

WINDOWS BENCHMARK TESTS

Higher scores represent better performance

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

Diamond Stealth VRAM
Genoa WindowsVGA
CSS Maxgraphics/16
Actix GraphicsEngine Display Accelerator
Orchid Fahrenheit 1280o
Pixel Turbo Windows Accelerator
Portacom Eclipse II
ATI Graphics Vantage
ATI Graphics Ultra
Artist Graphics WinSprint 100
* ATI VGAWonder XL Plus
Hornet Rapix I
* Number Nine 9GXi Graphix Coprocessor
Glad UltraView
STB Wind/X

GRAPHICS-INTENSIVE APPLICATIONS (800-BY-600 RESOLUTION, 16 C

Portacom Eclipse II
Diamond Stealth VRAM
Genoa WindowsVGA
CSS Maxgraphics/16
Orchid Fahrenheit 1280o
Pixel Turbo Windows Accelerator
Actix GraphicsEngine Display Accelerator
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ATI Graphics Ultra
* Number Nine 9GXi Graphix Coprocessor

Artist Graphics WinSprint 100
Hornet Rapix I
* ATI VGAWonder XL Plus
Glad UltraView
STB Wind/X

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

ATI Graphics Ultra
Diamond Stealth VRAM
Portacom Eclipse II
Genoa WindowsVGA
* Number Nine 9GX_i Graphix Coprocessor
CSS Maxgraphics/16
ATI Graphics Vantage
Actix GraphicsEngine Display Accelerator
Orchid Fahrenheit 1280o
STB Wind/X
Pixel Turbo Windows Accelerator
Artist Graphics WinSprint 100
* ATI VGAWonder XL Plus
(with Panacea WinSpeed)
* ATI VGAWonder XL Plus
Glad UltraView
Hornet Rapix I

GRAPHICS INTENSIVE APPLICATIONS (800-BY-600 RESOLUTION, 256 C

ATI Graphics Ultra
Diamond Stealth VRAM
Portacom Eclipse II
Genoa WindowsVGA

CSS Maxgraphics/16
Actix GraphicsEngine Display Accelerator
Orchid Fahrenheit 1280o
Pixel Turbo Windows Accelerator
ATI Graphics Vantage
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* Number Nine 9GXi Graphix Coprocessor
Artist Graphics WinSprint 100
* ATI VGAWonder XL Plus
(with Panacea WinSpeed)
* ATI VGAWonder XL Plus
Glad UltraView
Hornet Rapix I

Memory-to-Screen
BitBlt
Source Copy
(pixels per second)

Memory-to-Screen
BitBlt
Source Invert
(pixels per second)

2044660	2045065
2030978	2032578
2130477	2131749
2118683	2119941
2045471	2023809
1998722	1978792
1579387	1579387
765773	757009
877774	1010913
1367835	763122
1280080	735954
877774	1010913
3925816	1306603
572831	572934

N/A

N/A

DLORS)

Memory-to-Screen
BitBlt
Pattern Copy
(pixels per second)

Memory-to-Screen
BitBlt
Pattern Invert
(pixels per second)

5133008	5137097
5071192	5071192
5102551	5163690
5133008	5146320
5121799	5124851
5035005	4983994
5096503	5105581
5133008	5134030
2619802	478770
1605644	1571140

	2833359	677432
	2619802	478770
	2758439	668933
	1644938	1664317
N/A	N/A	

Memory-to-Screen BitBlt Source Copy (pixels per second)	Memory-to-Screen BitBlt Source Invert (pixels per second)	
	1675648	1653422
	1578131	1595807
	1595502	1579073
	1445209	1445486
	1383462	1073947
	1569705	1570326
	1650802	1485053
	1552210	1552210
	1447150	1447428
	1581590	1582536
	1425808	1424850
	2368610	538430
	2406866	1122878
	2395619	112916
N/A	N/A	
N/A	N/A	

COLORS)

Memory-to-Screen BitBlt Pattern Copy (pixels per second)	Memory-to-Screen BitBlt Pattern Invert (pixels per second)	
	5147346	5157637
	5127907	5133008
	5138120	5145293
	5066135	5134030

5148374	5152487
5143242	5155576
5118750	5121799
5061507	5119289
5190291	5185154
5164708	5164708
1587902	1587902
4203777	250173
2402636	817891
2054021	927878

N/A
N/A

N/A
N/A

Memory-to-Screen
BitBlt
Pattern Copy
(pixels per second)

Memory-to-Screen
BitBlt
Pattern Invert
(pixels per second)

5071192	5071192
5102551	5163690
5133008	5146320
5096503	5105581
5121799	5124851
5035005	4983994
5133008	5137097
5133008	5134030
2619802	478770
2833359	677432
2758439	668933
2619802	478770
1605644	1571140
1644938	1664317

N/A

N/A

Memory-to-Screen
BitBlt
Destination Invert
(pixels per second)

Memory-to-Screen
BitBlt
Whiteness
(pixels per second)

11989030	15734390
15204469	15359785
15472911	15676481
15796620	16056337
15479100	15860140
15028099	15046089
15549151	15781780
11016257	16345742
4753293	4750449
14513037	15609762

	5363514	4298838
	4753293	4750449
	3962660	3836674
	2673257	1665315
N/A	N/A	

Memory-to-Screen BitBlt Pattern Copy (pixels per second)	Memory-to-Screen BitBlt Pattern Invert (pixels per second)	
	5147346	5157637
	5127907	5133008
	5138120	5145293
	5066135	5134030
	1587902	1587902
	5148374	5152487
	5190291	5185154
	5143242	5155576
	5118750	5121799
	5164708	5164708
	5061507	5119289
	4203777	250173
	2402636	1071255
	2054021	927878
N/A	N/A	
N/A	N/A	

Memory-to-Screen BitBlt Destination Invert (pixels per second)	Memory-to-Screen BitBlt Whiteness (pixels per second)	
	15819334	16094826
	12067905	15869652
	11733346	15945813
	11108756	15667105

9502793	15863309
9340686	15856972
9316531	15780839
8629982	15766186
11005348	16278641
8600815	16177343
10055117	15344480
3696849	4244920
1144904	2735086
616304	2564656

N/A
N/A

N/A
N/A

Memory-to-Screen
BitBlt
Destination Invert
(pixels per second)

Memory-to-Screen
BitBlt
Whiteness
(pixels per second)

15204469	15359785
15472911	15676481
15796620	16056337
15549151	15781780
15479100	15860140
15028099	15046089
11989030	15734390
11016257	16345742
4753293	4750449
5363514	4298838
3962660	3836674
4753293	4750449
14513037	15609762
2673257	1665315

N/A

N/A

Line Draws
Single Horizontal
(pixels per second)

Line Draws
Single Vertical
(pixels per second)

4133623	4197463
4174438	4197463
4113514	4126152
4078971	4124661
4103163	4072422
4172912	4194378
4113514	4097272
3602537	3869492
3639755	3870804
3669946	3179843

	2639612	1326477
	2667835	930773
	1945628	828435
	1591163	863497
N/A	N/A	

BitBlt Destination Invert (pixels per second)	Memory-to-Screen BitBlt Whiteness (pixels per second)	
	15819334	16094826
	12067905	15869652
	11733346	15945813
	11108756	15667105
	10055117	15344480
	9502793	15863309
	11005348	16278641
	9340686	15856972
	9316531	15780839
	8600815	16177343
	8629982	15766186
	3696849	4244920
	1144904	2735086
	616304	2564656
N/A	N/A	
N/A	N/A	

Line Draws Single Horizontal (pixels per second)	Line Draws Single Vertical (pixels per second)	
	3591656	3798922
	3917968	4001753
	3960104	3940283
	4173675	4162261

4113514	4158470
4128391	4192837
4156956	4196691
4155442	4135120
3605951	3901230
4115738	4091398
3697765	3692741
1522000	974018
1547377	623873
408087	442288

N/A
N/A

N/A
N/A

Scroll System Font (characters per second)	Scroll TmsRmn 21-Point Font (characters per second)	
	79833	61152
	77505	57692
	73504	50436
	72128	47900
	72153	48006
	70340	46695
	62411	42539
	45969	31144
	73427	49112
	28490	18695
	27137	17657
	21354	13735
	77505	61309
	6979	7921
N/A	N/A	

Line Draws Single Diagonal (pixels per second)	Line Draws Poly Horizontal (pixels per second)	
	4112772	14025065
	4112772	14609330
	4090665	13181293
	4101689	11495468
	3999650	11482459
	4109071	10809659
	4010892	11504157
	3878695	8735412
	3878036	13356084
	2376269	30348953

	312963	6886878
	775344	3069373
	224418	3922007
	602438	2716402
N/A	N/A	

Scroll System Font (characters per second)	Scroll TmsRmn 21-Point Font (characters per second)	
	73209	49084
	62690	43515
	62467	42532
	60034	39672
	65703	50811
	52910	34261
	45849	30983
	50725	32943
	50928	33079
	49391	31539
	49707	31444
	14577	10501
	8434	5189
	6756	4505
N/A	N/A	
N/A	N/A	

Line Draws Single Diagonal (pixels per second)	Line Draws Poly Horizontal (pixels per second)	
	3801199	13327496
	3946413	14240269
	3913267	14035411
	4106854	13168621

4112772	11467320
4105377	11341282
4112032	11353972
4150155	10480031
3797405	8705434
4028587	10406329
2401767	21034551
337412	2129863
338734	2264207

181001	471266
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N/A

N/A

N/A

N/A

Scroll TmsRmn
27-Point Font
(characters per second)

Scroll Helvetica
20-Point Font
(characters per second)

45292	63769
41487	60870
36127	54720
34043	51938
34089	52484
33069	50780
29283	46458
21398	33400
35556	53222
14628	20305
14124	19732
9718	15463
43463	61404
4271	7462

N/A

N/A

Line Draws
Poly Vertical
(pixels per second)

Line Draws
Poly Diagonal
(pixels per second)

8388879	9923621
6390295	7886010
5701308	7164376
4873276	6110487
4167331	5348796
4545455	5634950
4171486	5286558
3770728	4833280
6222487	7744233
2779451	2811749

	1331297	340203
	666497	822169
	729876	240800
	709115	723315
N/A	N/A	

Scroll TmsRmn 27-Point Font (characters per second)	Scroll Helvetica 20-Point Font (characters per second)	
	35549	53121
	29646	47474
	29043	46030
	26959	43597
	34447	52025
	23095	37812
	21307	32558
	22292	36293
	22334	36441
	21194	34820
	21490	34750
	6888	10734
	3484	5770
	3073	4980
N/A	N/A	
N/A	N/A	

Line Draws Poly Vertical (pixels per second)	Line Draws Poly Diagonal (pixels per second)	
	6211401	7740295
	8605119	10193264
	8390374	9927320
	7857277	9304803

6765847	7967196
5971456	7098881
5915174	7187382
6155355	7327171
3772088	4821033
6201581	7282297
4041731	2882030
1010628	384518
550353	386510

356656	193945
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N/A

N/A

N/A

N/A

Scroll Helvetica
24-Point Font
(characters per second)

Weighted
Performance
Index

55729	348
50698	343
43935	333
41826	326
41818	324
40751	315
36071	292
26316	249
42632	169
15975	108
15336	100
11668	92
50356	76
7456	69

N/A

N/A

Random Rectangles
(pixels per second)

Weighted
Performance
Index

7926126	581
10950388	548
10485162	528
9708740	496
9599261	472
9362110	472
9664014	470
13381146	460
17614318	408
15823782	362

	6452821	123
	4235498	110
	5760909	100
	1014264	90
N/A	N/A	

Scroll Helvetica 24-Point Font (characters per second)	Weighted Performance Index	
	42975	995
	36989	868
	36078	854
	33613	808
	41697	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	1198
	7917579	1123
	7845665	1104
	7551150	1057

6799415	950
6678807	911
6669706	911
6397533	892
13059827	891
6390109	891
13136939	867
2752994	217
2976783	150
2695387	100

N/A
N/A

N/A
N/A