

Sheet1

WINDOWS BENCHMARK TESTS

Higher scores represent better performance

TEXT-INTENSIVE APPLICATIONS (800-by-600 Resolution, 16 Colors)

	Memory-to-Screen BitBlt Source Copy (pixels per second)
Diamond Stealth VRAM	2044660.00
Genoa WindowsVGA	2030978.00
CSS Maxgraphics/16	2130477.00
Actix GraphicsEngine Display Accelerator	2118683.00
Orchid Fahrenheit 1280o	2045471.00
Pixel Turbo Windows Accelerator	1998722.00
Portacom Eclipse II	1579387.00
ATI Graphics Vantage	765773.00
ATI Graphics Ultra	877774.00
Artist Graphics WinSprint 100	1367835.00
* ATI VGAWonder XL Plus	1280080.00
Hornet Rapix I	877774.00
* Number Nine 9GXi Graphix Coprocessor	3925816.00
Glad UltraView	572831.00
STB Wind/X	N/A

GRAPHICS-INTENSIVE APPLICATIONS (800-BY-600 RESOLUTION, 16 COLORS)

	Memory-to-Screen BitBlt Pattern Copy (pixels per second)
Portacom Eclipse II	5133008.00
Diamond Stealth VRAM	5071192.00
Genoa WindowsVGA	5102551.00
CSS Maxgraphics/16	5133008.00
Orchid Fahrenheit 1280o	5121799.00
Pixel Turbo Windows Accelerator	5035005.00
Actix GraphicsEngine Display Accelerator	5096503.00
ATI Graphics Vantage	5133008.00
ATI Graphics Ultra	2619802.00
* Number Nine 9GXi Graphix Coprocessor	1605644.00
Artist Graphics WinSprint 100	2833359.00
Hornet Rapix I	2619802.00
* ATI VGAWonder XL Plus	2758439.00
Glad UltraView	1644938.00
STB Wind/X	N/A

TEXT-INTENSIVE APPLICATIONS (800-by-600 Resolution, 256 Colors)

Memory-to-Screen

	BitBlt Source Copy (pixels per second)
ATI Graphics Ultra	1675648.00
Diamond Stealth VRAM	1578131.00
Portacom Eclipse II	1595502.00
Genoa WindowsVGA	1445209.00
* Number Nine 9GXi Graphix Coprocessor	1383462.00
CSS Maxgraphics/16	1569705.00
ATI Graphics Vantage	1650802.00
Actix GraphicsEngine Display Accelerator	1552210.00
Orchid Fahrenheit 1280o	1447150.00
STB Wind/X	1581590.00
Pixel Turbo Windows Accelerator	1425808.00
Artist Graphics WinSprint 100	2368610.00
* ATI VGAWonder XL Plus (with Panacea WinSpeed)	2406866.00
* ATI VGAWonder XL Plus	2395619.00
Glad UltraView	N/A
Hornet Rapix I	N/A

GRAPHICS INTENSIVE APPLICATIONS (800-BY-600 RESOLUTION, 256 COLORS)

	Memory-to-Screen BitBlt Pattern Copy (pixels per second)
ATI Graphics Ultra	5147346.00
Diamond Stealth VRAM	5127907.00
Portacom Eclipse II	5138120.00
Genoa WindowsVGA	5066135.00
CSS Maxgraphics/16	5148374.00
Actix GraphicsEngine Display Accelerator	5143242.00
Orchid Fahrenheit 1280o	5118750.00
Pixel Turbo Windows Accelerator	5061507.00
ATI Graphics Vantage	5190291.00
STB Wind/X	5164708.00
* Number Nine 9GXi Graphix Coprocessor	1587902.00
Artist Graphics WinSprint 100	4203777.00
* ATI VGAWonder XL Plus (with Panacea WinSpeed)	2402636.00
* ATI VGAWonder XL Plus	2054021.00
Glad UltraView	N/A
Hornet Rapix I	N/A

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Memory-to-Screen BitBlt Source Invert (pixels per second)	Memory-to-Screen BitBlt Pattern Copy (pixels per second)	Memory-to-Screen BitBlt Pattern Invert (pixels per second)	Memory-to-Screen BitBlt Destination Invert (pixels per second)	Memory-to-Screen BitBlt Whiteness (pixels per second)
2045065.00	5071192.00	5071192.00	15204469.00	15359785.00
2032578.00	5102551.00	5163690.00	15472911.00	15676481.00
2131749.00	5133008.00	5146320.00	15796620.00	16056337.00
2119941.00	5096503.00	5105581.00	15549151.00	15781780.00
2023809.00	5121799.00	5124851.00	15479100.00	15860140.00
1978792.00	5035005.00	4983994.00	15028099.00	15046089.00
1579387.00	5133008.00	5137097.00	11989030.00	15734390.00
757009.00	5133008.00	5134030.00	11016257.00	16345742.00
1010913.00	2619802.00	478770.00	4753293.00	4750449.00
763122.00	2833359.00	677432.00	5363514.00	4298838.00
735954.00	2758439.00	668933.00	3962660.00	3836674.00
1010913.00	2619802.00	478770.00	4753293.00	4750449.00
1306603.00	1605644.00	1571140.00	14513037.00	15609762.00
572934.00	1644938.00	1664317.00	2673257.00	1665315.00
N/A	N/A	N/A	N/A	N/A

Memory-to-Screen BitBlt Pattern Invert (pixels per second)	Memory-to-Screen BitBlt Destination Invert (pixels per second)	Memory-to-Screen BitBlt Whiteness (pixels per second)	Line Draws Single Horizontal (pixels per second)	Line Draws Single Vertical (pixels per second)
5137097.00	11989030.00	15734390.00	4133623.00	4197463.00
5071192.00	15204469.00	15359785.00	4174438.00	4197463.00
5163690.00	15472911.00	15676481.00	4113514.00	4126152.00
5146320.00	15796620.00	16056337.00	4078971.00	4124661.00
5124851.00	15479100.00	15860140.00	4103163.00	4072422.00
4983994.00	15028099.00	15046089.00	4172912.00	4194378.00
5105581.00	15549151.00	15781780.00	4113514.00	4097272.00
5134030.00	11016257.00	16345742.00	3602537.00	3869492.00
478770.00	4753293.00	4750449.00	3639755.00	3870804.00
1571140.00	14513037.00	15609762.00	3669946.00	3179843.00
677432.00	5363514.00	4298838.00	2639612.00	1326477.00
478770.00	4753293.00	4750449.00	2667835.00	930773.00
668933.00	3962660.00	3836674.00	1945628.00	828435.00
1664317.00	2673257.00	1665315.00	1591163.00	863497.00
N/A	N/A	N/A	N/A	N/A

Memory-to-Screen Memory-to-Screen Memory-to-Screen BitBlt Memory-to-Screen

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BitBlt Source Invert (pixels per second)	BitBlt Pattern Copy (pixels per second)	BitBlt Pattern Invert (pixels per second)	Destination Invert (pixels per second)	BitBlt Whiteness (pixels per second)
1653422.00	5147346.00	5157637.00	15819334.00	16094826.00
1595807.00	5127907.00	5133008.00	12067905.00	15869652.00
1579073.00	5138120.00	5145293.00	11733346.00	15945813.00
1445486.00	5066135.00	5134030.00	11108756.00	15667105.00
1073947.00	1587902.00	1587902.00	10055117.00	15344480.00
1570326.00	5148374.00	5152487.00	9502793.00	15863309.00
1485053.00	5190291.00	5185154.00	11005348.00	16278641.00
1552210.00	5143242.00	5155576.00	9340686.00	15856972.00
1447428.00	5118750.00	5121799.00	9316531.00	15780839.00
1582536.00	5164708.00	5164708.00	8600815.00	16177343.00
1424850.00	5061507.00	5119289.00	8629982.00	15766186.00
538430.00	4203777.00	250173.00	3696849.00	4244920.00
1122878.00	2402636.00	1071255.00	1144904.00	2735086.00
112916.00	2054021.00	927878.00	616304.00	2564656.00
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A

Memory-to-Screen BitBlt Pattern Invert (pixels per second)	Memory-to-Screen BitBlt Destination Invert (pixels per second)	Memory-to-Screen BitBlt Whiteness (pixels per second)	Line Draws Single Horizontal (pixels per second)	Line Draws Single Vertical (pixels per second)
5157637.00	15819334.00	16094826.00	3591656.00	3798922.00
5133008.00	12067905.00	15869652.00	3917968.00	4001753.00
5145293.00	11733346.00	15945813.00	3960104.00	3940283.00
5134030.00	11108756.00	15667105.00	4173675.00	4162261.00
5152487.00	9502793.00	15863309.00	4113514.00	4158470.00
5155576.00	9340686.00	15856972.00	4128391.00	4192837.00
5121799.00	9316531.00	15780839.00	4156956.00	4196691.00
5119289.00	8629982.00	15766186.00	4155442.00	4135120.00
5185154.00	11005348.00	16278641.00	3605951.00	3901230.00
5164708.00	8600815.00	16177343.00	4115738.00	4091398.00
1587902.00	10055117.00	15344480.00	3697765.00	3692741.00
250173.00	3696849.00	4244920.00	1522000.00	974018.00
817891.00	1144904.00	2735086.00	1547377.00	623873.00
927878.00	616304.00	2564656.00	408087.00	442288.00
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A

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Scroll System Font (characters per second)	Scroll TmsRmn 21-Point Font (characters per second)	Scroll TmsRmn 27-Point Font (characters per second)	Scroll Helvetica 20-Point Font (characters per second)
79833.00	61152.00	45292.00	63769.00
77505.00	57692.00	41487.00	60870.00
73504.00	50436.00	36127.00	54720.00
72128.00	47900.00	34043.00	51938.00
72153.00	48006.00	34089.00	52484.00
70340.00	46695.00	33069.00	50780.00
62411.00	42539.00	29283	46458.00
45969.00	31144	21398	33400.00
73427.00	49112.00	35556.00	53222.00
28490	18695	14628	20305
27137	17657	14124	19732
21354	13735	9718	15463
77505.00	61309.00	43463.00	61404.00
6979	7921	4271	7462
N/A	N/A	N/A	N/A

Line Draws Single Diagonal (pixels per second)	Line Draws Poly Horizontal (pixels per second)	Line Draws Poly Vertical (pixels per second)	Line Draws Poly Diagonal (pixels per second)
4112772.00	14025065.00	8388879.00	9923621.00
4112772.00	14609330.00	6390295.00	7886010.00
4090665.00	13181293.00	5701308.00	7164376.00
4101689.00	11495468.00	4873276.00	6110487.00
3999650.00	11482459.00	4167331.00	5348796.00
4109071.00	10809659.00	4545455.00	5634950.00
4010892.00	11504157.00	4171486.00	5286558.00
3878695.00	8735412.00	3770728.00	4833280.00
3878036.00	13356084.00	6222487.00	7744233.00
2376269.00	30348953.00	2779451.00	2811749.00
312963.00	6886878.00	1331297.00	340203.00
775344.00	3069373.00	666497.00	822169.00
224418.00	3922007.00	729876.00	240800.00
602438.00	2716402.00	709115.00	723315.00
N/A	N/A	N/A	N/A

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Scroll System Font (characters per second)	Scroll TmsRmn 21-Point Font (characters per second)	Scroll TmsRmn 27-Point Font (characters per second)	Scroll Helvetica 20-Point Font (characters per second)
73209.00	49084.00	35549.00	53121.00
62690.00	43515.00	29646	47474.00
62467.00	42532.00	29043	46030.00
60034.00	39672.00	26959	43597.00
65703.00	50811.00	34447.00	52025.00
52910.00	34261.00	23095	37812.00
45849.00	30983	21307	32558
50725.00	32943.00	22292	36293.00
50928.00	33079.00	22334	36441.00
49391.00	31539	21194	34820.00
49707.00	31444	21490	34750.00
14577	10501	6888	10734
8434	5189	3484	5770
6756	4505	3073	4980
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Line Draws Single Diagonal (pixels per second)	Line Draws Poly Horizontal (pixels per second)	Line Draws Poly Vertical (pixels per second)	Line Draws Poly Diagonal (pixels per second)
3801199.00	13327496.00	6211401.00	7740295.00
3946413.00	14240269.00	8605119.00	10193264.00
3913267.00	14035411.00	8390374.00	9927320.00
4106854.00	13168621.00	7857277.00	9304803.00
4112772.00	11467320.00	6765847.00	7967196.00
4105377.00	11341282.00	5971456.00	7098881.00
4112032.00	11353972.00	5915174.00	7187382.00
4150155.00	10480031.00	6155355.00	7327171.00
3797405.00	8705434.00	3772088.00	4821033.00
4028587.00	10406329.00	6201581.00	7282297.00
2401767.00	21034551.00	4041731.00	2882030.00
337412.00	2129863.00	1010628.00	384518.00
338734.00	2264207.00	550353.00	386510.00
181001.00	471266.00	356656.00	193945.00
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Scroll Helvetica 24-Point Font (characters per second)	Weighted Performance Index
55729.00	348
50698.00	343
43935.00	333
41826.00	326
41818.00	324
40751.00	315
36071.00	292
26316	249
42632.00	169
15975	108
15336	100
11668	92
50356.00	76
7456	69
N/A	N/A

Random Rectangles (pixels per second)	Weighted Performance Index
7926126.00	581
10950388.00	548
10485162.00	528
9708740.00	496
9599261.00	472
9362110.00	472
9664014.00	470
13381146.00	460
17614318.00	408
15823782.00	362
6452821.00	123
4235498.00	110
5760909.00	100
1014264.00	90
N/A	N/A

Scroll Helvetica 24-Point Font (characters per second)	Weighted Performance Index
42975.00	995
36989.00	868
36078.00	854
33613.00	808
41697.00	777
28687	747
26196	734
27832	731
27934	721
26554	711
26687	696
7846	245
4387	209
3821	100
N/A	N/A
N/A	N/A

Random Rectangles (pixels per second)	Weighted Performance Index
17948540.00	1198
7917579.00	1123
7845665.00	1104
7551150.00	1057
6799415.00	950
6678807.00	911
6669706.00	911
6397533.00	892
13059827.00	891
6390109.00	891
13136939.00	867
2752994.00	217
2976783.00	150
2695387.00	100
N/A	N/A
N/A	N/A