

3dfx Voodoo5 5500 PCI

Unreal Tournament 99 [451] - Timedemo Benchmark

Glide												
Resolution	640x480_16bit			800x600_16bit			1024x768_16bit			1280x1024_16bit		
Driver	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1.00.01	AGP only!											
1.01.00	72,86	254,60	136,51	73,88	190,18	117,56	61,23	138,84	90,02	35,47	92,11	60,57
1.01.03b	78,67	217,76	137,08	76,72	178,38	118,09	53,86	137,33	90,01	34,33	89,02	60,47
1.03.00	70,13	227,89	136,50	76,45	178,48	117,65	55,48	135,78	90,06	35,43	89,96	60,51
1.04.00	69,60	228,75	136,18	68,24	177,08	117,19	53,43	133,69	89,71	33,85	94,04	60,12
1.04.01b	69,25	225,66	136,33	69,24	177,50	117,10	53,32	133,46	89,66	38,57	89,89	60,10
AmigaMerlin 2.9	76,49	223,19	135,41	74,62	180,18	115,68	50,93	132,01	89,03	33,77	90,10	59,81
	X̄ =		136	X̄ =		117	X̄ =		90	X̄ =		60

Direct3D												
Resolution	640x480_16bit			800x600_16bit			1024x768_16bit			1280x1024_16bit		
Driver	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1.00.01	AGP only!											
1.01.00	68,36	283,17	129,79	68,54	235,74	124,56	68,40	192,51	119,53	51,69	126,89	89,67
1.01.03b	72,45	236,61	128,85	25,92	233,13	124,10	65,85	189,10	118,53	19,88	127,39	89,67
1.03.00	72,90	233,51	128,39	71,55	226,35	124,10	65,35	190,56	117,86	50,54	125,53	88,78
1.04.00	73,29	232,29	128,07	71,79	224,62	123,91	64,39	191,63	118,08	51,85	125,27	88,91
1.04.01b	71,68	234,84	128,49	68,96	226,40	124,31	32,97	186,15	118,34	18,99	125,72	88,86
AmigaMerlin 2.9	68,85	243,44	127,96	22,90	233,21	124,11	18,90	183,86	118,42	51,95	125,27	89,00
	X̄ =		129	X̄ =		124	X̄ =		118	X̄ =		89

OpenGL												
Resolution	640x480_16bit			800x600_16bit			1024x768_16bit			1280x1024_16bit		
Driver	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1.00.01	AGP only!											
1.01.00	15,94	63,58	34,14	15,30	53,33	27,82	12,93	40,48	21,21	8,77	25,79	14,70
1.01.03b	46,96	203,71	87,41	40,15	149,73	81,68	40,35	112,48	73,11	32,59	74,08	49,61
1.03.00	41,66	215,12	88,61	42,18	155,40	84,06	45,55	118,08	73,44	34,35	76,90	50,15
1.04.00	44,34	215,88	88,52	44,55	184,68	86,32	42,88	138,37	80,19	34,84	87,85	53,29
1.04.01b	46,87	224,73	87,59	45,73	175,78	84,97	41,80	132,95	79,84	33,85	87,19	53,23
AmigaMerlin 2.9	42,98	215,98	89,26	44,26	181,71	85,84	43,70	134,51	80,44	33,65	83,58	54,41
	X̄ =		79	X̄ =		75	X̄ =		68	X̄ =		46

Note: [framerate results] = fps (frames per second)!

Driver	Final Reality	
	Bus transfer rate	
	2D transfer	3D transfer
	Mbytes/s	Mbytes/s
1.00.01	AGP only!	
1.01.00	103,45	118,12
1.01.03b	106,87	116,78
1.03.00	106,07	115,56
1.04.00	107,10	116,63
1.04.01b	102,36	115,67
AmigaMerlin 2.9	109,15	116,51
X̄ =	106	117

System:	
CPU	AMD Athlon XP 2400+ default @ 2GHz
Mobo	EPoX EP 8K7A+, REV:1.0
Ram	512MiB DDR266 Infineon 2-2-2-2
Sound	Soundblaster PCI512 CT4790
HDD	WD800 IDE
OS	Win98SE Service Pack 2.1d
PCI 1	Soundblaster
PCI 5	Voodoo 5 PCI



Colored textures at the bottom!

Colored textures at the bottom!

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Extremely flickering texture glitches!

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3dfx Voodoo5 5500 AGP

Unreal Tournament 99 [451]- Timedemo Benchmark

Glide													
Resolution	640x480_16bit			800x600_16bit			1024x768_16bit			1280x1024_16bit			
Driver	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	
1.00.01	82,68	221,60	144,99	81,93	177,72	120,18	54,97	134,85	90,21	37,79	87,89	60,31	
1.01.00	80,31	223,44	145,15	79,25	178,11	120,42	53,88	133,21	90,12	32,52	89,87	60,26	
1.01.03b	82,30	233,64	145,08	79,40	178,28	120,48	54,40	133,21	90,21	33,58	89,38	60,29	
1.03.00	81,96	220,31	145,06	80,31	178,19	120,49	53,83	133,26	90,26	34,48	88,27	60,33	
1.04.00	79,07	224,21	145,07	80,98	178,17	120,20	54,37	133,25	90,21	39,53	88,29	60,37	
1.04.01b	79,88	224,10	145,15	74,95	178,20	120,80	54,25	134,61	90,29	37,57	87,73	60,39	
AmigaMerlin 2.9	84,94	243,78	146,08	79,90	181,14	120,53	55,44	134,58	90,21	32,53	91,95	60,31	
	X̄ =		145		X̄ =		120		X̄ =	90		X̄ =	60

Direct3D															
Resolution	640x480_16bit			800x600_16bit			1024x768_16bit			1280x1024_16bit					
Driver	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg			
1.00.01	82,51	253,53	140,13	73,10	239,85	137,74	73,25	195,30	126,32	38,91	125,72	89,38			
1.01.00	80,69	253,42	140,16	73,33	241,79	137,73	69,84	193,78	126,39	38,84	125,69	89,32			
1.01.03b	84,98	253,37	140,43	78,04	244,54	137,34	77,34	199,67	126,42	50,22	126,38	89,72			
1.03.00	76,72	251,35	139,62	76,48	245,13	134,70	77,40	198,16	126,43	35,92	125,65	89,53			
1.04.00	76,82	252,40	139,66	76,47	242,90	137,48	48,91	189,51	126,28	37,61	125,25	89,43			
1.04.01b	81,53	241,99	139,89	76,06	246,46	134,95	70,55	194,64	125,61	54,35	124,96	89,48			
AmigaMerlin 2.9	78,59	251,84	139,68	72,62	244,10	134,52	73,63	191,64	125,33	56,95	125,08	89,60			
	x̄ =		140		x̄ =		136		x̄ =		126		x̄ =		89

OpenGL												
Resolution	640x480_16bit			800x600_16bit			1024x768_16bit			1280x1024_16bit		
Driver	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
1.00.01	17,95	62,30	34,59	17,32	45,87	28,18	13,77	34,71	21,32	9,53	22,26	14,71
1.01.00	18,48	61,67	34,49	16,54	47,84	28,10	14,13	33,57	21,28	9,35	22,17	14,71
1.01.03b	49,01	209,12	91,24	44,66	145,49	86,20	43,21	114,97	74,19	32,86	71,28	49,59
1.03.00	45,94	221,22	93,33	44,22	164,46	87,58	46,35	126,86	75,38	33,25	80,41	50,51
1.04.00	49,94	217,25	92,73	49,12	188,98	90,05	44,70	137,73	82,26	34,13	79,92	53,58
1.04.01b	48,13	218,56	92,16	48,43	179,90	89,35	45,30	132,58	82,82	35,33	93,69	53,70
AmigaMerlin 2.9	50,11	218,40	93,36	48,29	174,67	89,83	46,06	130,48	82,99	37,54	85,78	54,79
		$\bar{x}$ =	83		$\bar{x}$ =	79		$\bar{x}$ =	70		$\bar{x}$ =	46

Note: [framerate results] = fps (frames per second)!

Driver	Final Reality	
	Bus transfer rate	
	2D transfer	3D transfer
	Mbytes/s	Mbytes/s
1.00.01	185,38	242,19
1.01.00	183,84	240,09
1.01.03b	182,84	240,21
1.03.00	183,62	241,71
1.04.00	182,51	240,24
1.04.01b	185,33	241,66
AmigaMerlin 2.9	184,71	240,95
X̄ =	184	241

System:	
CPU	AMD Athlon XP 2400+ default @ 2GHz
Mobo	EPoX EP 8K7A+, REV:1.0
Ram	512MiB DDR266 Infineon 2-2-2-2
Sound	Soundblaster PCI512 CT4790
HDD	WD800 IDE
OS	Win98SE Service Pack 2.1d
AGP	Voodoo 5 AGP
PCI 5	Soundblaster



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3dfx Voodoo5 5500 AGP

Unreal Tournament 99 [451]- Timedemo Benchmark - Driver 1.04.01b

Glide												
Resolution	640x480 16bit			800x600 16bit			1024x768 16bit			1280x1024 16bit		
CPU	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
600 MHz	34.75	123.14	66.72	33.54	123.97	65.87	31.81	112.77	63.52	30.90	90.93	55.40
1000 MHz Slot A	35.42	151.57	74.72	33.77	160.97	73.31	32.76	126.96	69.75	31.50	89.62	57.48
1000 MHz Slot 1	46.53	158.02	85.40	44.35	149.80	83.77	43.16	136.48	77.59	31.37	90.26	59.67
1000 MHz Socket A	52.69	173.52	96.51	52.05	165.89	94.10	50.97	136.53	83.06	35.51	88.56	60.18
1400 MHz	71.89	203.05	124.82	67.91	190.20	113.88	53.63	133.09	89.49	90.86	140.40	80.40
2000 MHz	79.88	224.10	145.15	74.95	178.20	120.80	54.25	134.61	90.28	37.57	87.73	60.39
2333 MHz	107.26	241.17	162.12	86.56	180.08	123.48	58.57	137.77	90.75	35.46	91.36	60.72

Final Reality			
Bus transfer rate		3D transfer	
CPU	Mbytes/s	Mbytes/s	
600 MHz	148.09	197.67	
1000 MHz	137.26	186.13	
1000 MHz	121.12	206.41	
1000 MHz	157.13	225.05	
1400 MHz			
2000 MHz	185.33	241.66	
2333 MHz			



System #1	
CPU	AMD 600 / 1000 / 1400 / 2000 MHz
Mobo	EPox EP 8K7A+ - REV:1.0
Ram	512MB DDR266/200 Infineon 2-2-2-2
Sound	Soundblaster PCI512 CT4790
HDD	WD800 IDE
OS	Win98SE Service Pack 2.1d
AGP	Voodoo 5 AGP
PCI 5	Soundblaster

System #2	
CPU	AMD Athlon XP 3200+ @2333 MHz
Mobo	EPox EP 8K3A+ - REV:1.2
Ram	1024 MIB DDR333 Infineon 2-2-2-5 T1
Sound	Soundblaster PCI512 CT4790
HDD	Seagate 80GB IDE
OS	Win98SE Service Pack 2.1d
AGP	Voodoo 5 AGP
PCI 5	Soundblaster

System #3	
CPU	AMD Athlon 1000 Slot A Orion
Mobo	Gigabyte GA-71XE Rev.1.1
Ram	256MB SDR200 Infineon 2-2-2-5
Sound	Aureal Vortex 2 SQ2500
HDD	Seagate 40GB IDE
OS	Win98SE Service Pack 2.1d
AGP	Voodoo 5 AGP
PCI 5	Aureal Vortex

System #4	
CPU	Intel Pentium III 1000 Slot 1 F5B100 SL4KL
Mobo	ASUS P3B-F Rev.1.04
Ram	512MB SDR100 Infineon 2-2-2-5
Sound	Sound Blaster AWE64 Gold CT4390
HDD	Seagate 80GB IDE
OS	Win98SE Service Pack 2.1d
AGP	Voodoo 5 AGP
ISA 1	Sound Blaster AWE64

Lavalys EVEREST CPUID															
Processor		AMD Duron													
Code Name		Spfire													
Platform		Socket A													
Stepping		A0													
CPUID Vendor		AuthenticAMD										0.18 um			
CPUID Name		AMD Duron(tm) processor													
CPUID Rev.		6	3	0	Core Voltage				1.492 V						
CPU Clock		599.4 MHz				L1 Instr. Cache				64 KB					
Multiplier		6x				L1 Data Cache				64 KB					
FSB Clock		99.9 MHz				L2 Cache				64 KB					
FSB Speed		199.8 MHz				L3 Cache									
Instruction Set		x86, MMX, MMX+, 3DNow!, 3DNow!+													
Motherboard		Epo: EP-8K7A(+)													
Chipset		AMD-760													
Integr. Video															
Memory Type		Single Channel DDR200 SDRAM (2-2-2-2)													
Memory Clock		99.9 MHz				DRAM:FSB Ratio				1:1					
CPU #1												EVEREST v5.50.2100			

Lavalys EVEREST CPUID												[-]	✕		
Processor		AMD Athlon													
Code Name		Pluto, K7S													
Platform		Slot A													
Stepping		A2													
CPUID Vendor		AuthenticAMD										0.10 UM			
CPUID Name		AMD Athlon(tm) Processor													
CPUID Rev.		6		2		2		Core Voltage			1.808 V				
CPU Clock		1010.0 MHz						L1 Instr. Cache			64 KB				
Multiplier		10x						L1 Data Cache			64 KB				
FSB Clock		101.0 MHz						L2 Cache			512 KB				
FSB Speed		202.0 MHz						L3 Cache							
Instruction Set		x86, MMX, MMX+, 3DNow!, 3DNow!+													
Motherboard		Gigabyte GA-71XE													
Chipset		AMD-750													
Integr. Video		-													
Memory Type		Single Channel PC100 SDRAM (2-2-2-5)													
Memory Clock		101.0 MHz						DRAM:FSB Ratio			1:1				
CPU #1												EVEREST v5.50.2100		Save	Close

Lavalys EVEREST CPUID													
Processor		Intel Pentium III											
Code Name		Coppermine											
Platform		Socket 478											
Stepping		C0											
CPUID Vendor		GenuineIntel						0.10 um					
CPUID Name													
CPUID Rev.		6		8		6		Core Voltage		1.696 V			
CPU Clock		1000.3 MHz								L1 Instr. Cache		16 KB	
Multiplier		10x								L1 Data Cache		16 KB	
FSB Clock		100.2 MHz								L2 Cache		256 KB	
FSB Speed		100.2 MHz								L3 Cache			
Instruction Set		x86, MMX, SSE											
Motherboard		Asus P3B-F											
Chipset		Intel 82440BX											
Integr. Video		-											
Memory Type		Single Channel PC100 SDRAM (2-2-2-7)											
Memory Clock		100.2 MHz						DRAM:FSB Ratio		1:1			
CPU #1								EVEREST v5.50.2100					



