

Model	Apple Titanium PowerBook G4	Asus A1300	Baycom Worldbook II	Compaq Armada E500	Compaq Presario 1800-XL481	Dell Inspiron 4000
Operating system	MacOS 9.1	Windows 98SE	Windows ME	Windows 98SE	Windows ME	WinME / 2000
Specifications						
Processor	Power PC G4	Intel Mobile Celeron	Intel Celeron (Socket 370)	Intel Pentium III	Intel Mobile Pentium III with SpeedStep	Intel Mobile Pentium III with SpeedStep
CPU clock / Bus clock (FSB)	500 MHz / 100 MHz	650 MHz / 100 MHz	700 MHz / 100 MHz	1 GHz / 100 MHz	800 MHz (SpeedStep 650 MHz) / 100 MHz	850 MHz / 100 MHz
Display / Pixel	15.2" 1152 x 768	13.3" 1024 x 768	13.3" 1024 x 768	14.1" 1024 x 768	15" 1024 x 768	14" 1400 x 1050
Battery Hardware	50 Wh	53 Wh	53 Wh	53 Wh	53 Wh	56 Wh
Chipset		SiS 630	SiS 630	Intel 440BX	Intel 440BX	Intel 440BX
BIOS		Award Medallion BIOS 6.0	SystemSoft MobilePRO 1.01	Compaq	Compaq	Phoenix BIOS, A18
RAM	256 MByte	128 MByte	128 MByte	128 MByte	128 MByte	128 MByte
Graphics chip / memory / UMA	ATI Mobility 128 2xAGP / 8 MByte	SiS 630 / 16 MByte (Shared Memory)	SiS 630 / 8 MByte (Shared Memory)	ATI Mobility 128 2xAGP / 8 MByte	ATI Mobility 128 2xAGP / 8 MByte	ATI Mobility 128 AGP 2x, 32 MByte
Sound chipset		SiS 7018	SiS 7018	ESS Maestro	ESS Solo-1	ESS Maestro PCI
Hard disk	Toshiba MK2016GAP, 20 GByte	Fujitsu MHM2100AT, 10 GByte	Fujitsu MHK2100AT, 10 GByte	IBM Travelstar DJSA-230, 30 GByte	Hitachi DK23BA-20, 20 GByte	IBM Travelstar DJSA-220, 20 GByte
DVD-/CD-ROM drive, speed	Matsushita SR-8187, 6x, 24x	TEAC CD-224E, 24x	Teac CD-224E, 24x	Matshita UJDA310	Toshiba DVD-ROM SD-C2502, 8x, 24x	Toshiba DVD-ROM SD-C2502, 8x, 24x
Interfaces / ports	VGA, USB, S-Video, Modem, LAN, Line O, IEEE 1394	LPT, COM, VGA, PS/2, USB, S-Video, Modem, LAN, Micro, Line I/O	LPT, VGA, PS/2, 2 x USB, Modem/ LAN, TV, Micro, Phones, IEEE 1394	LPT, COM, VGA, PS/2, USB, Video, Modem, LAN, Micro, Phones, Docking Station	LPT, COM, VGA, PS/2, USB, Video, Modem, LAN, Micro, Phones, Port Replicator	LPT, COM, VGA, USB, Modem, LAN, Micro, Phones, TV, S-Video, Port Replicator/ Docking Station
HDSP Infos						
PC-Card controller	TI PCI-1211	Ricoh RL5C476	TI PCI-4410	TI PCI-1225	TI PCI-1410	TI PCI-1420
Minimum Latency	1.5 ms	6 ms	6 ms	6 ms	6 ms	12 ms / 3 ms
Effective min. Lat.	1.5 ms	6 ms	6 ms	46 ms	6 ms	12 ms / 3 ms
HDSP compatible	Yes	not completely	Yes	Yes	Yes	Yes
Notes		No PCI bursts from CardBus controller, therefore low data throughput: Max. 14 playback channels		Hard disk access causes noise		Switching on/off the CPU fans causes dropouts up to BIOS A16
Price (incl. VAT)	US \$ 4.180	US \$ 1.455	US \$ 1.278	US \$ 2.636	US \$ 2.500	US \$ 2.100
RME's verdict	Good...and expensive	Not recommended for audio	Suitable for audio, but see Tech Info Notebooks, chapter Shared Memory Graphics	Prototype having some problems - new test necessary	Suitable for audio	Suitable for audio
Model	Apple Titanium PowerBook G4	Asus A1300	Baycom Worldbook II	Compaq Armada E500	Compaq Presario 1800-XL481	Dell Inspiron 4000

Dell Inspiron 8000	Dell Inspiron 8100	Gericom Millennium III	Gericom Supersonic (FIC A440)	Gericom WebBoy	Hewlett-Packard OmniBook XE3	IBM ThinkPad A22m
WinME / 2000	WinME / 2000	Win98 / ME / 2000	WinME / 2000	Windows ME	Windows 98	Windows 2000
Intel Pentium III	Intel Mobile Pentium III M with SpeedStep	Intel Pentium III	Intel Pentium III	Intel Pentium III (Socket 370)	Intel Mobile Celeron	Intel Mobile Pentium III
800 MHz / 100 MHz	866 MHz / 133 MHz	750 MHz / 100 MHz	1 GHz / 133 MHz	850 MHz / 100 MHz	650 MHz / 100 MHz	900 MHz / 100 MHz
15" 1400 x 1050	15" 1600 x 1280	15" 1400 x 1050	14.1" 1024 x 768	13.3" 1024 x 768	13.3" 1024 x 768	15" 1400 x 1050
56 Wh	56 Wh	59 Wh	46 Wh	53 Wh	60 Wh	38,9 Wh
Intel i815	Intel i815EM	Intel 440BX	VIA VT82C601 PLE133	SiS 630	Intel 440BX	Intel 440BX
Phoenix BIOS, A17	Phoenix BIOS, A04	Phoenix BIOS v1.06A	Phoenix BIOS 1.0G	Amibios	Phoenix Bios 4.0	Phoenix BIOS
256 MByte	128 MByte	128 MByte	256 MByte	128 MByte	128 MByte	128 MByte
ATI Mobility 128 AGP 4x, 32 MByte	nVidia GeForce2 Go AGP 4x, 16 MByte	ATI Mobility 128 AGP 2x, 16 MByte	Trident CyberBlade i1 AGP, 8 MByte (Shared Memory)	SiS 630 / 8 MByte (Shared Memory)	S3 Savage / 4 MByte	ATI Rage Mobility 128 / 8 MByte
ESS Maestro PCI	ESS Maestro PCI	ESS Maestro 2E	VIA VT82C686A	SiS 7018	ESS Allegro	Crystal SoundFusion
Hitachi DK23BA-20, 20 GByte	IBM Travelstar DJSA-232, 32 GByte	Toshiba MK2016GAP, 20 GByte	Toshiba MK2016GAP, 20 GByte	Toshiba MK2016GAP, 20 GByte	IBM Travelstar DJSA-210, 10 GByte	IBM Travelstar DJSA-220, 20 GByte
Toshiba DVD-ROM SD-C2502, 8x, 24x	Toshiba DVD-ROM SD-C2502, 8x, 24x	Toshiba DVD-ROM SD-C2402, 8x, 24x	Toshiba DVD-ROM SD-C2502, 8x, 24x	Toshiba DVD-ROM SD-C2502, 8x, 24x	NEC CD-2800D, 24x	Hitachi DVD-ROM GD-S200
LPT, COM, VGA, 2 x USB, Modem, LAN, Micro, Phones, TV, S-Video, IEEE 1394, Port Replicator/Docking Station	LPT, COM, VGA, 2 x USB, Modem, LAN, Micro, Phones, TV, S-Video, IEEE 1394, Port Replicator/Docking Station	LPT, COM, VGA, 2 x USB, Modem, LAN, Micro, Phones, TV, Port Replicator/Docking Station	LPT, COM, VGA, PS/2, 2 x USB, Modem, Micro, Line I/O, S-Video	LPT, COM, VGA, PS/2, USB, Modem, LAN, Micro, Phones	LPT, COM, VGA, PS/2, 2 x USB, Video, Modem, LAN, Micro, Phones, Port Replicator	LPT, COM, VGA, PS/2, USB, Video, Modem, LAN, Micro, Line I/O, Port Replicator/Docking Station
TI PCI-4451	TI PCI-4451	TI PCI-1420	TI PCI-1225	O2Micro OZ6812/6912	TI PCI-1420	TI PCI-1450
12 ms / 3 ms	12 ms / 3 ms	6 ms / 6 ms / 3 ms	12 ms / 3 ms	23 ms	6 ms	3 ms
12 ms / 3 ms	12 ms / 3 ms	6 ms / 6 ms / 3 ms	12 ms / 3 ms	23 ms	6 ms	3 ms
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Switching on/off the CPU fans causes dropouts up to BIOS A16	Switching on/off the CPU fans causes dropouts up to BIOS A03					
US \$ 2.410	US \$ 2.863	US \$ 2.545	US \$ 1.636	US \$ 1.363	US \$ 1.363	US \$ 2.500
Exceptional notebook	Exceptional notebook, highest performance	Exceptional notebook	Suitable for audio, but see Tech Info Notebooks, chapter Shared Memory Graphics	Not recommended for audio	Suitable for audio, but limited hardware (CPU/Display)	Exceptional notebook
Dell Inspiron 8000	Dell Inspiron 8100	Gericom Millennium III	Gericom Supersonic (FIC A440)	Gericom WebBoy	Hewlett-Packard OmniBook XE3	IBM ThinkPad A22m

Maxdata pro 400M	Medion MD9467	Sony Vaio PCG-FX105K	Sony Vaio PCG-FX405	Sony Vaio PCG-FX505	Targa Visionary	Toshiba Satellite 3000-514
Windows 98SE	Windows ME	Windows 2000	Windows 2000	Windows XP	Windows ME	Windows XP
Intel Mobile Pentium III with SpeedStep	Intel Pentium III	Intel Mobile Pentium III	AMD Athlon Mobile	AMD Athlon Mobile	Intel Pentium III	Intel Mobile Pentium III
700 MHz (SpeedStep 550 MHz) / 100 MHz	850 MHz / 100 MHz	700 MHz (Speedstep 550 MHz) / 100 MHz	1 GHz / 133 MHz	1,2 GHz / 133 MHz	1 GHz / 133 MHz	1 GHz / 133 MHz
13.3" 1024 x 768	14.1" 1024 x 768	14.1" 1024 x 768	15" 1024 x 768	15" 1024 x 768	14.1 " 1024 x 768	14,1 " 1024 x 768
60 Wh	53 Wh	38 Wh	25 Wh	45 Wh	53 Wh	57 Wh
Intel 440BX	Intel 440BX	Intel 815 EM, integrierte Grafik	VIA VT8636KT133	VIA VT8363KT133	SiS 630	Intel 830
Amibios 1.19	Phoenix BIOS 4.0	Phoenix BIOS	Phoenix BIOS RO107K5	Phoenix BIOS RO111K5	Amibios 1.19	Phoenix BIOS 1.30
128 MByte	128 MByte	128 MByte	256 MByte	256 MByte	128 MByte	512 MByte
ATI Rage Mobility-M1 (AGP) / 8 MByte	S3 Savage MX / 8 MByte	Intel 82815 / 4 MByte (Shared Memory, max. 11 MByte)	ATI Rage Mobility-M2 (AGP) / 8 MByte	ATI Rage Mobility-M1 (AGP) / 8 MByte	SiS 630/730 (Shared Memory)	nVidia GeForce2 Go AGP 4x, 16 MByte
ESS Allegro	ESS Allegro	AC97 Codec	AC97 Codec	AC97 Codec	SiS 7018	Crystal WDM AudioCodec
Fujitsu MHM2100AT, 10 GByte	IBM Travelstar DJSA-210, 10 GByte	IBM Travelstar DJSA-220, 20 GByte	Hitachi DK23CA-20, 20 GByte	Hitachi DK23CA-30, 30 GByte	Fujitsu MHM2150AT, 15 GByte	Toshiba MK2018GAP, 20 GByte
Toshiba DVD-ROM SD-C2502, 8x, 24x	Toshiba DVD-ROM SD-C2502, 8x, 24x	Hitachi DVD-ROM GD-5200, 8x, 24x	Matshita UJDA710 DVD CDRW	HL-DT-ST RW/DVD GCC-4080N, 24x, 8x, 8x, 8x	CD-ROM Quanta Storage SCR-242	Toshiba DVD CDRW SD-R2102, 8x, 24x, 8x, 4x
LPT, COM, VGA, PS/2, 2 x USB, Modem, LAN, Micro, Phones, Port Replicator, S-Video, IEEE 1394	LPT, COM, VGA, PS/2, 2 x USB, Modem, LAN, Micro, Phones, S-Video	LPT, COM, VGA, 2 x USB, Modem, LAN, Micro, Phones, TV, S-Video, IEEE 1394, Port Replicator	LPT, COM, VGA, 2 x USB, Modem, LAN, Micro, TV, Phones, IEEE 1394	LPT, COM, VGA, 2 x USB, Modem, LAN, Micro, TV, Phones, IEEE 1394	LPT, COM, VGA, USB, Modem, LAN, Micro, Phones	LPT, VGA, 3 x USB, Modem, LAN, Micro, Headphones, TV, S-Video, IEEE 1394
TI PCI-1440	Ricoh RL5C476	Ricoh RL5C476	TI PCI-1420	TI PCI-1420	02Micro OZ6812/6912	TI PCI-1420
12 ms	6 ms	3 ms	3 ms	3 ms	46 ms	3 ms
12 ms	46 ms	3 ms	3 ms	3 ms	46 ms	3 ms
not completely	not completely	Yes	not completely	Yes	Yes	Yes
CardBus card not correctly initialised at boot. Remedy: reinsert card or use Windows ME	No PCI bursts from CardBus controller, therefore low data throughput. CPU fan causes drop outs		Problem with PCI bus: no more than 14 record channels when hard disk is active			
US \$ 2.208 (64 MByte RAM)	US \$ 1.363	US \$ 2.408	US \$ 2.300	1.995 Euro	US \$ 1.545	2000 €
Too expensive for the offered performance	Not recommended for audio	Suitable for audio, but a bit expensive	Not recommended for audio	Suitable for audio	Not suitable for audio	Exceptional notebook
Maxdata pro 400M	Medion MD9467	Sony Vaio PCG-FX105K	Sony Vaio PCG-FX405	Sony Vaio PCG-FX505	Targa Visionary	Toshiba Satellite 3000-514

Toshiba Satellite Pro 4600 Tulip Vision Line bn

Win98SE / XP Windows 2000

Intel Mobile Pentium III with SpeedStep Intel Pentium III
1 GHz / 100 MHz 933 MHz / 133 MHz

15" 1024 x 768 14.1" 1024 x 768

40 Wh 46 Wh

Intel i815 VIA VT82C601 PLE133

ACPI 1.0b BIOS, SM BIOS V. 2.3 Phoenix BIOS

256 MByte 128 MByte
Trident CyberBlade XP AGP, 16 Mbyte Trident CyberBlade i1 AGP, 8 MByte (Shared Memory)

Yamaha YMF743 VIA VT82C686A

Toshiba MK2016GAP, 20 GByte Fujitsu MHM2100AT, 10 GByte

Toshiba DVD CDRW SD-R2002, 6x, 24x, 4x TEAC CD-224E, 24x

LPT, COM, PS/2, VGA, 2 x USB, Modem, LAN, Micro, Headphones, TV, Expansion Bus LPT, COM, VGA, PS/2, 2 x USB, Modem, Micro, Line I/O, S-Video

Toshiba ToPIC100 TI PCI-1225

3 ms / 3 ms 3 ms

6 ms / 3 ms 3 ms

Yes Yes

2.400 \$ US \$ 1.590

Suitable for audio Suitable for audio, but see Tech Info Notebooks, chapter Shared Memory Graphics

Toshiba Satellite Pro 4600 Tulip Vision Line bn