + 7500M/7600M Dual	406	210
RADEON E4690	405	347
Quadro FX 1800	404	112
Radeon HD 8550G	404	119
Radeon HD 8610G	403	126
FirePro M2000	401	206
Mobility Radeon HD 4650	401	320
GeForce GT 420	399	183
Radeon R5 M320	399	131
GeForce 810M	398	71
GeForce 8800 GS	398	255
Radeon HD 8500M	394	118
GeForce GT 335M	393	61
GeForce GT 330	391	169
Radeon HD 7600G + 7450M Dual	390	221
Incredible HD	389	427
Intel HD 5300	389	183
Radeon R5 M230	389	148
GeForce 7900 GTX	388	165
Quadro FX 3700	388	215
Radeon HD 5550	384	189
GeForce 8800M GTS	382	159
Radeon HD 4670	380	62



**WYNIK WYDAJNOŚCI – PASSMARK VIDEOCARD BENCHMARK**Dane ze strony: https://www.videocardbenchmark.net/GPU_mega_page.html

Aktualne na dzień 16 sierpnia 2021

GeForce 9800M GTS	379	135
Radeon HD 6490M	378	514
Radeon HD 7520G + 8750M Dual	377	388
Radeon HD 7600G + 6400M Dual	377	257
GeForce GT 130	376	201
Quadro FX 2700M	376	96
PHDGD Ivy 4	374	434
Radeon HD 8570D + HD8490 Dual	374	380
Radeon HD 8510G	372	110
Intel UHD 605	371	114
GeForce GT 610M / GT 620M / GT 710M / GT 720M / GT	369	824
Matrox Millennium P690 PCIe x16	367	295
Mobility Radeon HD 3850	366	248
Radeon HD4670	366	585
Radeon HD 7520G N HD 7520G + HD 7600M N HD 7600M D	365	263
Radeon HD 8450G	365	153
Radeon HD 7620G	364	114
Radeon HD 7660G + HD 8600M Dual	364	337
Radeon HD 8470D	364	142
Radeon HD 6620G	358	118
GeForce GT 620	357	158
Radeon HD 7500G + HD 7500M/7600M Dual	356	265
GeForce 9600 GSO	353	134
Mobility Radeon HD 565v	353	318



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Aktualne na dzień 16 sierpnia 2021

Radeon HD 6480M	353	282
Intel HD 505	351	99
Radeon HD 7580D	351	430
GeForce GT 705	349	180
GeForce 9600 GSO 512	345	111
GeForce 7950 GT	344	189
FireGL V5600	341	445
FirePro 3D V3750	341	467
Radeon HD 8310E	341	187
Qualcomm Adreno 680 GPU	340	80
Radeon HD 7660D + HD 7400 Dual	340	448
Radeon HD 8400E	339	204
Radeon HD 8570D + HD 8470 Dual	338	416
FirePro RG220	335	552
Intel HD 4000	332	187
Radeon R5 310	332	545
Intel UHD 600	331	98
GeForce 9600 GS	330	140
Radeon HD 7450M	330	441
Radeon HD 7500G	330	114
Radeon R4	330	102
Radeon HD 7540D	329	123
Radeon HD 7600G + HD 7400M Dual	329	147
GeForce 9700M GTS	326	106
GeForce GT 120 / 9500 GT	325	327



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Aktualne na dzień 16 sierpnia 2021

Radeon E6460	324	225
FirePro V3800	323	191
GeForce 240M GT	320	434
RADEON HD6370D	320	312
Radeon HD 8280	319	141
GeForce GT 415M	318	431
Mobility Radeon HD 560v	318	366
Radeon HD 6530D	317	139
Radeon HD 7470	316	177
Radeon HD 7520G	316	125
Radeon R5 235X	316	287
Quadro FX 3500	315	126
GeForce GT 625	314	221
Radeon HD 7600G	314	101
GeForce GT 230	313	90
Radeon HD 7520G + 8600/8700M Dual	311	329
GeForce 605	309	192
Radeon HD 6520G	309	84
Quadro FX 3500M	306	309
Radeon R3	305	97
Radeon R5E	305	117
Radeon R5 235	302	178
GeForce GT 610	301	127
Radeon R1E	301	179
Radeon HD 7400G	300	160



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Intel HD 500	298	81
GeForce GT 520	295	128
GeForce GT 520MX	295	50
Intel HD P3000	294	134
GeForce 9600M GT / GeForce GT 220M	293	291
GRID K120Q	293	278
NVS 315	293	208
Radeon HD 8370D	293	145
GeForce 7900 GS	292	133
Radeon HD 2900 GT	292	344
GeForce 7800 GTX	291	196
Incredible HD 3000	291	18
GeForce 7950 Xtreme	288	288
Radeon HD 7450A	288	385
Radeon HD 7480D	288	122
GeForce 610M	287	104
Mobile Intel HD	285	164
Mobility Radeon HD 5165	284	362
Radeon HD 7420G	284	122
Radeon HD 2600 XT	283	371
GeForce GT 520M	277	73
Radeon HD 6370M	276	401
Radeon HD 8490	273	189
GeForce 9650M GS	270	328
GeForce Go 7900 GTX	270	264



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Aktualne na dzień 16 sierpnia 2021

Radeon HD 6370D	270	163
Radeon HD 8280G	270	130
Radeon HD 5470	268	298
GeForce GT 120M	266	272
Mobility Radeon HD 550v	266	398
Qualcomm Adreno 630 GPU	265	77
GeForce Go 7950 GTX	264	283
Radeon HD 6450A	260	208
Radeon HD 8280E	260	108
Radeon HD 8470	259	176
GeForce 7900 GT	258	160
Intel HD 3000	257	56
Quadro NVS 510M	254	317
GeForce 510	253	211
NVS 4200M	252	75
Radeon HD 8330	252	70
Radeon HD 6480G	251	76
Radeon HD 7640G + 8600M Dual	250	217
Radeon HD 8400	250	78
GeForce 410M	248	137
GeForce GT 415	248	363
CARRIZO 9874	247	69
GeForce 7900 GT/GTO	247	469
GeForce 7800 GT	244	273
Quadro FX 5500	242	394



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Aktualne na dzień 16 sierpnia 2021

Radeon HD 8240	242	60
Quadro FX 4500	241	180
Radeon HD 8330E	241	104
Radeon HD4650	240	99
Radeon HD 7640G + R5 M230 Dual	239	75
Radeon R2	238	68
Mobility Radeon HD 5470	236	362
NVS 310	236	180
Quadro FX 4500 X2	236	653
Radeon HD 4550	236	429
Mobility Radeon HD 3670	232	331
Quadro FX 880M	229	93
Radeon HD 7450	229	159
Radeon R2E	229	100
Quadro NVS 290	225	89
GT 430	223	325
Radeon HD 6470M	222	103
Radeon R5 230	222	255
HD6450	221	417
Radeon HD 7340M	221	160
A6 Micro-6500T Quad-Core APU with RadeonR4	220	127
Mobility FireGL V5725	219	405
Radeon HD 4650	219	47
Quadro FX 2500M	218	272
GeForce 9700M GT	217	156



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Aktualne na dzień 16 sierpnia 2021

Radeon HD 6320 Graphic	216	159
GeForce GT 330M	215	72
Mobility Radeon. HD 5470	215	398
Radeon HD 6410D	215	120
Mobility Radeon HD 5450	214	320
Intel HD 2000	213	456
Intel 2nd Generation SandyBridge HD	212	342
WinFast GT 610	212	558
Radeon HD 2600 PRO	211	337
GeForce Go 7600 GT	210	125
GeForce Go 7800 GTX	210	239
GeForce GT 240M	208	70
Radeon HD 4650 AGP	208	156
Barco MXRT 1450	206	520
GeForce GT 220	206	69
Radeon R3E	206	90
Intel 2nd Generation SandyBridge HD 3000	205	555
NVS 5100M	203	131
Radeon HD 8250	203	65
GeForce 320M	202	85
GeForce 7950 GX2	202	413
GeForce G200	200	156
Mobility Radeon HD 545v	200	270
GeForce GT 230M	199	55
Radeon HD 6450	199	121



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RADEON HD7450	199	215
Quadro FX 770M	198	92
Radeon HD 6320M	198	151
Radeon HD 6380G	198	108
GeForce 7600 GT	196	125
Radeon HD 7340G	196	146
Radeon HD 8210	196	54
GeForce 6800 GS	195	121
Intel Infoshock HD	194	393
Radeon HD 8210E	194	202
Radeon HD 6430M	193	106
Radeon HD 7350	193	248
Mobility Radeon HD 2600 XT	192	329
GeForce 305M	191	288
Intel Q965/Q963 Express	191	49
Mobility Radeon HD 4550	191	290
Mobility Radeon HD 540v	188	382
GeForce 505	187	587
Intel Q35 Express	186	35
Quadro FX 1600M	186	211
Quadro FX 380	186	151
GeForce GT 120	182	149
Mobility Radeon HD 5430	181	330
Radeon HD 7310G	181	119
Barco MXRT 7100	180	659



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FireGL V3600	180	399
Quadro FX 1700M	180	177
FirePro 3D V3700	179	466
Radeon HD 6230	179	254
GeForce 7800 GS	177	199
GeForce Go 7900 GS	176	254
Mobility Radeon HD 530v	175	353
Quadro FX 1500	175	137
Radeon HD 7310 - Carte graphique	174	120
Quadro FX 1500M	171	275
FirePro 2460	170	352
GeForce GT 325M	170	56
Radeon HDG 4670	170	197
Mobility Radeon HD 2600	168	267
GeForce 7600 GS	167	55
Radeon HD 8350	167	248
Radeon HD 7310M	166	127
Intel HD manual-gen9_2015-133271	165	119
Radeon E6465	164	445
GeForce 315	163	97
VIA/S3G C-645/640 GPU	163	122
Quadro NVS 320M	160	159
Radeon HD 7340	160	58
GeForce 8600 GTS	158	43
GeForce 9500 GS	158	75

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GeForce 9200M GE	157	79
Radeon HD 4300/4500 Serisi	156	347
Radeon HD 3670	155	87
FirePro 2270	154	230
GeForce 8200	153	163
GeForce GT 130M	153	73
Radeon HD 8180	152	55
Radeon X1950 CrossFire Edition	151	466
Quadro 400	150	86
Radeon HD 3650 AGP	150	155
Quadro FX 3450	149	235
GeForce Go 7700	148	232
Mobility Radeon HD 4350	148	369
Radeon HD 6320	148	45
Radeon HD 6300M	147	123
ZX Chrome 645/640 GPU	147	220
GeForce G100	146	77
Radeon X1900 GT	146	409
GeForce 9200	145	52
GeForce 9650M GT	145	97
S3 5400EW	144	11
Quadro FX 380 LP	143	268
GeForce 6800 GT	142	212
Intel Q45/Q43 Express Chipset	142	33
Quadro FX 580	142	75



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EG PARK	141	7
Radeon HD 4290	141	442
RADEON HD 6350	141	171
Radeon X1800 GTO	141	415
nForce 760i SLI	140	379
Radeon HD 6290M	140	92
GeForce 6800 Ultra	139	153
Intel Haswell HD - GT2	139	630
NVS 2100M	139	221
GeForce 7300 GT	138	47
GeForce Go 6800 Ultra	138	198
Radeon HD 5450	138	149
Radeon X1900 CrossFire Edition	137	507
GeForce 6800 XT	135	197
GeForce 9500 GT	135	47
Mobility Radeon HD 4330	135	377
Mobility Radeon X1900	135	287
Quadro FX 3450/4000 SDI	135	369
Radeon R5 220	135	111
EAH5450	134	216
GeForce 7650 GS	134	335
GeForce 9800 GT 1024MB	134	315
Mobility Radeon HD 4570	134	30
GeForce 9600M GT	131	48
MOBILITY RADEON X1800	130	247



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Radeon HD 7310	130	47
RADEON X800 SE	130	384
GeForce 9300 / nForce 730i	129	367
FireGL V7300	128	322
GeForce Go 7600	128	220
Mobility Radeon HD 3650	128	54
All-in-Wonder X1900	127	445
GeForce 9300	127	385
Radeon HD 3300	127	373
GeForce 205	126	309
GeForce 8400 GS	125	38
GeForce 8700M GT	125	120
GeForce G210M	125	44
Seria Mobility Radeon HD 3400	125	148
M76M	124	279
Quadro FX 380M	124	124
GeForce 405	123	80
Intel Haswell HD - GT1	123	492
Matrox G200e WDDM 2.0	123	801
Radeon HD 4250	123	408
Radeon HD 6310	123	38
Radeon HD 7290M	123	90
GeForce 6600 GT	122	150
GeForce 9500M G	122	172
Quadro FX 570M	122	116



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GeForce 310	121	75
GeForce GT 220M	121	92
Qualcomm Adreno 618 GPU	121	54
Radeon HD 2400	121	298
Extreme AX850 PRO	120	218
Quadro FX 1700	120	51
GeForce 315M	119	69
GeForce 9600M GS	119	81
Radeon HD 2400 XT	119	357
RV530 PRO	119	386
FireMV 2260	117	488
GeForce 8600 GT	117	77
Mobile Intel 45 Express-Chipsatzfamilie	117	270
PHDGD Quantic C3	117	351
Qualcomm Adreno 540 GPU	117	51
Radeon X1700 Targa Edition	117	255
FireGL V7200	116	348
Radeon X1600 XT	116	356
FireGL V5200	115	348
GeForce Go 7800	115	209
NVS 3100M	115	48
Quadro FX 570	115	401
Radeon HD 7290	115	51
Quadro FX 560	114	360
Radeon HD 2400 Pro	114	346



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FirePro 2260	113	431
GeForce 310M	113	31
GeForce 6800	113	258
NVS 300	113	67
Radeon X1950 Pro	113	318
Sapphire RADEON X800 GT	113	274
Intel HD Modded	112	303
Radeon HD 4200	112	372
FireGL V7350	111	344
GeForce G105M	111	60
Mobility Radeon HD 3400 Serisi	111	239
Radeon HD 6290	111	32
GeForce 6800 LE	110	166
Radeon HD 2600 Pro AGP	110	137
Radeon HD 4270	110	303
Radeon HD 4330	110	60
VIA/S3G Chrome 645/640 GPU	110	161
XFX Radeon HD 4650 AGP	110	138
Quadro FX 370 LP	108	481
GeForce GT 320M	107	48
Radeon Infoshock 3000	107	475
GeForce 8500 GT	106	41
GeForce Go 6800	106	205
GeForce9400M	106	161
Intel G33/G31 Express	106	29



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Radeon X1950 GT	106	279
GeForce 9450	105	342
Mobility Radeon X1700	105	228
GeForce 9500M	104	320
GeForce 9500M GS	104	74
GeForce G210	104	63
M880G with Mobility Radeon HD 4250	104	270
Quadro FX 1400	104	294
Quadro FX 3400/4400	104	239
FireGL V3400	103	353
GeForce 6800 GS/XT	103	196
Quadro FX 370 Low Profile	103	492
Mobility Radeon HD 2400 XT	102	246
Quadro FX Go1400	102	223
Radeon HD 4350	102	40
Quadro FX 4000	101	78
Radeon X1600 Pro	99	273
GeForce 8400M GS	98	47
GeForce 9300GE	98	367
ION LE	98	96
Mobility Radeon HD 3430	98	260
Mobility Radeon HD 4250	98	280
Radeon 3000	98	414
RADEON X800 XT	98	271
Mobility Radeon HD serie 4200	97	227



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Quadro NVS 130M	97	190
GeForce 210	96	48
Intel Media Accelerator HD	96	46
Radeon HD 3000	96	264
GeForce 6700 XL	95	243
MEDION RADEON X740XL	95	228
Matrox G200eW3 WDDM 2.0	94	316
Mobility Radeon HD 3470 Hybrid X2	94	206
Radeon HD 6250	94	32
FireGL V5100	93	250
GeForce 8600 GS	93	111
GeForce G102M	93	265
M880G with Mobility Radeon HD 4200	93	260
Mobility Radeon HD 3470	93	250
Mobility Radeon HD 4270	93	282
Quadro FX 370M	93	334
Quadro NVS 150M	93	327
GeForce 8300	92	330
GeForce G205M	92	294
Mobility Radeon X1600	92	236
nForce 780a SLI	92	425
Radeon HD 3470	92	108
RADEON X600XT	92	258
GeForce 9300M GS	91	43
GeForce 9400 GT	91	66



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Mobility Radeon HD 3450	91	247
Mobility Radeon HD 4200	91	260
Mobility Radeon HD 2400	90	212
GeForce 6610 XL	89	288
ION	89	24
GeForce 6600	88	108
GeForce 9400M	88	150
GeForce 9400	87	118
Quadro FX 360M	87	308
Quadro FX 350	86	378
FireGL V3200	85	236
GeForce 9300M G	85	242
Radeon X1650 Pro	85	241
ALL-IN-WONDER X800 GT	84	186
GeForce 8600M GT	84	58
GeForce 9200M GS	84	84
GeForce 999 GTX	84	138
Quadro FX 370	84	385
Radeon X1300 PRO	84	313
RADEON X800 GT	84	423
nForce 750a SLI	83	351
GeForce 9100	82	345
GeForce 9300 SE	82	344
MOBILITY FireGL V5000	82	223
Mobility Radeon X2500	82	235



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nForce 980a/780a SLI	82	367
Radeon HD 3200	82	227
RADEON X850 XT Platinum Edition	82	261
GeForce 8400	81	160
Mobility Radeon 4100	81	265
Quadro FX 540	81	294
Quadro NVS 420	81	271
Radeon HD 3450	81	32
RADEON X800 XT Platinum Edition	81	170
RADEON X850 XT	81	326
GeForce 7300 GS	80	64
RADEON X800GT	80	264
GeForce 8100 / nForce 720a	79	308
GeForce 9100M G	79	78
GeForce 8600M GS	78	74
Radeon HD 2350	77	262
RADEON X800 GTO	77	306
M860G with Mobility Radeon 4100	76	203
Quadro NVS 160M	76	46
Quadro NVS 295	76	83
RADEON X700 PRO	76	302
Radeon X1650 GTO	75	384
FireMV 2450	74	610
GeForce 7350 LE	74	281
Radeon 3100	74	228



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Mobility Radeon HD 4300 Serisi	73	216
RADEON X700	73	248
RADEON X800 PRO/GTO	73	181
RADEON X850 PRO	73	157
FireGL V7100	72	223
GeForce 8200M G	72	72
M880G with Mobility Radeon HD 4225	72	183
MEDION RADEON 9800 XXL	72	187
FireGL V3300	71	326
GeForce 9300 GS	71	118
Radeon X1650 SE	71	358
Radeon X550XTX	71	240
RADEON X700 SE	71	348
BASICDISPLAY	70	691
Diamond X1300-PCIE 256MB	70	286
GeForce 9400M G	70	82
FireGL V3350	69	336
GeForce 9300 GE	69	99
GeForce Go 6600	69	209
Quadro FX 3000	69	178
Quadro NVS 140M	69	146
Radeon X1600 Pro / X1300XT	69	285
RADEON X800 XL	69	271
GeForce 8400 SE	68	290
Intel B43 Express Chipset	68	188





Załącznik nr 1C do SWZ z dnia2021 r.

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Intel G41 Express Chipset	68	31
Intel G45/G43/G41 Express Chipset	68	318
Matrox G200eR WDDM 2.0	68	457
256MB RADEON X600	67	252
GeForce 8300 GS	67	314
GeForce G 105M	67	42
Intel G45/G43 Express Chipset	67	38
MOBILITY RADEON X700	67	200
Quadro NVS 135M	67	74
Radeon X1550	67	253
128MB DDR Radeon 9800 Pro	66	175
GeForce 7500 LE	66	108
GeForce Go 7400	66	112
Mobility Radeon HD 4225	66	174
Mobile Intel 965 Express	65	21
Quadro NVS 450	65	187
RADEON X800 PRO	65	190
GeForce 8400M GT	64	68
M71-M	64	141
Quadro FX 550	64	325
Intel HD manual-15.28-1861	63	72
Mobility Radeon HD 3410	63	130
128 DDR Radeon 9800 Pro	62	191
GeForce G 103M	62	41
MOBILITY FireGL V3200	62	238



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SAPPHIRE Radeon X1550	61	285
MOBILITY RADEON X700 XL	60	189
Radeon 2100	60	286
FireGL X1	59	167
GeForce 6800 XE	59	166
GeForce 8400M G	59	241
GeForce FX 5950 Ultra	59	274
Matrox G200e WDDM 1.2	59	505
RADEON 9800 PRO	59	153
Intel - Express Chipset Q45/Q43	58	336
RADEON 9800	58	191
Radeon X1300	58	237
Intel - Express Chipset G41	57	325
Intel G41 Express-Chipsatz	57	267
Intel Q45/Q43 Express-Chipsatz	57	352
RADEON 9800 XT	57	160
RADEON X600 256MB HyperMemory	57	210
GeForce 7300 LE	56	285
RADEON X550XT	56	224
RADEON 9700 PRO	54	149
FireGL V3100	53	275
GeForce 7300 SE/7200 GS	53	46
GeForce 7100 GS	52	133
GeForce Go 7300	52	114
Matrox G200eh WDDM 1.2	52	448



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RADEON E2400	52	287
Radeon Xpress 1300	52	266
FirePro 2450	51	482
GeForce 6600 LE	51	234
GeForce FX Go5700	51	171
Matrox G200eR WDDM 1.2	51	296
Mobile Intel 45 Express	51	43
Mobility Radeon HD 2300	51	211
RADEON X550	51	266
Matrox G200eW WDDM 1.2	50	397
MOBILITY RADEON X600	50	209
128MB RADEON X600 SE	49	229
Mobility Radeon X2300 HD	49	244
MOBILITY RADEON X600 SE	49	233
Radeon X1050	49	245
Radeon X1600	49	209
Mobility Radeon X2300	48	263
Quadro NVS 110M	48	236
Radeon X1550 64-bit	48	257
Quadro NVS 120M	47	274
SAPPHIRE RADEON 9600 ATLANTIS	47	149
FireMV 2250	46	290
GeForce 6200 TurboCache	46	78
MOBILITY RADEON 9800	46	110
GeForce Go 6600 TE/6200 TE	45	223



**WYNIK WYDAJNOŚCI – PASSMARK VIDEOCARD BENCHMARK**Dane ze strony: https://www.videocardbenchmark.net/GPU_mega_page.html

Aktualne na dzień 16 sierpnia 2021

GeForce Go 7200	45	199
Matrox G200eh WDDM 2.0	45	123
Mobile Intel 4 Express-Chipsatzfamilie	45	251
Mobile Intel serie 4 Express	45	232
MOBILITY FireGL V5200	45	248
Quadro FX 350M	45	132
128 DDR Radeon 9700 TX w/TV-Out	44	152
Mobility Radeon X1400	43	226
RADEON 9600 PRO	43	163
Radeon Xpress 1250	43	197
Matrox M9138 LP PCIe x16	42	160
RADEON 9500 PRO / 9700	42	157
GeForce FX 5700	41	173
GeForce FX 5900 Ultra	41	170
Gigabyte RADEON X300	41	209
Matrox G200eh	41	449
MOBILITY FIREGL T2	41	171
GeForce FX 5900XT	40	134
Matrox G200eW	40	107
Mobility Radeon X1300	40	222
Mobility Radeon X1350	40	274
Radeon Xpress 1300M	40	195
S3 Chrome 430 ULP	40	310
GeForce 7050 / nForce 620i	39	129
GeForce 7300 SE	39	251



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Aktualne na dzień 16 sierpnia 2021

GIGABYTE RADEON 9600 PRO	39	129
Mobile Intel - familia Express Chipset 45	39	264
MOBILITY RADEON 9600/9700	39	165
256MB DDR Radeon 9800 XT	38	192
GeForce 6500	38	300
Quadro NVS 285 128MB	38	313
Quadro NVS 440	38	358
RADEON X300SE	38	242
GeForce 6200SE TurboCache	37	146
Matrox G200eR	37	400
Radeon X1250	37	199
CONNECT 3D RADEON X300	36	191
FireMV 2200 PCIe	36	259
GeForce 7100 / nForce 630i	36	81
MOBILITY RADEON 9600	36	172
Quadro FX 1100	36	178
RADEON 9500	36	173
Radeon Xpress 1200	36	192
GeForce 6200	35	58
GeForce 7025 / nForce 630a	35	22
GeForce FX 5900	35	188
GeForce PCX 5750	35	310
Quadro NVS 285	35	334
RADEON 9550	35	145
RADEON 9600 XT	35	147



**WYNIK WYDAJNOŚCI – PASSMARK VIDEOCARD BENCHMARK**Dane ze strony: https://www.videocardbenchmark.net/GPU_mega_page.html

Aktualne na dzień 16 sierpnia 2021

GeForce 6150 LE	34	37
GeForce FX 5700 Ultra	34	126
GeForce PCX 5900	34	258
MOBILITY FIREGL T2/T2e	34	171
MOBILITY RADEON X300	34	204
Quadro FX 1000	34	266
Quadro FX 1300	34	276
Radeon Xpress 1100	34	187
GeForce 7150 / nForce 630i	33	254
GeForce FX 5700VE	33	161
GeForce FX 5900ZT	33	129
Intel Media Accelerator	33	78
Mobility Radeon X1450	33	205
Radeon X1200	33	169
GeForce 6200 A-LE	32	192
Red Hat QXL controller	32	270
FireGL T2-128	31	178
GeForce 6150SE nForce 430	31	26
GeForce 6200 LE	31	89
GeForce 7050 PV / nForce 630a	31	109
OpenXT Display Driver	31	485
Radeon X1270	31	169
All-in-Wonder X1800XL	30	283
MOBILITY RADEON 9550	30	166
Radeon Xpress 1150	30	192



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Aktualne na dzień 16 sierpnia 2021

RADEON XPRESS 200	30	188
Matrox M9128 LP PCIe x16	29	47
Radeon 9550 / X1050	29	150
GeForce 6100	27	44
GeForce 7050 / nForce 630i	27	281
MOBILITY FireGL V5250	27	252
MOBILITY RADEON 9700	27	158
MOBILITY RADEON XPRESS 200	27	176
RADEON 9600 PRO Family	27	148
RADEON 9600SE	27	143
Radeon Xpress 1270	27	191
GeForce 7100 / nForce 620i	26	229
Matrox M9125 PCIe x16	26	138
PHDGD Sapphire GR for Mobile Intel 965	26	243
GeForce 6100 nForce 400	25	242
GeForce 6100 nForce 420	25	234
GeForce 6150SE	25	266
GeForce FX 5700LE	25	147
MOBILITY RADEON 9600 PRO TURBO	25	137
RADEON 9600 Family	25	150
GeForce 7050 / nForce 610i	24	148
GeForce Go 6400	24	212
Intel G965 Express	24	44
Mobile Intel 965 Express-Chipsatzfamilie	24	203
Quadro NVS 210S	24	265



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RADEON 9800 SE	24	131
ALL-IN-WONDER 9800	23	139
GeForce 6100 nForce 430	23	249
GeForce 7200 GS	23	98
Matrox M9140 LP PCIe x16	23	390
RADEON A9800XT	23	145
RADEON XPRESS 200M	23	176
9xx Soldiers sans frontiers Sigma 2	22	253
GeForce 6100 nForce 405	22	211
GeForce 6150	22	250
Quadro NVS 210S / GeForce 6150LE	21	272
Matrox M9120 PCIe x16	20	870
PHDGD Solo 2 x64	20	183
GeForce Go 6150	19	92
Intel 82945G Express	19	16
QXL KMDOD	19	203
GeForce 7150M / nForce 630M	18	194
GeForce FX Go 5600	18	186
GeForce Go 6100	18	181
Mobile Intel965 Express	18	264
Quadro FX 2000	18	146
RADEON 9600 TX Family	18	138
RADEON XPRESS 200 CROSSFIRE	18	164
S3 Chrome S25 DDR2	18	252
GeForce FX 5600 Ultra	17	122



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Aktualne na dzień 16 sierpnia 2021

GeForce FX Go5650	17	211
GRID V100-8Q	16	149
GeForce Go 6200	15	204
NV44	15	251
Quadro FX 500/600 PCI	14	203
Radeon HD 2400 PCI	14	86
GeForce 7000M	13	239
GeForce 7000M / nForce 610M	13	188
GeForce FX 5600	13	168
GeForce FX Go5300	13	159
GeForce FX 5200 Ultra	12	138
GeForce FX 5200SE	12	194
FireMV 2400 PCIe	11	283
PHDGD Solo 1.2.0 x86	11	169
RGH Drivers v3	11	312
Familia Intel Q33 Express Chipset	10	168
Master X3100 Driver	10	79
Matrox M9148 LP PCIe x16	10	245
MOBILITY IGP 9000/9100	10	125
ASUS A7000	9	164
GeCube RADEON 7000	9	144
GeForce FX 5600XT	9	166
Matrox Parhelia 256MB	9	140
VIA Chrome9 HD IGP	9	59
ASUS V9520-X V62.11	8	208



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GeForce FX 5100	8	247
GeForce FX 5200	8	154
GeForce FX 5500	8	152
GeForce FX Go 5200	8	190
Intel 82945G Express-Chipsatzfamilie	8	240
Intel Q35 Embedded	8	303
Mobile Intel 965 Express - BR-0907-0461 v1839	8	124
MOBILITY RADEON 9000 IGP	8	143
Quadro FX 500/FX 600	8	151
Quadro NVS 280 PCI	8	261
Famille de jeu de puces Express Intel 946GZ	7	230
GeForce FX 5200LE	7	170
GeForce4 MX Integrated GPU	7	198
GeForce4 Ti 4400	7	170
GeForce4 Ti 4800 SE	7	187
Intel Media Accelerator 600	7	58
Intel US15 Embedded Media and Controller	7	67
Matrox Millennium P690 Plus LP PCIe x16	7	251
Quadro4 380 XGL	7	225
RADEON 8500 Family	7	146
64MB DDR GeForce3 Ti 200	6	218
ALL-IN-WONDER RADEON 8500DV	6	128
GeForce PCX 5300	6	197
GeForce2 Ultra	6	147
GeForce4 440 Go 64M	6	156



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Aktualne na dzień 16 sierpnia 2021

GeForce4 448 Go	6	199
GeForce4 Ti 4200	6	154
GeForce4 Ti 4600	6	173
GeForce4 Ti 4800	6	190
Intel 82915G Express	6	206
Intel Q33 Express	6	29
Matrox M9120 Plus LP PCIe x16	6	38
Matrox Parhelia APVe	6	275
Mobile Intel 945GM Express	6	223
MOBILITY RADEON 7000 IGP	6	151
MOBILITY RADEON 9000/9100 IGP	6	118
Quadro 280 NVS PCIe	6	185
Quadro NVS 55/280 PCI	6	116
RADEON 9100 Family	6	163
RADEON IGP 350M	6	136
V9560XT V62.11	6	86
VIA/S3G UniChromell	6	225
ALL-IN-WONDER 9000	5	103
ASUS AGP-V3800PRO v31.40H	5	149
GeForce 256	5	201
GeForce2 MX with DVI-D and TV-out	5	187
GeForce2 Ti	5	149
GeForce3	5	120
GeForce4 420 Go 32M	5	168
GeForce4 440	5	193



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Aktualne na dzień 16 sierpnia 2021

GeForce4 MX 4000	5	131
GeForce4 MX 420	5	168
GeForce4 MX 440	5	140
GeForce4 MX 440 with AGP8X	5	157
GeForce4 MX 440SE	5	159
Intel 82865G Controller	5	194
Intel 915G/915GV/910GL Embedded Controller Function	5	41
Intel 945G Embedded Chipset Function 0	5	251
Matrox Millennium P650 PCIe 128	5	287
Mobile Intel 945GM/GU Express	5	223
MOBILITY FIREGL 7800	5	86
Quadro2 MXR/EX	5	142
Quadro4 900 XGL	5	194
Quadro4 980 XGL	5	181
RADEON 7500 Family	5	125
RADEON 9000	5	126
RADEON 9100 IGP	5	128
SAPPHIRE RADEON 9000 ATLANTIS PRO	5	158
VIA/S3G UniChrome Pro IGP	5	164
WinFast A250 LE	5	197
Xabre	5	28
XGI Volari Family v1.13.23.D V	5	34
ABIT Siluro T400	4	151
Dell 8200	4	205



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GeForce 6200A	4	117
GeForce2 Go	4	95
GeForce2 GTS/GeForce2 Pro	4	136
GeForce2 Integrated GPU	4	171
GeForce2 MX/MX 400	4	129
GeForce3 Ti 200	4	140
GeForce4 4200 Go	4	173
GeForce4 440 Go	4	140
GeForce4 MX 460	4	176
Intel 82915G/915GV/910GL	4	95
Intel 865 Embedded Controller	4	20
Intel 915G,910G Express	4	166
Intel 946GZ Express	4	64
MOBILITY RADEON 7500	4	103
MOBILITY/RADEON 9000	4	153
RADEON 7000 / RADEON VE Family	4	107
RADEON 9000 Family	4	123
RADEON 9200	4	135
RADEON IGP 320	4	44
Radeon IGP 320M	4	101
RIVA TNT2 Model 64/Model 64 Pro	4	107
VIA Chrome9 HC IGP	4	167
VIA Chrome9 HC IGP Family	4	178
VIA Chrome9 HC IGP Family WDDM	4	165
VIA/S3G KM400/KN400	4	124



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VIA/S3G UniChrome IGP	4	164
64MB GeForce2 MX with TV Out	3	98
AMIGAMERLIN 3.1-R1 For Voodoo 4 4500 PCI	3	110
GeForce2 MX	3	143
GeForce2 MX 100/200	3	119
GeForce3 Ti 500	3	116
GeForce4 420 Go	3	147
Intel 82845G/GL Controller	3	176
Intel 82845G/GL/GE/PE/GV Controller	3	159
Intel 82915G/GV/910GL Advanced v3.5	3	94
Intel 82915G/GV/910GL Express	3	142
Intel 946GZ Embedded Chipset Function 0	3	66
Intel GMA 3150 Express	3	66
Intel Media Accelerator 3150	3	86
Intel Media Accelerator 500	3	71
Matrox Parhelia 128MB	3	107
MOBILITY RADEON 9000	3	111
MOBILITY RADEON 9100 IGP	3	128
MOBILITY RADEON 9200	3	145
Radeon 7000 / Radeon VE	3	99
RADEON 7200	3	94
RADEON 7500	3	35
RADEON 9200 LE Family	3	128
RADEON 9200 PRO Family	3	135
RADEON 9200 SE	3	129



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RADEON 9250	3	127
Radeon IGP 340M	3	102
RADEON IGP 345M	3	82
Rage Fury Pro/Xpert 2000 Pro	3	53
RIVA TNT2/TNT2 Pro	3	71
S3 Inc. Savage4	3	21
Vanta/Vanta LT	3	91
VIA Chrome9 HC IGP WDDM	3	144
VIA Chrome9 HC IGP WDDM 1.1	3	147
VIA Chrome9 HC3 IGP	3	157
VIA/S3G DeltaChrome IGP	3	125
Dell 8100	2	58
Intel 82845G Controller	2	132
Intel Extreme Controller	2	136
Mobile Intel 915GM/GMS/910GML Express	2	53
Mobile Intel 945 Express	2	10
Quadro NVS 280 SD	2	119
RADEON IGP 34xM	2	89
Radeon VE	2	36
S3 SuperSavage/IXC 1014	2	147
VIA Chrome9 HC IGP Prerelease WDDM 1.1	2	100
VIA Chrome9 HCM IGP	2	94
VisionTek Radeon 7000	2	117
FireMV 2200 PCI	1	153
IGP 340M	1	39





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Intel 82852/82855 GM/GME Controller	1	107
Quadro2 Pro	1	143
Rage 128 Pro	1	40
RAGE 128 PRO AGP 4X TMDS	1	142
S3 ProSavageDDR	1	41

