

ThinkPad Battery Life

ZD BatteryMark™ Test Environment

ThinkPad T Series

System conditions

ThinkPad T43p (M/T 2668-H2U)

Time: 4:59

Intel - Pentium-M Processor 770 (Dothan) at 2.13GHz

2MB L2 cache

1GB / Samsung base memory

2x2x2x2.4x2.4x24x10x8x24 Rambo3

15" TFT UXGA / IDT LCD display

Actiontec Cadmus (BMDC3) Modem

2.5" HDD: HGST HTS726060M9AT00 60GB 7200rpm, Format: NTFS

Transfer mode: Ultra-DMA

IDE controller: Intel ICH-M IDE controller

Li-ion 9cell Battery Pack (10.8V / 7.2AH) P/N: - 92P1073

Manufacturer: Panasonic

M24GL-128 ATI Mobility FireGL V3200 graphic chip 128MB DDR2 SGRAM

Display driver: 1YD132WW (8.032.2-041211m-019929C IBM)

Resolution: 1600 x 1200pixel, 16bit color, 60Hz refresh

Operating system: Windows XP pro US with ServicePack: 2, DirectX: 9.0c

ThinkPad T43p (M/T 2668-G7U)

Time: 5:27

Intel - Pentium-M Processor 770 (Dothan) at 2.13GHz

2MB L2 cache

1GB / Samsung base memory

2x2x2x2.4x2.4x24x10x8x24 Rambo3

14" TFT SXGA+ / IDT LCD display

Actiontec Cadmus (BMDC3) Modem

2.5" HDD: HGST HTS726060M9AT00 60GB 7200rpm, Format: NTFS

Transfer mode: Ultra-DMA

IDE controller: Intel ICH-M IDE controller

Li-ion 9cell Battery Pack (10.8V / 7.2AH) P/N: - 92P1073

Manufacturer: Panasonic

M24GL-128 ATI Mobility FireGL V3200 graphic chip 128 DDR2 SGRAM

Display driver: 1YD132WW (8.032.2-041211m-019929C IBM)

Resolution: 1400 x 1050 pixel, 16bit color, 60Hz refresh

Operating system: Windows XP pro US with ServicePack: 2, DirectX: 9.0c

ThinkPad T43 (M/T 2668-92U)

Time: 3:28

Intel - Pentium-M Processor 760 (Dothan) at 2.00GHz

2MB L2 cache

512MB / Micron base memory

2x2x2x2.4x2.4x24x10x8x24 Rambo3 PCC

15" TFT SXGA+ / IDT LCD display

Actiontec BMDC-3 Modem

2.5" HDD: Fujitsu MHT2080AH 80GB 5400rpm, Format: NTFS

Transfer mode: Ultra-DMA

IDE controller: Intel ICH-M IDE controller

Li-ion 6cell Battery Pack (10.8V / 4.8AH) P/N: 92P1089

Manufacturer: Panasonic

M22-64 ATI Mobility-RADEON X300 graphic chip 64MB DDR2 SGRAM
Display driver: 1YD132WW (8.032.2-041211m-019929C IBM)
Resolution: 1400 x 1050 pixel, 16bit color, 60Hz refresh
Operating system: Windows XP pro US with ServicePack: 2, DirectX: 9.0c

ThinkPad T43 (M/T 2668-83U)

Time: 3:57
Intel - Pentium-M Processor 750 (Dothan) at 1.86GHz
2MB L2 cache
512MB / Micron base memory
x24 x24 x24 x8 DVD/CD-RW Combo
15" TFT XGA / Samsung LCD display
Foxconn Cadmus (MDC2) Modem
2.5" HDD: Fujitsu MHT2040AH 1P 40GB 5400rpm, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH-M IDE controller
Li-ion 6cell Battery Pack (10.8V / 4.8AH) P/N: 92P1089
Manufacturer: Panasonic
M22-64 ATI Mobility-RADEON X300 graphic chip 64MB DDR2 SGRAM
Display driver: 1YD132WW (8.032.2-041211m-019929C IBM)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows XP pro US with ServicePack: 2, DirectX: 9.0c

ThinkPad T43 (M/T 2668-1FU)

Time: 3:58
Intel - Pentium-M Processor 730 (Dothan) at 1.6Ghz
2MB L2 cache
256MB / Micron base memory
x8 x24 DVD-ROM
14" TFT XGA / CMO LCD display
Foxconn Cadmus (MDC2) Modem
2.5" HDD: Fujitsu MHT2040AH 1P 40GB 5400rpm, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH-M IDE controller
Li-ion 6cell Battery Pack (10.8V / 4.8AH) P/N: 92P1089
Manufacturer: Panasonic
M22-64 ATI Mobility-RADEON X300 graphic chip 64MB DDR2 SGRAM
Display driver: 1YD132WW (8.032.2-041211m-019929C IBM)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows XP pro US with ServicePack: 2, DirectX: 9.0c

ThinkPad T43 (1871-DMU)

Time: 4:24
Intel - Pentium-M Processor 740 (Dothan) at 1.73GHz
2MB L2 cache
512MB base memory
8x/24/10x/24x COMBO
15" XGA LCD display
Ambit MDC2 Modem
2.5" HDD: HGST 39T2514 60GB 5400rpm, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH6-M IDE controller
Li-Ion 6-cell Battery Pack (10.8V/4.8A) P/N: 92P1087
Manufacturer: Sanyo
Intel 915GM graphic chip Allocate Memory Sharing
Display driver: 70D110WW (6.14.10.3984)

Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: WindowsXP Pro with ServicePack: SP2, DirectX: 9c

ThinkPad T43 (1871-12J)

Time: 4:14
Intel - Pentium-M Processor 730 (Dothan) at 1.6Ghz
2MB L2 cache
256MB base memory
8x/24/10x/24x COMBO
14" XGA LCD display
Ambit MDC2 Modem
2.5" HDD: Fujitsu 13N6876 40GB 5400rpm, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH6-M IDE controller
Li-Ion 6-cell Battery Pack (10.8V/4.8A) P/N: 92P1089
Manufacturer: Sony
Intel 915GM graphic chip Allocate Memory Sharing
Display driver: 70D110WW (6.14.10.3984)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: WindowsXP Pro with ServicePack: SP2, DirectX: 9c

ThinkPad T42p (M/T 2373-Q1U)

Time: 5:29
Intel - Pentium-M Processor 765 (Dothan) at 2.1GHz
2MB L2 cache
1GB / ELPIDA base memory
16x 8x 2x 24x 8x Ramboa PCC
15" TFT UXGA / IDT LCD display
Actiontec BMDC-2 Modem
2.5" HDD: HGST HTS726060M9AT00 60GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH4-M IDE controller
Li-ion 9cell Battery Pack (10.8V / 6.6AH) P/N: 08K8198
Manufacturer: Sanyo
M10-128GL ATI MOBILITY FIRE GL T2 graphic chip 128MB DDR SDRAM
Display driver: 1RD607WW (8.033.1-040722a-017272C IBM)
Resolution: 1600 x1200 pixel, 16 bit color, 60Hz refresh
Operating system: Windows XP Pro US with ServicePack: 2, DirectX: 9.0c

ThinkPad T42p (M/T 2373-P1U)

Time: 6:08
Intel - Pentium-M Processor 765 (Dothan) at 2.1GHz
2MB L2 cache
1GB / ELPIDA base memory
16x 8x 24x 8x Rambo2
14" TFT SXGA / IDT LCD display
Actiontec BMDC-2 Modem
2.5" HDD: HGST HTS726060M9AT00 60GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH4-M IDE controller
Li-ion 9cell Battery Pack (10.8V / 6.6AH) P/N: 08K8198
Manufacturer: Sanyo
M10-128GL ATI MOBILITY FIRE GL T2 graphic chip 128MB DDR SDRAM
Display driver: 1RD607WW (8.033-040722a-017272C IBM)
Resolution: 1400 x 1050 pixel, 16 bit color, 60Hz refresh

Operating system: Windows XP Pro US with ServicePack: 2, DirectX: 9.0c

ThinkPad T42p (M/T 2373-GTU)

Time: 6:39

Intel - Pentium M Processor 745 (1.8GHz)

2MB L2 cache

512MB/Micron base memory

16x 8x 24x 8x Rambo2

14.1" TFT SXGA+ LCD display

Actiontec Integrated Bluetooth III / v.92 Modem

2.5" HDD: HGST Travelstar HTS726060M9AT00 60GB, Format: NTFS

Transfer mode: Ultra-DMA

IDE controller: Intel ICH4-M IDE controller

Li-ion 9cell Battery Pack (10.8V / 6.6AH) P/N: 08K8196

Manufacturer: Sanyo

M10GL ATI Mobility-FIREGL T2 graphic chip 128MB DDR SDRAM

Display driver: 1RD486WW (7.963.2-04021m-013821C-IBM)

Resolution: 1400 x 1050 pixel, 16bit color, 50Hz refresh

Operating system: Windows XP pro US with ServicePack: 1, DirectX: 9.0b

ThinkPad T42 (M/T 2373-9XU)

Time: 4:41

Intel - Pentium M Processor 745 (1.8GHz)

2MB L2 cache

512MB/Micron base memory

x24 x24 x24 x8 DVD/CD-RW Combo

14.1" TFT SXGA+ LCD display

Actiontec Integrated Bluetooth III / v.92 Modem

2.5" HDD: HGST Travelstar HTS548080M9AT00 80GB, Format: NTFS

Transfer mode: Ultra-DMA

IDE controller: Intel ICH4-M IDE controller

Li-ion 6cell Battery Pack (10.8V / 4.4AH) P/N: 08K8192

Manufacturer: Sanyo

M10 ATI Mobility-RADEON 9600 graphic chip 64MB DDR SDRAM

Display driver: 1RD486WW (7.963.2-04021m-013821C-IBM)

Resolution: 1400 x 1050 pixel, 16bit color, 50Hz refresh

Operating system: Windows XP pro US with ServicePack: 1, DirectX: 9.0b

ThinkPad T42 (M/T 2373-8XU)

Time: 4:25

Intel - Pentium M Processor 735 (1.7GHz)

2MB L2 cache

512MB/Micron base memory

x24 x24 x24 x8 DVD/CD-RW Combo

14.1" TFT SXGA+ LCD display

Ambit Integrated 56K (MDC2) Modem

2.5" HDD: Fujitsu MHT2040AH 40GB, Format: NTFS

Transfer mode: Ultra-DMA

IDE controller: Intel ICH4-M IDE controller

Li-ion 6cell Battery Pack (10.8V / 4.4AH) P/N: 08K8192

Manufacturer: Sanyo

M10 ATI Mobility-RADEON 9600 graphic chip 64MB DDR SDRAM

Display driver: 1RD486WW (7.963.2-04021m-013821C-IBM)

Resolution: 1400 x 1050 pixel, 16bit color, 50Hz refresh

Operating system: Windows XP pro US with ServicePack: 1, DirectX: 9.0b

ThinkPad T42 (M/T 2373-8TU)

Time: 5:04

Intel - Pentium M Processor 735 (1.7GHz)

2MB L2 cache

256MB/Samsung base memory

x8 x24 DVD

14.1" TFT XGA LCD display

Ambit Integrated 56K (MDC2) Modem

2.5" HDD: Fujitsu MHT2040AH 40GB, Format: NTFS

Transfer mode: Ultra-DMA

IDE controller: Intel ICH4-M IDE controller

Li-ion 6cell Battery Pack (10.8V / 4.4AH) P/N: 08K8192

Manufacturer: Sanyo

M7 ATI Mobility-RADEON 7500 graphic chip 32MB DDR SDRAM

Display driver: 1RD486WW (7.963.2-04021m-013821C-IBM)

Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh

Operating system: Windows XP pro US with ServicePack: 1, DirectX: 9.0b

ThinkPad T41 (M/T 2373-4PU)

Time: 4:54

Intel - Intel processor at 1.6GHz

1MB L2 cache

256MB base memory

Toshiba SD-R9012 x8 x16 x24 x10 DVD/CD-RW Combo

14.1" TFT XGA LCD display

Actiontec BMDC 56k V.90 Modem

2.5" HDD: HGST HTS548040M9AT00 40GB, Format: NTFS

Transfer mode: Ultra-DMA

IDE controller: Intel ICH4-M IDE controller

Li-ion 6cell Battery Pack (10.8V / 4.4AH) P/N: 08K8192

Manufacturer: Sanyo

M7 ATI Mobile Radeon7500 graphic chip 32MB DDR SDRAM

Display driver: 1RD443WW (7.911-030701m1-010183E IBM)

Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh

Operating system: Windows XP pro US with ServicePack: 1, DirectX: 9.0a

ThinkPad T41 (M/T 2373-1HU)

Time: 5:13

Intel - Intel processor at 1.4GHz

1MB L2 cache

256MB base memory

Teac DV-18E x8 x24 DVD

14.1" TFT XGA LCD display

Ambit MDC 56k V.90 Modem

2.5" HDD: Fujitsu MHT2030AT 30GB, Format: NTFS

Transfer mode: Ultra-DMA

IDE controller: Intel ICH4-M IDE controller

Li-ion 6cell Battery Pack (10.8V / 4.4AH) P/N: 08K8192

Manufacturer: Sanyo

M7 ATI Mobile Radeon7500 graphic chip 32MB DDR SDRAM

Display driver: 1RD443WW (7.911-030701m1-010183E IBM)

Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh

Operating system: Windows XP pro US with ServicePack: 1, DirectX: 9.0a

ThinkPad T40 (M/T 2373-96U)

Time: 7:24

Intel - Intel Banias processor at 1.6GHz
1MB L2 cache
512MB base memory
x8 x16 x24 x10 DVD/CD-RW Combo
14.1" TFT SXGA+ LCD display
ActiontecBMDc 56k V.90Modem
2.5" HDD: IBM Travelstar IC25N080ATMR04-0 80GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH4-M IDE controller
Li-ion 9cell Battery Pack (10.8V / 6.6AH) P/N: 08K8196
Manufacturer: Sanyo
M9 ATI Mobile Radeon9000 graphic chip 32MB DRAM
Display driver: 1RD410WW (7.79.7.3.3-030116a-007441C-IBM)
Resolution: 1400 x 1050 pixel, 16bit color, 50Hz refresh
Operating system: Windows XP with ServicePack: 1, DirectX: 8

ThinkPad T40 (M/T 2373-94U)

Time: 7:44
Intel - Intel Banias processor at 1.6GHz
1MB L2 cache
512MB base memory
x8 x16 x24 x10 DVD/CD-RW Combo
14.1" TFT SXGA+ LCD display
ActiontecBMDc 56k V.90Modem
2.5" HDD: IBM Travelstar IC25N080ATMR04-0 80GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH4-M IDE controller
Li-ion 9cell Battery Pack (10.8V / 6.6AH) P/N: 08K8196
Manufacturer: Sanyo
M9 ATI Mobile Radeon9000 graphic chip 32MB DRAM
Display driver: 1RD410WW (7.79.7.3.3-030116a-007441C-IBM)
Resolution: 1400 x 1050 pixel, 16bit color, 50Hz refresh
Operating system: Windows XP US with ServicePack: 1, DirectX: 8

ThinkPad T40 (M/T 2373-8CU)

Time: 5:35
Intel - Intel Banias processor at 1.5GHz
1MB L2 cache
256MB(MOS) base memory
x8 x24 DVD
14.1" TFT XGA LCD display
AmbitMDC 56k V.90Modem
2.5" HDD: Hitachi DK23EB-40 40GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH4-M IDE controller
Li-ion 6cell Battery Pack (10.8V / 4.4AH) P/N: 08K8192
Manufacturer: Sanyo
M7 ATI Mobile Radeon7500 graphic chip 32MB DDR SDRAM
Display driver: 1RD410WW (7.79.7.3.3-030116a-007440C-IBM)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows XP US with ServicePack: 1, DirectX: 8.1

ThinkPad T40 (M/T 2373-92U)

Time: 7:40
Intel - Intel Banias processor at 1.6GHz
1MB L2 cache

512MB(INF) base memory
x8 x16 x24 x10 DVD/CD-RW Combo
14.1" TFT SXGA+ LCD display
ActiontecBMDC 56k V.90Modem
2.5" HDD: IBM Travelstar IC25N080ATMR04-0 80GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH4-M IDE controller
Li-ion 9cell Battery Pack (10.8V / 6.6AH) P/N: 08K8196
Manufacturer: Sanyo
M9 ATI Mobile Radeon9000 graphic chip 32MB DRAM
Display driver: 1RD410WW (7.79.7.3.3-030116a-007441C-IBM)
Resolution: 1400 x 1050 pixel, 16bit color, 50Hz refresh
Operating system: Windows XP with ServicePack: 1, DirectX: 8

ThinkPad T40 (M/T 2373-91U)

Time: 7:49
Intel - Intel Banias processor at 1.6GHz
1MB L2 cache
512MB base memory
x8 x16 x24 x10 DVD/CD-RW Combo
14.1" TFT SXGA+ LCD display
AmbitMDC 56k V.90Modem
2.5" HDD: IBM Travelstar IC25N080ATMR04-0 80GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH4-M IDE controller
Li-ion 9cell Battery Pack (10.8V / 6.6AH) P/N: 08K8196
Manufacturer: Sanyo
M9 ATI Mobile Radeon9000 graphic chip 32MB DRAM
Display driver: 1RD410WW (7.79.7.3.3-030116a-007441C-IBM)
Resolution: 1400 x 1050 pixel, 16bit color, 50Hz refresh
Operating system: Windows XP US with ServicePack: 1, DirectX: 8.1

ThinkPad T40 (M/T 2373-72U)

Time: 5:19
Intel - Intel Banias processor at 1.5GHz
1MB L2 cache
256MB(MIT) base memory
x8 x16 x24 x10 DVD/CD-RW Combo
14.1" TFT XGA LCD display
AmbitMDC 56k V.90Modem
2.5" HDD: Hitachi DK23EB-40 40GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH4-M IDE controller
Li-ion 6cell Battery Pack (10.8V / 4.4AH) P/N: 08K8192
Manufacturer: Sanyo
M7 ATI Mobile Radeon7500 graphic chip 32MB DDR SDRAM
Display driver: 1RD410WW (7.79.7.3.3-030116a-007440C-IBM)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: 1, DirectX: 8

ThinkPad T40 (M/T 2373-16U)

ime: 5:29
Intel - Intel Banias processor at 1.5GHz
1MB L2 cache
256MB(MOS) base memory
x8 x24 DVD

14.1" TFT XGA LCD display
AmbitMDC 56k V.90Modem
2.5" HDD: Fujitsu HN-16L MHS2030AT 30GB, Format: FAT32
Transfer mode: Ultra-DMA
IDE controller: Intel ICH4-M IDE controller
Li-ion 6cell Battery Pack (10.8V / 4.4AH) P/N: 08K8192
Manufacturer: Sanyo
M7 ATI Mobile Radeon7500 graphic chip 32MB DDR SDRAM
Display driver: 1RD303WW (7.79.7.3.2-021214a-006988C-IBM)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows 2000 US with ServicePack: 3, DirectX: 8.1

ThinkPad T40 (M/T 2373-14U)

Time: 5:52
Intel - Intel Banias processor at 1.5GHz
1MB L2 cache
256MB(MOS) base memory
x8 x24 DVD
14.1" TFT XGA LCD display
AmbitMDC 56k V.90Modem
2.5" HDD: Fujitsu HN-16L MHS2030AT 30GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH4-M IDE controller
Li-ion 6cell Battery Pack (10.8V / 4.4AH) P/N: 08K8192
Manufacturer: Sanyo
M7 ATI Mobile Radeon7500 graphic chip 32MB DDR SDRAM
Display driver: 1RD410WW (7.79.7.3.3-030116a-007440C-IBM)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: 1, DirectX: 8

Power management setting & system/utility setting

BIOS PM: Default

- System standby - 5 minutes
- Turn off monitor - 5 minutes
- Turn off HDD - 3 minutes

Windows PM:

- System standby - Never
- Turn off monitor - Never
- Turn off HDD - 3 minutes

Brightness setting: Medium (5/8 Level 4/7 Bars)

Measurement tool

Ziff Davis Media Business Winstone 2002 BatteryMark 1.0
Average of 3 life tests after one conditioning phase

ThinkPad T Series

System conditions

Thinkpad T30 (M/T 2366-JBU)

Time:2:35
Intel - Pentium4-M at 2.4GHz
512KB L2 cache
256MB base memory
x24/x16/x10 DVD/CD-DW Combo

14.1" LG SXGA+ LCD display
Lucent v.92 AC97 Modem
2.5" HDD: HITACHI DK23EA-60 60GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V/4.4Ah/47.52Wh) P/N: IBM-02K7072
Manufacturer: Sanyo
ATI Mobile RADEON 7500 graphic chip 16MB DDR-SDRAM
Display driver: (6.13.10.6114)
Resolution: 1400x1050, 16bit color, 60Hz refresh
Operating system: Windows XP US with ServicePack: SP1, DirectX: 8.1

ThinkPad T30 (M/T 2366-FBU)

Time: 2:57
Intel - Pentium4-M at 2.4GHz
512KB L2 cache
256MB base memory
x24/x16/x10 DVD/CD-DW Combo
14.1" LG XGA LCD display
Lucent v.92 AC97 Modem
2.5" HDD: IBM Travelstar 07N9908 40GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V/4.4Ah/47.52Wh) P/N: IBM-02K7037
Manufacturer: Panasonic
ATI Mobile RADEON 7500 graphic chip 16MB DDR-SDRAM
Display driver: (6.13.10.6114)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows XP US with ServicePack: SP1, DirectX: 8.1

ThinkPad T30 (M/T 2366-57U)

Time: 2:41
Intel - Pentium4-M at 2.0G / 1.2GHz
512KB L2 cache
256MB base memory
x24/x16/x10 DVD/CD-DW Combo
14.1" LG SXGA+ LCD display
Lucent v.92 AC97 Modem
2.5" HDD: HITACHI DK23EA-60 60GB, Format: FAT32
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V/4.4Ah/47.52Wh) P/N: IBM-02K7072
Manufacturer: Sanyo
ATI Mobile RADEON 7500 graphic chip 16MB DDR-SDRAM
Display driver: 1GD346WW (7.73.6-020617a-004615C-IBM)
Resolution: 1400x1050, 16bit color, 60Hz refresh
Operating system: Windows 2000 US with ServicePack: SP2, DirectX: 8.1

ThinkPad T30 (M/T 2366-56U)

Time: 3:04
Intel - Pentium4-M at 2.0G / 1.2GHz
512KB L2 cache
256MB base memory
x24/x16/x10 DVD/CD-RW Combo
14.1" Samsung SXGA+ LCD display
Lucent v.92 AC97 modem

2.5" HDD: HITACHI DK23EA-60 60GB, Format: FAT32
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V/4.4Ah/47.52Wh) P/N: IBM-02K7037
Manufacturer: Panasonic
ATI Mobile RADEON 7500 graphic chip 16MB DDR-SDRAM
Display driver: 1GD346WW (7.73.6-020617a-004615C-IBM)
Resolution: 1400x1050, 16bit color, 60Hz refresh
Operating system: Windows 2000 US with ServicePack: SP2, DirectX: 8.1

ThinkPad T30 (M/T 2366-87U)

Time: 2:58
Intel - Pentium4-M at 2.0G / 1.2GHz
512KB L2 cache
256MB base memory
x24/ x8 DVD
14.1" Samsung XGA LCD display
Lucent v.92 AC97 modem
2.5" HDD: HITACHI DK23EB-40B 40GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V/ 4.4Ah/ 47.52Wh) P/N: IBM-02K7037
Manufacturer: Panasonic
ATI Mobile RADEON 7500 graphic chip 16MB DDR-SDRAM
Display driver: 1GD451WW (7.73.6-020617a-004617C-IBM)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows XP US with ServicePack: N/A, DirectX: 8.1

ThinkPad T30 (M/T 2366-86U)

Time: 2:49
Intel - Pentium4-M at 2.0G / 1.2GHz
512KB L2 cache
256MB base memory
x24/x8 DVD
14.1" LG XGA LCD display
Lucent v.92 AC97 Modem
2.5" HDD: IBM Travelstar IC25N040ATCS05-0 40GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V/4.4Ah/47.52Wh) P/N: IBM-02K7037
Manufacturer: Panasonic
ATI Mobile RADEON 7500 graphic chip 16MB DDR-SDRAM
Display driver: 1GD451WW (7.73.6-020617a-004617C-IBM)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows XP US with ServicePack: N/A, DirectX: 8.1

ThinkPad T30 (M/T 2366-66U)

Time: 3:09
Intel - Pentium4-M at 1.9G / 1.2GHz
512KB L2 cache
256MB base memory
x24/x8 DVD
14.1" LG XGA LCD display
Lucent v.92 AC97 Modem
2.5" HDD: Fujitsu MHR2020AT 20GB, Format: NTFS
Transfer mode: Ultra-DMA100

IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V/4.4Ah/47.52Wh) P/N: IBM-02K7072
Manufacturer: Sanyo
ATI Mobile RADEON 7500 graphic chip 16MB DDR-SDRAM
Display driver: 1GD451WW (7.73.6-020617a-004617C-IBM)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows XP US with ServicePack: N/A, DirectX: 8.1

ThinkPad T30 (M/T 2366-92U)

Time: 2:49
Intel - Mobile Pentium IV at 1.8G/1.2GHz
512KB L2 cache
256MB base memory
8x/8x/24x/8x DVD/CD-RW Combo
14.1" SXGA LG for Ant TFT LCD display
Intel 802.11b / Modem & Ethernet
2.5" HDD: TOSHIBA MK4019GAX 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V /2.2Ah/47.52Wh) P/N: 02K7037
Manufacturer: Panasonic
ATI Mobile Radeon 7500 AGP(LW) graphic chip 16MB SDRAM
Display driver: 1GD431WW (6.13.10.6043)
Resolution: 1400 x 1050, 16bit color, 60Hz refresh
Operating system: WindowsXP with ServicePack: N/A, DirectX: 8.1

ThinkPad T30 (M/T 2366-85U)

Time: 2:43
ThinkPad T30 (M/T CISCO)
Intel - Mobile Pentium IV-M at 1.8G/1.2GHz
512KB L2 cache
256MB base memory
8x/8x/24x/8x DVD/CD-RW Combo
14.1" SXGA LG for Ant TFT LCD display
Cisco 802.11b / Modem & Ethernet
2.5" HDD: TOSHIBA MK4019GAX 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V /2.2Ah/47.52Wh) P/N: 02K7037
Manufacturer: Panasonic
ATI Mobile Radeon 7500 AGP(LW) graphic chip 16MB SDRAM
Display driver: 1GD433WW (7.68_020305m_0303E-IBM2)
Resolution: 1400 x 1050, 16bit color, 60Hz refresh
Operating system: WindowsXP with ServicePack: N/A, DirectX: 8.1

ThinkPad T30 (M/T 2366-61U)

Time: 3:27
System conditions
T30 (M/T 2366-61U)
Intel - Mobile Pentium IV at 1.6/1.2GHz
512kB L2 cache
256MB base memory
x8/x24 DVD/CD-ROM
14.1" XGA TFT LDC LG for Ant LCD display
Lucent V.92 AC97 modem / Ethernet

2.5" HDD: IBM Travelstar IC25N020ATCS04-0 20.0GB, Format: NTFS
Transfer mode: UltraDMA100
IDE controller: Intel ICH-3-M IDE controller
Li-Ion Battery Pack (10.8V/2.2Ah/47.25Wh) P/N: IBM-02K7037
Manufacturer: Panasonic
ATI Mobile RADEON 7500 graphic chip 16MB SDRAM
Display driver: 1GD437WW (7.69-020326x-003334E-IBM)
Resolution: 1024 X 768 pixels, 16 bit color color, 60Hz refresh
Operating system: WindowsXP with ServicePack: n/a, DirectX: 8.1

ThinkPad T23 (M/T 2647-4SU)

Time: 3:50
Intel - Mobile Intel Pentium III processor-M at 800/1200 MHz
512KB L2 cache
256MB base memory
x8 DVD-ROM drive
14.1" TFT XGA LCD display
Livingstone 56k V.90 Modem
2.5" HDD: IBM Travelstar 07N8364 40GB, Format: FAT32
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K7025
Manufacturer: Panasonic
S3 Super Savage IXC16 graphic chip 16MB DRAM
Display driver: 1ad335ww (12.80.27)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows 2000 with ServicePack: SP2, DirectX: 8

ThinkPad T23 (M/T 2647-4RU)

Time: 4:03
Intel - Mobile Intel Pentium III processor-M at 800/1200 MHz
512KB L2 cache
256MB base memory
x8 DVD-ROM drive
14.1" TFT XGA LCD display
Ambit 56k V.90 Modem
2.5" HDD: IBM Travelstar 07N8364 40GB, Format: FAT32
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K7025
Manufacturer: Panasonic
S3 Super Savage IXC16 graphic chip 16MB DRAM
Display driver: 1AD335WW (12.80.27)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows 2000 with ServicePack: SP2, DirectX: 8

ThinkPad T23 (M/T 2647-5SU)

Time: 3:26
Intel - Mobile Intel Pentium III processor-M at 800/1200 MHz
512KB L2 cache
256 MB base memory
x8 x8 x24 x8 DVD/CD-RW Combo
14.1" TFT SXGA+ LCD display
Livingstone 56k V.90 Modem
2.5" HDD: IBM Travelstar 07N8365 60GB, Format: FAT32
Transfer mode: Ultra-DMA

IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K7025
Manufacturer: Panasonic
S3 Super Savage IXC16 graphic chip 16MB DRAM
Display driver: 1AD336WW (12.80.27)
Resolution: 1400 x 1050 pixel, 16bit color, 50Hz refresh
Operating system: Windows 2000 with ServicePack: SP2, DirectX: 8

ThinkPad T23 (M/T 2647-2RU)

Time: 4:12
Intel - Mobile Intel Pentium III processor-M at 733/1000 MHz
512KB L2 cache
128 MB base memory
x24 CD-ROM drive
14.1" TFT XGA LCD display
Ambit 56k V.90 Modem
2.5" HDD: IBM Travelstar 07N8362 20GB, Format: FAT32
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K7025
Manufacturer: Panasonic
S3 Super Savage IXC16 graphic chip 16MB DRAM
Display driver: 1AD336WW (12.80.27)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows 2000 with ServicePack: SP2, DirectX: 8

ThinkPad T23 (M/T 2647-9NU)

Time: 3:18
Intel - Mobile Intel Pentium III processor-M at 800/1200 MHz
512KB L2 cache
128 MB base memory
8xCD-R/4xCD-RW/24xCD CDRW
14.1" TFT SXGA+ LCD display
Lucent WinModem 56k V.90 Modem
2.5" HDD: IBM Travelstar 07N7358 48GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K7025
Manufacturer: Panasonic
S3 Super Savage IXC16 graphic chip 16MB SDRAM
Display driver: (12.90.24)
Resolution: 1400 x 1050 pixel, 32bit(16bit*1) color, 60Hz refresh
Operating system: Windows XP Pro, DirectX: 8

ThinkPad T23 (M/T 2647-9MU)

Time: 3:29
Intel - Mobile Intel Pentium III processor-M at 800/1200 MHz
512KB L2 cache
128 MB base memory
8xCD-R/4xCD-RW/24xCD CDRW
14.1" TFT SXGA+ LCD display
Lucent WinModem 56k V.90 Modem
2.5" HDD: IBM Travelstar 07N7358 48GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K7025

Manufacturer: Panasonic
S3 Super Savage IXC16 graphic chip 16MB SDRAM
Display driver: (12.90.24)
Resolution: 1400 x 1050 pixel, 32bit color, 60Hz refresh
Operating system: Windows XP Pro, DirectX: 8

ThinkPad T23 (M/T 2647-8NU)

Time: 3:31
Intel - Mobile Intel Pentium III processor-M at 733/1133 MHz
512KB L2 cache
128 MB base memory
24xCD/8xDVD DVD
14.1" TFT XGA+ LCD display
Lucent WinModem 56k V.90 Modem
2.5" HDD: IBM Travelstar 07N7354 30GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K7025
Manufacturer: Panasonic
S3 Super Savage IXC16 graphic chip 16MB SDRAM
Display driver: (12.90.24)
Resolution: 1024 x 768 pixel, 32bit (16bit *1) color, 60Hz refresh
Operating system: Windows XP Pro, DirectX: 8

ThinkPad T23 (M/T 2647-8MU)

Time: 3:34
Intel - Mobile Intel Pentium III processor-M at 733/1133 MHz
512KB L2 cache
128 MB base memory
24xCD/8xDVD DVD
14.1" TFT XGA+ LCD display
Lucent WinModem 56k V.90 Modem
2.5" HDD: IBM Travelstar 07N7354 30GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K7025
Manufacturer: Panasonic
S3 Super Savage IXC16 graphic chip 16MB SDRAM
Display driver: (12.90.24)
Resolution: 1024 x 768 pixel, 32bit color, 60Hz refresh
Operating system: Windows XP Pro, DirectX: 8

ThinkPad T23 (M/T 2647-5LU)

Time: 3:00
Intel® Mobile Pentium® III at 1.13GHz with Intel SpeedStep™ technology - 1 CPU
512KB L2 cache
128MB base memory
8x-2.3 DVD-ROM
14.1" TFT SXGA+ LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar IC25T048ATDA05-0 48GB, Format: FAT32
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 3.6Ah) P/N: 02K6621
Manufacturer: Sanyo
S3 Super Savage IXC16 graphic chip 16MB SDRAM

Display driver: 1AD129WW (12.00.42)
Resolution: 1400 x 1050 pixel, 16bit color, 50Hz refresh
Operating system: Windows 98 SE with ServicePack: N/A, DirectX: 8.0

ThinkPad T23 (M/T 2647-5KU)

Time: 3:00
Intel Mobile Pentium III at 1.13GHz with Intel SpeedStep technology - 1 CPU
512 KB L2 cache
128MB base memory
8x-2.3 DVD-ROM
14.1" TFT SXGA+ LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar IC25T048ATDA05-0 48GB, Format: FAT32
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 3.6Ah) P/N: 02K6621
Manufacturer: Sanyo
S3 Super Savage IXC16 graphic chip 16MB SDRAM
Display driver: 1AD129WW (12.00.42)
Resolution: 1400 x 1050 pixel, 16bit color, 50Hz refresh
Operating system: Windows 98 SE with ServicePack: N/A, DirectX: 8.0

ThinkPad T23 (M/T 2647-2KU)

Time: 3:00
Intel Mobile Pentium III at 866MHz with Intel SpeedStep technology - 1 CPU
512KB L2 cache
128MB base memory
24x-10x CD-ROM
13.3" TFT XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar IC25N015ATDA04-0 15GB, Format: FAT32
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V/3.6Ah) P/N: 02K6621
Manufacturer: Sanyo
S3 SuperSavage IXC16 graphic chip 16MB SDRAM
Display driver: 1AD129WW (12.00.42)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows 98 SE with ServicePack: N/A, DirectX: 8.0

ThinkPad T22 (M/T 2647-5CU)

Time: 3:30
Intel Mobile Pentium III at 1GHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
128MB base memory
8X-2X DVD-ROM
14.1" SXGA+ LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-232 32GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A) P/N: 02K6621
Manufacturer: Panasonic
S3 Savage/IX8+ graphic chip integrated 8MB SGRAM
Display driver: IYD331WW (version 7.31.22)

Resolution: 1400x1050 16M color, 60Hz refresh
Operating system: Windows 2000 with Direct X 8.0

ThinkPad T22 (M/T 2647-4CU)

Time: 3:25
Intel Mobile Pentium III at 900MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
128MB base memory
8X-2X DVD-ROM
14.1" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A) P/N: 02K6621
Manufacturer: Panasonic
S3 Savage/IX8+ graphic chip integrated 8MB SGRAM
Display driver: YD331WW (version 7.31.22)
Resolution: 1024x768 16M color, 60Hz refresh
Operating system: Windows 2000 with Direct X 8.0

ThinkPad T21 (M/T 2647-47U)

Time 3:47
Intel Mobile Pentium III at 800MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
128MB base memory
8X-2.3X DVD-ROM
14.1" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A) P/N: 02K6621
Battery Manufacturer: Sanyo
S3 Savage/IX8+ graphic chip integrated 8MB SGRAM
Display driver: 7.02.89 (IYD118WW)
Resolution: 1024x768 16M color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad T22 (M/T 2647-3EU)

Time: 3:50
Intel Mobile Pentium III at 800MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
128MB base memory
24X-10X DVD-ROM
13.3" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A) P/N: 02K6621
Manufacturer: Panasonic
S3 Savage/IX8+ graphic chip integrated 8MB SGRAM
Display driver: IYD331WW (version 7.31.22)
Resolution: 1024x768 16M color, 60Hz refresh

Operating system: Windows 2000 with Direct X 8.0

ThinkPad T21 (M/T 2647-57U)

Time: 3:22

Intel Mobile Pentium III at 850MHz with Intel SpeedStep technology - 1 CPU

256KB L2 cache

128MB base memory

8X-2.3X DVD-ROM

14.1" SXGA+ LCD display

56k V.90 Modem

2.5" HDD: IBM Travelstar DJSA-232 32GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (10.8V, 3.6A) P/N: 02K6621

Manufacturer: Sanyo

S3 Savage/IX8+ graphic chip integrated 8MB SGRAM

Display driver: 7.13.29 (IYD135WW)

Resolution: 1400x1050 16M color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

ThinkPad T21 (M/T 2647-47U)

Time: 3:36

Intel Mobile Pentium III at 800MHz with Intel SpeedStep technology - 1 CPU

256KB L2 cache

128MB base memory

8X-2.3X DVD-ROM

14.1" XGA LCD display

56k V.90 Modem

2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (10.8V, 3.6A) P/N: 02K6621

Manufacturer: Sanyo

S3 Savage/IX8+ graphic chip integrated 8MB SGRAM

Display driver: 7.13.29 (IYD135WW)

Resolution: 1024x768 16M color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

ThinkPad T21 (M/T 2647-27U)

Time: 3:47

Intel Mobile Pentium III at 750MHz with Intel SpeedStep technology - 1 CPU

256KB L2 cache

128MB base memory

24X-10X CD-ROM

13.3" XGA LCD display

56k V.90 Modem

2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (10.8V, 3.6A) P/N: 02K6620

Manufacturer: Panasonic

S3 Savage/IX8+ graphic chip integrated 8MB SGRAM

Display driver: 7.13.29 (IYD135WW)

Resolution: 1024x768 16M color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

ThinkPad T20 (M/T 2647-52U)

Time: 3:55

Intel Mobile Pentium III at 750MHz with Intel SpeedStep technology - 1 CPU

256KB L2 cache

128MB base memory

6X-2.4X DVD-ROM

14.1" XGA LCD display

56k V.90 Modem

2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (10.8V, 3.6A) P/N: 02K6620

Manufacturer: Panasonic

S3 Savage/IX8 graphic chip integrated 8MB SGRAM

Display driver: IYD118WW

Resolution: 1024x768 64K color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

ThinkPad T20 (M/T 2647-41U)

Time: 4:02

Intel Mobile Pentium III at 700MHz with Intel SpeedStep technology - 1 CPU

256KB L2 cache

128MB base memory

6X-2.4X DVD-ROM

14.1" XGA LCD display

56k V.90 Modem

2.5" HDD: IBM Travelstar DRAR-21200 12.0GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (10.8V, 3.6Ah) P/N: 02K6620

Manufacturer: Panasonic

S3 Savage/IX8 graphic chip integrated 8MB SGRAM

Display driver: S3SAVMX.DLL (5.12.1.7003)

Resolution: 1024x768 64K color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

ThinkPad T20 (M/T 2647-21U)

Time: 4:22

Intel Mobile Pentium III at 650MHz with Intel SpeedStep technology - 1 CPU

256KB L2 cache

128MB base memory

24X-10X CD-ROM

13.3" XGA LCD display

56k V.90 Modem

2.5" HDD: IBM Travelstar DRAR-20600 6.0GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (10.8V, 3.6Ah) P/N: 02K6620

Manufacturer: Panasonic

S3 Savage/IX8 graphic chip integrated 8MB SGRAM

Display driver: S3SAVMX.DLL (5.12.1.7003)

Resolution: 1024x768 64K color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

Power management setting & system/utility setting

BIOS PM: Default

- System Standby - 5 minutes
- Turn Off Monitor - 5 minutes
- Turn Off HDD - 3 minutes

Windows PM:

- System Standby - Never
- Turn Off Monitor - Never
- Turn Off HDD - 3 min

Close "Battery MaxiMiser Gauge" (T20, T21, & T22 only)

Brightness Setting: Medium (5/8 Level 4/7 Bars)

Measurement tool

ZiffDavis BatteryMark 3.0, 4.0, or 4.0.1

Average of three life tests after two conditioning phases

ThinkPad G Series

System conditions

System conditions

ThinkPad G40 (M/T 2384-JNU)

Time: 3:32

Intel - Celeron DT at 2.6GHz

128KB L2 cache

256MB base memory

24x/10x/8x/24x Combo

15" XGA LCD display

Ambit MDC Modem

2.5" HDD: HGST Travelstar IC25N040ATMR04-0 40GB, Format: NTFS

Transfer mode: Ultra DMA

IDE controller: Intel ICH4-M IDE controller

Li-Ion Battery Pack (3S4P) P/N: 92P0994

Manufacturer: SANYO

Intel Montara-GML Integrated graphic chip Intel Dynamic Video Memory Technology UMA

Display driver: 1TD231WW (6.13.1.3460)

Resolution: XGA, 16bit color, 60Hz refresh

Operating system: Windows XP Pro with ServicePack: SP1, DirectX: 8.1

ThinkPad G40 (M/T 2384-HEU)

Time: 4:24

Intel - Celeron DT at 2.5GHz

128KB L2 cache

256MB base memory

24x CD-ROM

14" XGA LCD display

Ambit MDC Modem

2.5" HDD: HGST Travelstar IC25N030ATMR04-0 30GB, Format: NTFS

Transfer mode: Ultra DMA

IDE controller: Intel ICH4-M IDE controller

Li-Ion Battery Pack (3S4P) P/N: 92P0994

Manufacturer: SANYO

Intel Montara-GML Integrated graphic chip Intel Dynamic Video Memory Technology UMA

Display driver: 1TD231WW (6.13.1.3460)

Resolution: XGA, 16bit color, 60Hz refresh

Operating system: Windows XP Pro with ServicePack: SP1, DirectX: 8.1

ThinkPad G40 (M/T 2388-C2U)

Time: 4:22
Intel - Pentium-4 DT at 2.8GHz
512KB L2 cache
256MB base memory
Teac DW-224E DVD/CDRW
15" XGA LCD display
Ambit MDC Modem
2.5" HDD: HGST --- 40GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: Intel ICH4-M IDE controller
Li-Ion 12cell Battery Pack (3S4P) P/N: 92P0994
Manufacturer: Sanyo
Intel Embedded in NB graphic chip 8 MByte UMA
Display driver: 1TD231WW (6.13.01.3460)
Resolution: 1024 x 768, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP1, DirectX: 8.1

ThinkPad G40 (M/T 2388-BNU)

Time: 2:51
Intel - Pentium-4 DT at 3.0GHz
512KB L2 cache
512MB base memory
Matsushita UJDA740 DVD/CDRW
15" SXGA+ LCD display
Ambit MDC Modem
2.5" HDD: HGST --- 60GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: Intel ICH4-M IDE controller
Li-Ion 12cell Battery Pack (3S4P) P/N: 92P0996
Manufacturer: Panasonic
Intel Embedded in NB graphic chip 8 MByte UMA
Display driver: 1TD231WW (6.13.01.3460)
Resolution: 1400 x 1050, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP1, DirectX: 8.1

ThinkPad G40 (M/T 2388-B2U)

Time: 4:03
Intel - Pentium-4 DT at 2.6GHz
512KB L2 cache
256MB base memory
Teac DW-224E DVD/CDRW
15" SXGA+ LCD display
Ambit MDC Modem
2.5" HDD: Fujitsu --- 40GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: Intel ICH4-M IDE controller
Li-Ion 12cell Battery Pack (3S4P) P/N: 08K8181
Manufacturer: Panasonic
Intel Embedded in NB graphic chip 8 MByte UMA
Display driver: 1TD231WW (6.13.01.3460)
Resolution: 1400 x 1050, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP1, DirectX: 8.1

ThinkPad G40 (M/T 2388-8HU)

Time: 2:04

Intel - Pentium-4 DT Celeron at 2.2GHz

128KB L2 cache

256MB base memory

Teac DW-224E DVD/CDRW

15" XGA LCD display

Ambit MDC Modem

2.5" HDD: Fujitsu --- 40GB, Format: NTFS

Transfer mode: Ultra DMA

IDE controller: Intel ICH4-M IDE controller

Li-Ion 12cell Battery Pack (3S2P) P/N: 08K8185

Manufacturer: Panasonic

Intel Embedded in NB graphic chip 8 MByte UMA

Display driver: 1TD231WW (6.13.01.3460)

Resolution: 1024 x 768, 16bit color, 60Hz refresh

Operating system: Windows XP Pro with ServicePack: SP1, DirectX: 8.1

ThinkPad G40 (M/T 2388-5BU)

Time: 2:32

Intel - Pentium4-DT at 3GHz

512KB L2 cache

256MB base memory

24x/10x/8x/24x DVD/CDRW combo

15.0" SXGA+ TFT LCD LCD display

Ambit AgereSystems AC'97 Modem

2.5" HDD: Fujitsu --- 40GB, Format: NTFS

Transfer mode: Ultra DMA

IDE controller: Intel ICH4-M IDE controller

Li-Ion 12cell Battery Pack (3S 4P) P/N: 08K8182

Manufacturer: Panasonic

Intel Embedded in MB graphic chip 8MB UMA

Display driver: 1td231ww (6.13.01.3460)

Resolution: 1400 x 1050, 16bit color, 60Hz refresh

Operating system: Windows XP Pro with ServicePack: SP1, DirectX: 8.1

ThinkPad G40 (M/T 2388-4QU)

Time: 4:05

Intel - Pentium4-DT at 2.8GHz

512KB L2 cache

256MB base memory

24x/10x/8x/24x CDRW/DVD combo

15.0" XGA TFT LCD LCD display

Ambit AgereSystems AC'97 Modem

2.5" HDD: Fujitsu --- 40GB, Format: NTFS

Transfer mode: Ultra DMA

IDE controller: Intel ICH4-M IDE controller

Li-Ion 6cell Battery Pack (3S 4P) P/N: 08K8182

Manufacturer: Panasonic

Intel Embedded in MB graphic chip 8MB UMA

Display driver: 1td231ww (6.13.01.3460)

Resolution: 1024 x 768, 16bit color, 60Hz refresh

Operating system: Windows XP Pro with ServicePack: SP1, DirectX: 8.1

ThinkPad G40 (M/T 2388-3HU)

Time: 4:15

Intel - Pentium4-DT at 2.4GHz

512KB L2 cache
256MB base memory
24x/10x/8x/24x CDRW/DVD combo
15.0" XGA TFT LCD LCD display
Ambit AgereSystems AC'97 Modem
2.5" HDD: Hitachi --- 40GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: Intel ICH4-M IDE controller
Li-Ion 12cell Battery Pack (3S 4P) P/N: 08K8182
Manufacturer: Panasonic
Intel Embedded in MB graphic chip 8MB UMA
Display driver: 1td231ww (6.13.01.3460)
Resolution: 1024 x 768, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP1, DirectX: 8.1

ThinkPad G40 (M/T 2388-1QU)

Time: 2:02
Intel - Celeron-DT at 2GHz
128KB L2 cache
256MB base memory
24x/10x/8x/24x CDRW/DVD combo
14.1" XGA TFT LCD LCD display
Ambit AgereSystems AC'97 Modem
2.5" HDD: Hitachi --- 40GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: Intel ICH4-M IDE controller
Li-Ion 6cell Battery Pack (3S 2P) P/N: 08K8186
Manufacturer: Panasonic
Intel Embedded in MB graphic chip 8MB UMA
Display driver: 1td231ww (6.13.01.3460)
Resolution: 1024 x 768, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP1, DirectX: 8.1

Power management setting & system/utility setting

BIOS PM: Default

- System standby - 5 minutes
- Turn off monitor - 5 minutes
- Turn off HDD - 3 minutes

Windows PM:

- System standby - Never
- Turn off monitor - Never
- Turn off HDD - 3 min

Brightness setting: Medium (5/8 Level 4/7 Bars)

Measurement tool

Ziff Davis Media Business Winstone 2002 BatteryMark 1.0
Average of 3 life tests after one conditioning phase

ThinkPad A Series

System conditions

Thinkpad A31 (M/T 2652-Q5U)

Time: 2:28
Intel - Mobile Pentium4 at 2.0GHz

512KB L2 cache
256MB base memory
8X8X24X8X CD-RW/DVD Combo
15" SXGA+ IPS DBU LCD display
Agere Systems AC'97 Modem?56k / V.92?Modem
2.5" HDD: IBM Travelstar 92P6331 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V, 4.0AH) P/N: 02K7022
Manufacturer: Sanyo
ATI Mobility RADEON 7500 graphic chip 32MB DDR-SDRAM
Display driver: 1GD442WW (7.69.6-020412x-003568C-IBM)
Resolution: 1400x1050, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: N/A, DirectX: 8.1(4.08.01.0810)

ThinkPad A31p (M/T 2652-PBU)

Time: 2:36
Intel - Mobile Pentium4 at 2.0GHz
512KB L2 cache
256MB base memory
8X8X24X8X CD-RW/DVD Combo
15" XGA LG LCD display
Ambit 56K V92, P/N 26P8476 Modem
2.5" HDD: Hitachi 08K9766 40.01GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V, 4.0AH) P/N: 02K7022
Manufacturer: Sanyo
ATI Mobility RADEON 7500 graphic chip 16MB DDR-SDRAM
Display driver: 1GD442WW (7.69.6-020412x-003568C-IBM)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows-XP Pro with ServicePack: N/A, DirectX: 8.1(4.08.01.0810)

ThinkPad A31p (M/T 2653-R5U)

Time: 2:10
Intel - Mobile Pentium4 at 2GHz
512 L2 cache
256MB base memory
8x8x24x8 DVD/CD-RW Combo
15" UXGA TFT / IPS LCD display
Agere Systems AC'97 56k / V92 Modem
2.5" HDD: IBM Travelstar IC25T060ATCS05-0 60GB, Format: NTFS (4KB)
Transfer mode: UltraDMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K6898
Manufacturer: Sanyo
ATI Mobility FireGL 7800 graphic chip 64MB DDR
Display driver: --- (6.13.10.6052)
Resolution: 1600x1200, 16bit color, 60Hz refresh
Operating system: WindowsXP Pro with ServicePack: N/A, DirectX: 8.1

Thinkpad A31 (M/T 2652-P3U)

Time: 3:03
Intel - Mobile Pentium4 at 1.9GHz
512 L2 cache
256MB base memory

8x DVD-ROM
15" XGA TFT LCD display
Agere Systems AC'97 56k / V92 Modem
2.5" HDD: Hitachi DK23DA-30F 30GB, Format: NTFS
Transfer mode: UltraDMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K6897
Manufacturer: Panasonic
ATI Mobility Radeon 7500 graphic chip 16MB DDR
Display driver: --- (6.13.10.6152)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: WindowsXP Pro with ServicePack: N/A, DirectX: 8.1

Thinkpad A31 (M/T 2653-M4U)

Time: 2:33
Intel - Mobile Pentium4 at 1.8/1.2GHz
512 L2 cache
256MB base memory
8x8x24x8x DVD/CD-RW
15" SXGA+ LG LCD display
Agere Systems AC'97 Modem
2.5" HDD: HITACHI DK23DA-40B 40GB, Format: FAT32
Transfer mode: Ultra DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K6898
Manufacturer: SANYO
ATI Mobility RADEON 7500 graphic chip 32M DDR-SDRAM
Display driver: 7.66.03-020125x-2592C-IBM (5.13.1.6025)
Resolution: 1400x1050 pixel, 16bit color, 60Hz refresh
Operating system: Windows2000 with ServicePack: SP2, DirectX: 8.1

Thinkpad A31 (M/T 2653-K4U)

Time: 2:42
Intel - Mobile Pentium4 at 1.6/1.2GHz
512 L2 cache
256MB base memory
24x CD-ROM
15" XGA Samsung LCD display
Agere Systems AC'97 Modem
2.5" HDD: HITACHI DK23DA-20F 20GB, Format: FAT32
Transfer mode: Ultra DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K6898
Manufacturer: SANYO
ATI Mobility RADEON 7500 graphic chip 16M DDR-SDRAM
Display driver: 7.66.03-020125x-2592C-IBM (5.13.1.6025)
Resolution: 1024x768 pixel, 16bit color, 60Hz refresh
Operating system: Windows2000 with ServicePack: SP2, DirectX: 8.1

Thinkpad A31 (M/T 2653-J4U)

Time: 3:07
Intel - Mobile Pentium4 at 1.6/1.2GHz
512 L2 cache
256MB base memory
24x CD-ROM
14" XGA Samsung LCD display

Agere Systems AC'97 Modem
2.5" HDD: HITACHI DK23DA-20F 20GB, Format: FAT32
Transfer mode: Ultra DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K6898
Manufacturer: SANYO
ATI Mobility RADEON 7500 graphic chip 16M DDR-SDRAM
Display driver: 7.66.03-020125x-2592C-IBM (5.13.1.6025)
Resolution: 1024x768 pixel, 16bit color, 60Hz refresh
Operating system: Windows2000 with ServicePack: SP2, DirectX: 8.1

Thinkpad A31 (M/T 2652-C6U)

Time: 3:23
Intel - Mobile Pentium4 at 1.5GHz
512 L2 cache
256MB base memory
8x4x24 CD-R/RW
15"XGA TFT LCD display
2.5" HDD: Hitachi DK23DA-30F 30.00GB, Format: FAT32
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-ion Battery Pack (10.8V / 4.0AH) P/N: 02K7021
Manufacturer: Panasonic
ATI Mobility RADEON 7500 graphic chip 16MB DDR-SDRAM
Display driver: 1GD315WW (7.66-020118b-2432E-IBM)
Resolution: 1024x768 pixel, 16bit color, 60Hz refresh
Operating system: Windows2000 with ServicePack: SP2, DirectX: 8.1

ThinkPad A31p (M/T 2653-H6U)

Test Time: 2:30
Intel Mobile Pentium 4 at 1.7GHz with Intel SpeedStep technology - 1 CPU
512KB L2 cache
256MB base memory
8X-4X-24X DVD / CD-RW combo
15" UXGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar IC25T060ATCS05-0 Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel IDH3-M
Li-Ion Battery Pack (10.8V, 4.0Ah), P/N: 02K7021
Manufacturer: Panasonic
ATI Mobility FIREGL 7800 graphic chip with 64MB VRAM
Display driver: 1GD315WW (version 7.66-020118b-2432E-IBM)
Resolution: 1600x1200 16-bit color, 60Hz refresh
Operating system: Windows 2000 SP2 with Direct X 8.1

ThinkPad A31 (M/T 2652-D6U)

Test Time: 2:49
Intel Mobile Pentium 4 at 1.6GHz with Intel SpeedStep technology - 1 CPU
512KB L2 cache
256MB base memory
8X-4X-24X DVD / CD-RW combo
15" SXGA+ LCD display
56k V.90 Modem
2.5" HDD: Hitachi DK23DA-40F Format: FAT32
Transfer mode: Ultra DMA mode

IDE controller: Intel IDH3-M
Li-Ion Battery Pack (10.8V, 4.0Ah), P/N: 02K7022
Manufacturer: Sanyo
ATI Mobility RADEON 7500 graphic chip with 32MB VRAM
Display driver: 1GD315WW (version 7.66-020118b-2432E-IBM)
Resolution: 1400x1050 16-bit color, 60Hz refresh
Operating system: Windows 2000 SP2 with Direct X 8.1

ThinkPad A30p (M/T 2653-64U)

Test Time: 2:36
Intel - Mobile Intel PentiumIII at 1.2G/800MHz
512 L2 cache
128MB base memory
8x/ 4x/ 24x DVD/CD-RW
15"TFT UXGA IPS LCD LCD display
Lucent Win Modem 56k V.90 Modem
2.5" HDD: IBM Travelstar IC25T048ATDA05-0 48GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V / 3.6Ah) P/N: 02K6793
Manufacturer: Panasonic
ATI Rage Mobility-M6 graphic chip 32MB DDR SDRAM
Display driver: 1ED407WW (7.60.010912b-1328C-IBM)
Resolution: 1600 x 1400 pixel, 16 bit color, 60Hz refresh
Operating system: Windows XP Professional with ServicePack: N/A, DirectX: 8.1

ThinkPad A30 (M/T 2652-46U)

Test Time: 3:17
Intel - Mobil Pentium III at 1133M / 733MHz
512KB L2 cache
128MB base memory
8x DVD / 24x CD DVD-ROM
15" XGA TFT LCD LCD display
Lucent 56k V.90 Modem
2.5" HDD: IBM Travelstar IC25N030ATDA04-0 30GB, Format: FAT32
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3M IDE controller
Li-Ion Battery Pack (10.8V / 3.6AH) P/N: 02K6794
Manufacturer: SANYO
ATI Rage Mobility-M6 graphic chip 16MB DDR SDRAM
Display driver: 1ED316WW (7.57.02_010719b-929C)
Resolution: 1024 x 768 pixel, 16 bit color, 60Hz refresh
Operating system: Windows2000 with ServicePack: SP2, DirectX: 5.01.2258.0400

ThinkPad A30 (M/T 2652-3XU)

Test Time: 3:22
Intel - Mobil Pentium III at 1G / 733MHz
512KB L2 cache
128MB base memory
8x DVD / 24x CD DVD-ROM
15" SXGA+ IPS TFT LCD LCD display
Lucent 56k V.90 Modem
2.5" HDD: IBM Travelstar IC25N030ATDA04-0 30.0GB, Format: FAT32
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3M IDE controller
Li-Ion Battery Pack (10.8V / 3.6AH) P/N: 02K6793

Manufacturer: Panasonic
ATI Rage Mobility-M6 graphic chip 16MB DDR SDRAM
Display driver: 1ED316WW (7.57.02_010719b-929C)
Resolution: 1400 x 1050 pixel, 16 bit color, 60Hz refresh
Operating system: Windows2000 with ServicePack: SP2, DirectX: 5.01.2258.0400

Thinkpad A30 (M/T 2652-24U)

Test Time: 3:37
Intel - Mobile Intel PentiumIII at 933M/ 733MHz
512 L2 cache
128MB base memory
24 x CD-ROM
15"TFT XGA TFT LCD LCD display
Lucent Win Modem 56k V.90 Modem
2.5" HDD: IBM Travelstar IC25N020ATDA04-0 20GB, Format: FAT32
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V / 3.6Ah) P/N: 02K6793
Manufacturer: Panasonic
ATI Rage Mobility-M6 graphic chip 8MB DDR SDRAM
Display driver: 1ED316WW (7.57.02.010719b-929C-IBM-Japan)
Resolution: 1024 x 768 pixel, 16 bit color, 60Hz refresh
Operating system: Windows 2000 with ServicePack: SP2, DirectX: 8.0

Thinkpad A30 (M/T 2652-14U)

Test Time: 3:19
Intel - Mobile Intel PentiumIII at 933M/733MHz
512kB L2 cache
128MB base memory
24x CD-ROM
15"XGA TFT LCD LCD display
Lucent 56k V.90 Modem
2.5" HDD: HITACHI DK23CA-20F 20GB, Format: FAT32
Transfer mode: Ultra-DMA
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V / 3.6AH) P/N: 02K6793
Manufacturer: Panasonic
ATI Rage Mobility-M6 graphic chip 16MB DDR SDRAM
Display driver: 1ED316WW (7.57.02_010719b-929C)
Resolution: 1024 x 768 pixel, 16bit color, 50Hz refresh
Operating system: Windows2000 with ServicePack: SP2, DirectX: 8.00

Power management setting & system/utility setting

BIOS PM: Default

- System standby - 5 minutes
- Turn off monitor - 5 minutes
- Turn off HDD - 3 minutes

Windows PM:

- System standby - never
- Turn off monitor - never
- Turn off HDD - 3 minutes

Brightness setting: Medium (5/8 Level 4/7 Bars)

Measurement tool

ZiffDavis Media BatteryMark 4.0.1

Average of three life tests after two conditioning phases

ThinkPad A Series (cont.)**ThinkPad A22m (M/T 2628-W1U)**

Test Time: 3:29

Intel Mobile Pentium III at 1GHz with Intel SpeedStep technology - 1 CPU

256KB L2 cache

128MB base memory

8X-2X DVD-ROM

14.1" XGA LCD display

56k V.90 Modem

2.5" HDD: IBM Travelstar IC25N-030 30GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616

Manufacturer: Panasonic

ATI Rage Mobility M1 graphic chip with 8MB VRAM

Display driver: IWD146WW (version M6.11.107-T11)

Resolution: 1024x768 64K color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A22m (M/T 2628-V1U)

Test Time: 3:34

Intel Mobile Pentium III at 900MHz with Intel SpeedStep technology - 1 CPU

256KB L2 cache

64MB base memory

24X-10X CD-ROM

14.1" XGA LCD display

56k V.90 Modem

2.5" HDD: IBM Travelstar IC25N-010 10GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616

Manufacturer: Panasonic

ATI Rage Mobility M1 graphic chip with 8MB VRAM

Display driver: IWD146WW (version M6.11.107-T11)

Resolution: 1024x768 64K color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A22e (M/T 2655-B7U)

Time: 3:31

Intel Mobile Pentium III at 900MHz with Intel SpeedStep technology - 1 CPU

256KB L2 cache

64MB base memory

8X-3.3X DVD-ROM

14.1" XGA LCD display

56k V.90 Modem

2.5" HDD: Hitachi DK23CA-30F 30GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (10.8V, 3.6AH), P/N: 02K6741

Manufacturer: Sanyo
S3 Savage IX8 graphic chip with 8MB VRAM
Display driver: IYD339WW (version 7.40.32)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 2000 with Direct X 6.0

ThinkPad A22p (M/T 2629-U1U)

Test Time:4:32
Intel Mobile Pentium III at 1GHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
128MB base memory
8X-4X-24X CD-RW
15" UXGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-232 32GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 5.4A), P/N: 02K6617
Manufacturer: Panasonic
ATI Rage Mobility 128 graphic chip with 16MB VRAM
Display driver: IVD345WW (version M6.31.70-T02)
Resolution: 1600x1200 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A22m (M/T 2628-T1U, R1U, Q1U, P1U)

Test Time:3:40
Intel Mobile Pentium III at 1GHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
128MB base memory
8X-2X DVD-ROM
14.1" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-230 30GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616
Manufacturer: Panasonic
ATI Rage Mobility M1 graphic chip with 8MB VRAM
Display driver: IWD336WW (version M6.11.106-T02)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A22m (M/T 2628-S1U)

Test Time: 3:15
Intel Mobile Pentium III at 900MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
64MB base memory
8X-2X DVD-ROM
15" SXGA+ LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616
Manufacturer: Panasonic

ATI Rage Mobility 128 graphic chip with 8MB VRAM
Display driver: IVD345WW (version M6.31.70-T02)
Resolution: 1400x1050 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A21e (M/T 2655-91U)

Time: 3:05
Intel Mobile Celeron at 700MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
14.1" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Ni-MH Battery Pack (8.4V, 4.5AH), P/N: 02K6721
Manufacturer: Sanyo
ATI Rage Mobility M graphic chip with 4MB VRAM
Display driver: IWD135WW (version M6.11.83-T01)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A21e (M/T 2655-81U)

Time: 3:21
Intel Mobile Celeron at 700MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
13.3" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Ni-MH Battery Pack (8.4V, 4.5AH), P/N: 02K6721
Manufacturer: Sanyo
ATI Rage Mobility M graphic chip with 4MB VRAM
Display driver: IWD135WW (version M6.11.83-T01)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A21e (M/T 2655-71U)

Time: 3:20
Intel Mobile Celeron at 650MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
12.1" SVGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Ni-MH Battery Pack (8.4V, 4.5AH), P/N: 02K6721
Manufacturer: Sanyo
ATI Rage Mobility M graphic chip with 4MB VRAM

Display driver: IWD135WW (version M6.11.83-T01)
Resolution: 800x600 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A21e (M/T 2628-JUU)

Time: 3:52
Intel Mobile Celeron at 700MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
15" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6618
Manufacturer: Sanyo
ATI Rage Mobility M graphic chip with 4MB VRAM
Display driver: IWD138WW (version M6.11.105.T01)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A21e (M/T 2628-C1U)

Time: 3:36
Intel Mobile Celeron III at 600MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
15" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616
Manufacturer: Panasonic
ATI Mobility M graphic chip with 4MB VRAM
Display driver: IWD132WW (version M6.11.66-T24_11_IBM)
Resolution: 800x600 16M color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A21p (M/T 2629-H1U)

Time: 4:30
Intel Mobile Pentium III at 850MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
128MB base memory
8X-2.3X DVD-ROM
15" UXGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-232 32GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 5.4), P/N: 02K66176
Manufacturer: Panasonic
ATI Mobility 128 graphic chip with 16MB VRAM
Display driver: IVD136WW (version M6.31.43-T02_11_IBM)

Resolution: 1600x1200 16M color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A21m (M/T 2628-G1U)

Time: 3:49
Intel Mobile Pentium III at 800MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
64MB base memory
8X-2.3X DVD-ROM
14.1" XGA LCD display
56k V.90 Modem
2.5" HDD: Hitachi 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616
Manufacturer: Panasonic
ATI Mobility M1 graphic chip with 8MB VRAM
Display driver: IWD132WW (version M6.11.66-T24_11_IBM)
Resolution: 1024x768 16M color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A21m (M/T 2628-F1U)

Time: 3:51
Intel Mobile Pentium III at 750MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
64MB base memory
24X-10X CD-ROM
15" XGA LCD display
56k V.90 Modem
2.5" HDD: Hitachi 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616
Manufacturer: Panasonic
ATI Mobility M1 graphic chip with 8MB VRAM
Display driver: IWD132WW (version M6.11.66-T24_11_IBM)
Resolution: 1024x768 16M color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A21m (M/T 2628-E1U)

Time: 4:01
Intel Mobile Pentium III at 700MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
64MB base memory
24X-10X CD-ROM
14.1" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616
Manufacturer: Panasonic
ATI Mobility M graphic chip with 4MB VRAM
Display driver: IWD132WW (version M6.11.66-T24_11_IBM)
Resolution: 800x600 16M color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A21m (M/T 2628-D1U)

Time: 3:43

Intel Mobile Pentium III at 700MHz with Intel SpeedStep technology - 1 CPU

256KB L2 cache

64MB base memory

24X-10X CD-ROM

12.1" SVGA LCD display

56k V.90 Modem

2.5" HDD: Hitachi 20GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616

Manufacturer: Panasonic

ATI Mobility M1 graphic chip with 4MB VRAM

Display driver: IWD132WW (version M6.11.66-T24_11_IBM)

Resolution: 800x600 16M color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A21e (M/T 2628-C1U)

Time: 3:07

Intel Mobile Celeron® III at 600MHz - 1 CPU

128KB L2 cache

64MB base memory

24X-10X CD-ROM

12.1" SVGA LCD display

56k V.90 Modem

2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616

Manufacturer: Panasonic

ATI Mobility M graphic chip with 4MB VRAM

Display driver: IWD132WW (version M6.11.66-T24_11_IBM)

Resolution: 800x600 16M color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A20m (M/T 2628-11U)

Time: 3:53

Intel Mobile Celeron at 500MHz - 1 CPU

128KB L2 cache

64MB base memory

24X-10X CD-ROM

12.1" SVGA LCD display

56k V.90 Modem

2.5" HDD: IBM Travelstar DRAR-20600 6.0GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616

Manufacturer: Panasonic

ATI Mobility M graphic chip with 4MB SDRAM

Display driver: IWD115WW (version M6.10.105.T01)

Resolution: 800x600 64K color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A20m (M/T 2628-1AU)

Time: 4:06
Intel Mobile Celeron at 550MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
12.1" SVGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DRAR-20600 6.0GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6615
Manufacturer: Panasonic
ATI Mobility M graphic chip with 4MB SDRAM
Display driver: IWD115WW (version M6.10.105.T01)
Resolution: 800x600 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A20m (M/T 2628-21U)

Time: 3:38
Intel Mobile Pentium III at 500MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
64MB base memory
24X-10X CD-ROM
12.1" SVGA LCD display
56k V.90 Modem
2.5" HDD: Hitachi DK23AA-60 6.0GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616
Manufacturer: Panasonic
ATI Mobility M graphic chip with 4MB SDRAM
Display driver: IWD115WW (version M6.10.105.T01)
Resolution: 800x600 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A20m (M/T 2628-31U)

Time: 3:39
Intel Mobile Celeron at 500MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
15.0" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DRAR-21200 12.0GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616
Manufacturer: Sanyo
ATI Mobility M1 graphic chip with 8MB SDRAM
Display driver: IWD115WW (version M6.10.105.T01)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A20m (M/T 2628-3AU)

Time: 3:45
Intel Mobile Celeron at 550MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
15.0" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DRAR-21200 12.0GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6615
Manufacturer: Panasonic
ATI Mobility M1 graphic chip with 8MB SDRAM
Display driver: IWD115WW (version M6.10.105.T01)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A20m (M/T 2628-4AU)

Time: 3:59
Intel Mobile Pentium III at 600MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
64MB base memory
24X-10X CD-ROM
14.1" XGA LCD display
56k V.90 Modem
2.5" HDD: Hitachi DK23AA-12 12.0GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6615
Manufacturer: Panasonic
ATI Mobility M1 graphic chip with 8MB SDRAM
Display driver: IWD115WW (version M6.10.105.T01)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A20m (M/T 2628-41U)

Time: 3:56
Intel Mobile Pentium III at 700MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
64MB base memory
24X-10X CD-ROM
14.1" XGA LCD display
56k V.90 Modem
2.5" HDD: Hitachi DK23AA-12 12.0GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6A), P/N: 02K6616
Manufacturer: Sanyo
ATI Mobility M1 graphic chip with 8MB SDRAM
Display driver: IWD115WW (version M6.10.105.T01)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A20m (M/T 2629-61U)

Time: 5:11
Intel Mobile Pentium III at 700MHz with Intel SpeedStep technology - 1 CPU

256KB L2 cache
128MB base memory
6X-2.4X DVD-ROM
15.0" SXGA+ LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DRAR-21800 18.0GB Format: FAT32
Transfer Mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 5.4A), P/N: 02K6617
Manufacturer: Sanyo
ATI Mobility M3 graphic chip with 16MB SGRAM
Display driver: IWD118WW (version M6.30.4.T01)
Resolution: 1400x1050 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad A20p (M/T 2629-6AU)

Time: 5:16
Intel Mobile Pentium III at 750MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
128MB base memory
6X-2.4X DVD-ROM
15.0" SXGA+ LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-220 20.0GB Format: FAT32
Transfer Mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 5.4A), P/N: 02K6615
Manufacturer: Panasonic
ATI Mobility M3 graphic chip with 16MB SGRAM
Display driver: IWD118WW (version M6.30.4.T01)
Resolution: 1400x1050 64K color, 60Hz refresh
Note: Second battery extends battery life by 3 hours for all models
Operating system: Windows 98 SE with Direct X 6.0

Power management setting & system/utility setting

BIOS PM: Default

- System standby - 5 minutes
- Turn off monitor - 5 minutes
- Turn off HDD - 3 minutes

Windows PM:

- System standby - never
- Turn off monitor - never
- Turn off HDD - never

Brightness setting: Medium (5/8 Level 4/7 Bars)

Measurement tool

ZiffDavis BatteryMark 3.0 or 4.0 or 4.0.1
Five life test after one conditioning phases

ThinkPad X Series

System conditions

ThinkPad X41 Tablet (M/T 1866-6SJ)

Time: 6:36
Intel - Dothan-LV at 1.5GHz
2MB L2 cache
512MB base memory
12.1 TFT LCD LCD display
Foxconn BMDC3 Modem
HDD: HGST Travelstar 60GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-6M IDE controller
Li-Ion Prismatic Battery Pack (8cell : 14.4V / 1.9Ah/2.6Ah) P/N: Lenovo P/N :92P1085
Manufacturer: Sanyo
Intel Alviso-GM graphic chip 128MB UMA
Display driver: 70D113WW (70D113WW)
Resolution: 1024x768 pixel, 32bit color color, 50Hz refresh
Operating system: Windows XP TabletEdition2005 JP with ServicePack: SP2, DirectX: 12

ThinkPad X41 Tablet (M/T 1866-1CU)

Time: 2:53
Intel - Dothan-ULV at 1.2GHz
2MB L2 cache
512MB base memory
12.1 TFT LCD LCD display
Foxconn MDC2 Modem
HDD: HGST Travelstar 30GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-6M IDE controller
Li-Ion Prismatic Battery Pack (4cell : 14.4V / 1.9Ah) P/N: Lenovo P/N :92P1083
Manufacturer: Sanyo
Intel Alviso-GM graphic chip 128MB UMA
Display driver: 70D113WW (70D113WW)
Resolution: 1024x768 pixel, 32bit color color, 50Hz refresh
Operating system: Windows XP TabletEdition2005 with ServicePack: SP2, DirectX: 12

ThinkPad X41 (M/T 2525-6HU)

Time: 6:16
Intel - Dothan-LV at 1.5GHz
2MB L2 cache
512MB base memory
12.1"XGA TFT LCD LCD display
CXT IBM Integrated 56K Modem MDC2 Modem
2.5" HDD: HGST Travelstar HTC426060G9AT00 60.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-6M IDE controller
Li-Ion 8cell Hybrid Battery Pack (64.80Wh / 14.40V / 2.6Ah) P/N: IBM-92P1080
Manufacturer: SANYO
Intel Alviso-GM graphic chip 128MB UMA
Display driver: 70D110WW (6.14.10.3984)
Resolution: 1024 x 768 pixle, 16bit color color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP2, DirectX: 9.0c

ThinkPad X41 (M/T 2525-5JJ)

Time: 6:08
Intel - Dothan-LV at 1.5GHz
2MB L2 cache
1GB base memory
12.1"XGA TFT LCD LCD display

CXT IBM Integrated 56K Modem MDC2 Modem
2.5" HDD: HGST Travelstar HTC426060G9AT00 60.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-6M IDE controller
Li-Ion 8cell Hybrid Battery Pack (64.80Wh / 14.40V / 2.6Ah) P/N: IBM-92P1080
Manufacturer: SANYO
Intel Alviso-GM graphic chip 128MB UMA
Display driver: 70D110WW (6.14.10.3984)
Resolution: 1024 x 768 pixle, 16bit color color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP2, DirectX: 9.0c

ThinkPad X41 (M/T 2525-XXU with 2.6Ah cylindrical battery)

Time: 3:32
Intel - Dothan-LV at 1.5GHz
2MB L2 cache
512MB base memory
12.1"XGA TFT LCD LCD display
CXT IBM Integrated 56K Modem MDC2 Modem
2.5" HDD: HGST Travelstar HTC426040G9AT00 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-6M IDE controller
Li-Ion 4cell cylindrical Battery Pack (37.44Wh / 14.40V) P/N: IBM-92P1078
Manufacturer: SANYO
Intel Alviso-GM graphic chip 128MB UMA
Display driver: 70D110WW (6.14.10.3984)
Resolution: 1024 x 768 pixle, 16bit color color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP2, DirectX: 9.0c

ThinkPad X40 (M/T 2371-LBU)

Time: 7:09
Intel - Dothan LV at 1.5G/600MHz
2MB L2 cache
512MB base memory
Optical Drive: n/a
12.1" TFT LCD (IDT) LCD display
CXT IBM Integrated 56K Modem Modem
2.5" HDD: HITACHI DK13FA-40B 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (61.92Wh / 14.4V) P/N: IBM-92P1002
Manufacturer: SANYO
Intel 855GME (Montara GM+) graphic chip 64MB UMA
Display driver: 6.14.10.3879 (1UD153WW)
Resolution: 1024 x 768 pixle, 16bit color color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP2, DirectX: 9.0c

ThinkPad X40 (M/T 2371-KLU)

Time: 7:36
Intel - Dothan LV at 1.5G/600MHz
2MB L2 cache
512MB base memory
Optical Drive: n/a
12.1" TFT LCD (IDT) LCD display
CXT IBM Integrated 56K Modem Modem
2.5" HDD: HITACHI DK13FA-40B 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100

IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (61.92Wh / 14.4V) P/N: IBM-92P1002
Manufacturer: SANYO
Intel 855GME (Montara GM+) graphic chip 64MB UMA
Display driver: 6.14.10.3879 (1UD153WW)
Resolution: 1024 x 768 pixle, 16bit color color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP2, DirectX: 9.0c

ThinkPad X40 (M/T 2371-BSJ)

Time: 3:16
Intel - Dothan ULV at 1.1G/600MHz
2MB L2 cache
512MB base memory
Optical Drive: n/a
12.1" TFT LCD (IDT) LCD display
CXT IBM Integrated 56K Modem Modem
2.5" HDD: HITACHI DK13FA-30B 30.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (27.36Wh / 14.4V) P/N: IBM-92P0998
Manufacturer: SANYO
Intel 855GME (Montara GM+) graphic chip 64MB UMA
Display driver: 6.14.10.3879 (1UD153WW)
Resolution: 1024 x 768 pixle, 16bit color color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP2, DirectX: 9.0c

ThinkPad X40 (M/T 2371-HCU)

Time: 7:24
Intel - Dothan LV at 1.4G/600MHz
2MB L2 cache
512MB base memory
12.1" TFT LCD LCD display
CXT AC97 V.92 CDC Modem
2.5" HDD: HITACHI Travelstar DK13FA-40B 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (61.92Wh/14.40V) P/N: IBM-92P1002
Manufacturer: SANYO
Intel 855GME (Montara GM+) graphic chip 64MB UMA
Display driver: 1ud153ww (6.14.10.3879)
Resolution: 1024 x 768 pixle, 16bit color color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP2, DirectX: 9.0c

ThinkPad X40 (M/T 2371-H9U)

Time: 7:18
Intel - Dothan LV at 1.4G/600MHz
2MB L2 cache
512MB base memory
12.1" TFT LCD LCD display
CXT AC97 V.92 CDC Modem
2.5" HDD: HITACHI Travelstar DK13FA-40B 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (61.92Wh/14.40V) P/N: IBM-92P1002
Manufacturer: SANYO
Intel 855GME (Montara GM+) graphic chip 64MB UMA

Display driver: 1ud153ww (6.14.10.3879)
Resolution: 1024 x 768 pixle, 16bit color color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP2, DirectX: 9.0c

ThinkPad X40 (M/T 2371-GDU)

Time: 7:19
Intel - Dothan LV at 1.4G/600MHz
2MB L2 cache
512MB base memory
12.1" TFT LCD LCD display
CXT AC97 V.92 CDC Modem
2.5" HDD: HITACHI Travelstar DK13FA-40B 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (61.92Wh/14.40V) P/N: IBM-92P1002
Manufacturer: SANYO
Intel 855GME (Montara GM+) graphic chip 64MB UMA
Display driver: 1ud153ww (6.14.10.3879)
Resolution: 1024 x 768 pixle, 16bit color color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP2, DirectX: 9.0c

ThinkPad X40 (M/T 2371-E8U)

Time: 7:28
Intel - Dothan LV at 1.4G/600MHz
2MB L2 cache
256MB base memory
12.1" TFT LCD LCD display
CXT AC97 V.92 CDC Modem
2.5" HDD: HITACHI Travelstar DK13FA-40B 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (61.92Wh/14.40V) P/N: IBM-92P1002
Manufacturer: SANYO
Intel 855GME (Montara GM+) graphic chip 64MB UMA
Display driver: 1ud153ww (6.14.10.3879)
Resolution: 1024 x 768 pixle, 16bit color color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP2, DirectX: 9.0c

ThinkPad X40 (M/T 2371-E5U)

Time: 3:19
Intel - Dothan LV at 1.4G/600MHz
2MB L2 cache
256MB base memory
12.1" TFT LCD LCD display
CXT AC97 V.92 CDC Modem
2.5" HDD: HITACHI Travelstar DK13FA-40B 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (27.36Wh/14.40V) P/N: IBM-92P0998
Manufacturer: SANYO
Intel 855GME (Montara GM+) graphic chip 64MB UMA
Display driver: 1ud153ww (6.14.10.3879)
Resolution: 1024 x 768 pixle, 16bit color color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP2, DirectX: 9.0c

ThinkPad X40 (M/T 2371-A9U)

Time: 3:34

Intel - Banias ULV at 1.1G/600MHz

1MB L2 cache

512MB base memory

12.1" TFT LCD LCD display

CXT AC97 V.92 CDC Modem

2.5" HDD: HITACHI Travelstar DK13FA-30B 30.0GB, Format: NTFS

Transfer mode: Ultra-DMA100

IDE controller: Intel ICH-4M IDE controller

Li-Ion Battery Pack (27.36Wh/14.40V) P/N: IBM-92P0998

Manufacturer: SANYO

Intel 855GME (Montara GM+) graphic chip 64MB UMA

Display driver: 1ud153ww (6.14.10.3879)

Resolution: 1024 x 768 pixle, 16bit color color, 60Hz refresh

Operating system: Windows XP with ServicePack: SP2, DirectX: 9.0c

ThinkPad X40 (M/T 2371-SE2 with 802.11 a/b/g wireless)

Time: 3:32

Intel - Pentium-M LV at 1.3GHz

1MB L2 cache

512MB base memory

12.1" XGA TFT LCD (Samsung-Sumida) LCD display

CXT AC97 V.92 56k Modem

2.5" HDD: HGST DK14FA-40B 40.0GB, Format: NTFS

Transfer mode: Ultra-DMA100

IDE controller: Intel ICH4-M IDE controller

Li-Ion Battery Pack (27.36Wh/14.4V) P/N: 92P0998

Manufacturer: SANYO

Intel Montara + graphic chip 64MB UMA

Display driver: 6.14.10.3722 (1ud120ww)

Resolution: 1024 x 768 pixel, 16bit color color, 60Hz refresh

Operating system: Windows XP with ServicePack: SP1, DirectX: 9.0b

ThinkPad X40 (M/T 2371-8NM with extended battery)

Time: 11:05

Intel - Pentium-M LV at 1.2GHz

1MB L2 cache

512MB base memory

12.1" XGA TFT LCD (IDT) LCD display

CXT AC97 V.92 56k Modem

2.5" HDD: HGST DK14FA-40B 40.0GB, Format: NTFS

Transfer mode: Ultra-DMA100

IDE controller: Intel ICH4-M IDE controller

Li-Ion Battery Pack ((61.92Wh/14.40V) / (27.36Wh/14.40V)) P/N: 92P1002 / 92P1006

Manufacturer: SANYO / SANYO

Intel Montara + graphic chip 64MB UMA

Display driver: 6.14.10.3722 (1ud120ww)

Resolution: 1024 x 768 pixel, 16bit color color, 60Hz refresh

Operating system: Windows XP with ServicePack: SP1, DirectX: 9.0b

ThinkPad X40 (M/T 2371-8NM)

Time: 7:49

Intel - Pentium-M LV at 1.2GHz

1MB L2 cache

512MB base memory

12.1" XGA TFT LCD (IDT) LCD display

CXT AC97 V.92 56k Modem
2.5" HDD: HGST DK14FA-40B 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (61.92Wh/14.40V) P/N: 92P1002
Manufacturer: SANYO
Intel Montara + graphic chip 64MB UMA
Display driver: 6.14.10.3722 (1ud120ww)
Resolution: 1024 x 768 pixel, 16bit color color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP1, DirectX: 9.0b

ThinkPad X40 (M/T 2382-72U with 802.11 a/b/g wireless)

Time: 3:36
Intel - Pentium-M LV at 1.2GHz
1MB L2 cache
512MB base memory
12.1" XGA TFT LCD (IDT) LCD display
CXT AC97 V.92 56k Modem
2.5" HDD: HGST DK14FA-40B 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (27.36Wh/14.4V) P/N: 92P0998
Manufacturer: SANYO
Intel Montara + graphic chip 64MB UMA
Display driver: 6.14.10.3722 (1ud120ww)
Resolution: 1024 x 768 pixel, 16bit color color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP1, DirectX: 9.0b

ThinkPad X32 (M/T 2672-KMV)

Time: 6:14
Intel - Pentium M Dothan at 2.0GHz
2.0MB L2 cache
1.0GB(Micron 512MBx2) base memory
12.1" XGA TFT LCD LCD display
Agere AC'97 Modem Modem
2.5" HDD: HGST Travelstar IC25N080ATMR04-0 80.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion 6cell Battery Pack (51.83Wh/10.8V/2.4Ah) P/N: IBM-92P1096
Manufacturer: Panasonic
ATI Mobile Radeon M6 graphic chip 16MB DRAM
Display driver: 1RD630WW (8.102-050201a-020938C)
Resolution: 1024 x 768 pixel, 16bit color color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP2, DirectX: 9.0c

ThinkPad X32 (M/T 2672-85U)

Time: 6:20
Intel - Pentium M Dothan at 1.7GHz
2.0MB L2 cache
256MB (Infineon) base memory
12.1" XGA TFT LCD LCD display
Agere AC'97 Modem Modem
2.5" HDD: FUJITSU MHT2040AT 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion 6cell Battery Pack (51.83Wh/10.8V/2.4Ah) P/N: IBM-92P1096

Manufacturer: Panasonic
ATI Mobile Radeon M6 graphic chip 16MB DRAM
Display driver: 1RD630WW (8.102-050201a-020938C)
Resolution: 1024 x 768 pixel, 16bit color color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP2, DirectX: 9.0c

ThinkPad X32 (M/T 2672-83U)

Time: 6:19
Intel - Pentium M Dothan at 1.7GHz
2.0MB L2 cache
256MB (Infineon) base memory
12.1" XGA TFT LCD LCD display
Agere AC'97 Modem Modem
2.5" HDD: FUJITSU Travelstar MHT2040AT 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion 6cell Battery Pack (51.83Wh/10.8V/2.4Ah) P/N: IBM-92P1096
Manufacturer: Panasonic
ATI Mobile Radeon M6 graphic chip 16MB DRAM
Display driver: 1RD630WW (8.102-050201a-020938C)
Resolution: 1024 x 768 pixel, 16bit color color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP2, DirectX: 9.0c

ThinkPad X31 (M/T 2672-5UU)

Time: 5:55
Intel - Pentium M (Banias) at 1.7GHz
1MB L2 cache
256MB base memory
12.1" XGA TFT LCD LCD display
Agere AC'97 Modem
2.5" HDD: HGST Travelstar IC25N040ATMR04-0 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/ 2.2Ah/ 47.52) P/N: 08K8040
Manufacturer: SANYO
ATI Mobile Radeon M6 graphic chip 16MB DRAM
Display driver: 1rd443ww (7.911-030701m1-010183E-IBM)
Resolution: 1024 x 768 pixel, 16bit color color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP1, DirectX: 9.0b

ThinkPad X31 (M/T 2672-58U)

Time: 5:57
Intel - Pentium M (Banias) at 1.7GHz
1MB L2 cache
256MB base memory
12.1" XGA TFT LCD LCD display
Agere AC'97 Modem
2.5" HDD: HGST Travelstar IC25N040ATMR04-0 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/ 2.2Ah/ 47.52) P/N: 08K8040
Manufacturer: SANYO
ATI Mobile Radeon M6 graphic chip 16MB DRAM
Display driver: 1RD459WW (7.933.2.1-031120a-012449E-IBM)
Resolution: 1024 x 768 pixel, 16bit color color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP1, DirectX: 9.0b

ThinkPad X31 (M/T 2672-38U)

Time: 6:09
Intel - Pentium M (Banias) at 1.5GHz
1MB L2 cache
256MB base memory
12.1" XGA TFT LCD LCD display
Agere AC'97 Modem
2.5" HDD: HGST Travelstar IC25N030ATMR04-0 30.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/ 2.2Ah/ 47.52) P/N: 08K8040
Manufacturer: SANYO
ATI Mobile Radeon M6 graphic chip 16MB DRAM
Display driver: 1RD459WW (7.933.2.1-031120a-012449E-IBM)
Resolution: 1024 x 768 pixel, 16bit color color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP1, DirectX: 9.0a

ThinkPad X31 (M/T 2672-RHU)

Time: 5:58
Intel - Pentium M at 1.6GHz
1MB L2 cache
512MB base memory
12.1" XGA TFT LCD LCD display
Agere systems AC'97 Model Modem
2.5" HDD: IBM IC25N040ATCS05-0 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/ 2.2Ah/ 47.52) P/N: IBM-08K8040
Manufacturer: SANYO
ATI Mobile Radeon M6 graphic chip 16MB DRAM
Display driver: 1RD443WW (7.911-030701m1-010183E)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP1, DirectX: 9.0a

ThinkPad X31 (M/T 2672-REU)

Time: 5:55
Intel - Pentium M at 1.6GHz
1MB L2 cache
512MB base memory
12.1" XGA TFT LCD LCD display
Agere systems AC'97 Modem
2.5" HDD: HGST IC25N040ATCS05-0 40.0FB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/ 2.2Ah/ 47.52) P/N: IBM-08K8040
Manufacturer: SANYO
ATI Mobile Radeon M6 graphic chip 16MB DRAM
Display driver: 1RD443WW (7.911-030701m1-010183E)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP1, DirectX: 9.0a

ThinkPad X31 (M/T 2672-PXU)

Time: 5:38
Intel - Pentium M at 1.6GHz
1MB L2 cache

256MB base memory
12.1" XGA TFT LCD LCD display
Agere systems AC'97 Model Modem
2.5" HDD: FUJITSU MHT2040AT 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/ 2.2Ah/ 47.52) P/N: IBM-08K8039
Manufacturer: Panasonic
ATI Mobile Radeon M6 graphic chip 16MB DRAM
Display driver: 1RD443WW (7.911-030701m1-010183E)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP1, DirectX: 9.0a

ThinkPad X31 (M/T 2672-P7U)

Time: 6:14
Intel - Pentium M at 1.6GHz
1MB L2 cache
256MB base memory
12.1" XGA TFT LCD LCD display
Agere systems AC'97 Modem
2.5" HDD: HGST IC25N040ATMR-04-0 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/ 2.2Ah/ 47.52) P/N: IBM-08K8040
Manufacturer: SANYO
ATI Mobile Radeon M6 graphic chip 16MB DRAM
Display driver: 1RD443WW (7.911-030701m1-010183E)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP1, DirectX: 9.0a

ThinkPad X31 (M/T 2672-N7U)

Time: 6:22
Intel - Pentium M at 1.6GHz
1MB L2 cache
256MB base memory
12.1" XGA TFT LCD LCD display
Agere systems AC'97 Modem
2.5" HDD: FUJITSU Travelstar MHT2040AT 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/ 2.2Ah/ 47.52) P/N: IBM-08K8039
Manufacturer: Panasonic
ATI Mobile Radeon M6 graphic chip 16MB DRAM
Display driver: 1RD443WW (7.911-030701m1-010183E)
Resolution: 1024 x 768 pixel, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: SP1, DirectX: 9.0a

ThinkPad X31 (M/T 2672-JHU)

Time: 6:01
Intel - Banias at 1.4G/600MHz
1024kB L2 cache
256MB(SEC) base memory
12.1" XGA TFT LCD display
Agere MDC 56k V.90 AC'97 Modem
2.5" HDD: IBM Travelstar IC25N040ATCS04-0 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100

IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (2.2Ah/ 10.8V/ 47.52Wh) P/N: 08K8039
Manufacturer: Panasonic
ATI Mobile RADEON M6C graphic chip 16MB DRAM
Display driver: 1RD411WW (7.79.7.3.3.030116a-007563C-IBM)
Resolution: 1025 x 768 pixels, 16bit color color, 60Hz refresh
Operating system: Windows XP Professional with ServicePack: SP1, DirectX: 8.1

ThinkPad X31 (M/T 2672-CXU)

Time: 5:45
Intel - Banias at 1.4G/600MHz
1024kB L2 cache
256MB base memory
12.1" XGA TFT LCD display
Agere MDC 56k V.90 AC'97 Modem
2.5" HDD: IBM Travelstar IC25N040ATCS04-0 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (2.2Ah/ 10.8V/ 47.52Wh) P/N: 08K8039
Manufacturer: Panasonic
ATI Mobile RADEON M6C graphic chip 16MB DRAM
Display driver: 1RD411WW (7.79.7.3.3.030116a-007563C-IBM)
Resolution: 1025 x 768 pixels, 16bit color color, 60Hz refresh
Operating system: Windows XP Professional with ServicePack: SP1, DirectX: 8.1

ThinkPad X31 (M/T 2672-CBU)

Time: 6:03
Intel - Banias at 1.4G/600MHz
1024kB L2 cache
256MB base memory
12.1" XGA TFT LCD display
Agere MDC 56k V.90 AC'97 Modem
2.5" HDD: IBM Travelstar IC25N040ATCS04-0 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (2.2Ah/ 10.8V/ 47.52Wh) P/N: 08K8039
Manufacturer: Panasonic
ATI Mobile RADEON M6C graphic chip 16MB DRAM
Display driver: 1RD411WW (7.79.7.3.3.030116a-007563C-IBM)
Resolution: 1025 x 768 pixels, 16bit color color, 60Hz refresh
Operating system: Windows XP Professional with ServicePack: SP1, DirectX: 8.1

ThinkPad X31 (M/T 2672-C2U)

Time: 6:16
Intel - Banias at 1.4G/600MHz
1024kB L2 cache
256MB base memory
12.1" XGA TFT LCD display
Agere MDC 56k V.90 AC'97 Modem
2.5" HDD: IBM Travelstar IC25N040ATCS04-0 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (2.2Ah/ 10.8V/ 47.52Wh) P/N: 08K8039
Manufacturer: Panasonic
ATI Mobile RADEON M6C graphic chip 16MB DRAM
Display driver: 1RD411WW (7.79.7.3.3.030116a-007563C-IBM)

Resolution: 1025 x 768 pixels, 16bit color color, 60Hz refresh
Operating system: Windows XP Professional with ServicePack: SP1, DirectX: 8.1

ThinkPad X31 (M/T 2672-BBU)

Time: 5:50
Intel - Banias at 1.3G/600MHz
1024kB L2 cache
256MB base memory
12.1" XGA TFT LCD display
Agere MDC 56k V.90 AC'97 Modem
2.5" HDD: Hitachi DK23EA-20 20.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (2.2Ah/ 10.8V/ 47.52Wh) P/N: 08K8040
Manufacturer: SANYO
ATI Mobile RADEON M6C graphic chip 16MB DRAM
Display driver: 1RD411WW (7.79.7.3.3.030116a-007563C-IBM)
Resolution: 1025 x 768 pixels, 16bit color color, 60Hz refresh
Operating system: Windows XP Professional with ServicePack: SP1, DirectX: 8.1

ThinkPad X31 (M/T 2672-B2U)

Time: 6:02
Intel - Banias at 1.3G/600MHz
1024kB L2 cache
256MB base memory
12.1" XGA TFT LCD display
Agere MDC 56k V.90 AC'97 Modem
2.5" HDD: IBM Travelstar IC25N020ATCS04-0 20.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (2.2Ah/ 10.8V/ 47.52Wh) P/N: 08K8040
Manufacturer: SANYO
ATI Mobile RADEON M6C graphic chip 16MB DRAM
Display driver: 1RD411WW (7.79.7.3.3.030116a-007563C-IBM)
Resolution: 1025 x 768 pixels, 16bit color color, 60Hz refresh
Operating system: Windows XP Professional with ServicePack: SP1, DirectX: 8.1

Power management setting & system/utility setting

BIOS PM: Default
· System standby - 5 minutes
· Turn off monitor - 5 minutes
· Turn off HDD - 3 minutes

Windows PM:
· System standby - Never
· Turn off monitor - Never
· Turn off HDD - 3 minutes

Brightness setting: Medium (5/8 Level 4/7 Bars)

Measurement tool

Ziff Davis Media Business Winstone 2002 BatteryMark 1.0
Average of 3 life tests after one conditioning phase

ThinkPad X30 (M/T 2672-4XU)

Time: 4:31

Intel - Mobile Pentium III-M at 1200/800MHz

512kB L2 cache

256MB base memory

12.1" XGA TFT LCD display

Cisco 802.11b Wireless & Ethernet & Agere AC97 56k Modem

2.5" HDD: HITACHI DK23EA-40B 40.0GB, Format: NTFS

Transfer mode: Ultra-DMA100

IDE controller: Intel ICH3-M IDE controller

One Li-Ion Battery Pack (2.2Ah /10.8V /47.25Wh) P/N: IBM-08K8035

Manufacturer: Panasonic

Intel 830MG graphic chip 32MB internal

Display driver: 6.13.01.3162

Resolution: 1024 x 768, 16 bit color, 60Hz refresh

Operating system: Windows XP US with ServicePack: n/a, DirectX: 8.1

ThinkPad X30 (M/T 2672-4HU)

Time: 4:57

Intel - Mobile Pentium III-M at 1200/800MHz

512kB L2 cache

256MB base memory

12.1" XGA TFT LCD display

Intel 802.11b Wireless & Ethernet & Agere AC97 56k Modem

2.5" HDD: IBM Travelstar IC25N040ATCS04-0 40.0GB, Format: NTFS

Transfer mode: Ultra-DMA100

IDE controller: Intel ICH3-M IDE controller

One Li-Ion Battery Pack (2.2Ah /10.8V /47.25Wh) P/N: IBM-08K8035

Manufacturer: Panasonic

Intel 830MG graphic chip 32MB internal

Display driver: 6.13.01.3162

Resolution: 1024 x 768, 16 bit color, 60Hz refresh

Operating system: Windows XP US with ServicePack: n/a, DirectX: 8.1

ThinkPad X30 (M/T 2672-42U)

Time: 5:13

Intel - Mobile Pentium III-M at 1200/800MHz

512kB L2 cache

256MB base memory

12.1" XGA TFT LCD display

Agere ac97 modem

2.5" HDD: IBM Travelstar IC25N040ATCS04-0 40.0GB, Format: NTFS

Transfer mode: Ultra-DMA100

IDE controller: Intel ICH3-M IDE controller

One Li-Ion Battery Pack (2.2Ah /10.8V /47.25Wh) P/N: IBM-08K8035

Manufacturer: Panasonic

Intel 830MG graphic chip 32MB internal

Display driver: 6.13.01.3162

Resolution: 1024 x 768, 16 bit color, 60Hz refresh

Operating system: Windows XP US with ServicePack: n/a, DirectX: 8.1

ThinkPad X30 (M/T 2672-1BU)

Time: 4:39

Intel - Mobile Pentium III-M at 1066/733MHz

512kB L2 cache

128MB base memory

12.1" XGA TFT LCD display
Intel 802.11b Wireless & Ethernet & Agere AC97 56k Modem
2.5" HDD: IBM Travelstar DK23DA-20F 20.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
One Li-Ion Battery Pack (2.2Ah /10.8V /47.25Wh) P/N: IBM-08K8035
Manufacturer: Panasonic
Intel 830MG graphic chip 32MB internal
Display driver: 1KD323WW (6.13.01.3162)
Resolution: 1024 x 768, 16 bit color, 60Hz refresh
Operating system: Windows XP US with ServicePack: n/a, DirectX: 8.1

ThinkPad X30 (M/T 2672-12U)

Time: 5:07
Intel - Mobile Pentium III-M at 1066/733MHz
512kB L2 cache
128MB base memory
12.1" XGA TFT LCD display
Agere ac97 modem
2.5" HDD: IBM Travelstar IC25N020ATCS-0 20.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
One Li-Ion Battery Pack (2.2Ah/ 10.8V/ 47.52Wh) P/N: IBM-08K8036
Manufacturer: SANYO
Intel 830MG graphic chip 32MB internal
Display driver: 6.13.01.3162
Resolution: 1024 x 768, 16 bit color, 60Hz refresh
Operating system: Windows XP US with ServicePack: n/a, DirectX: 8.1

ThinkPad X30 (M/T 2672-4XU)

Time: 8:10
Intel - Mobile Pentium III-M at 1200/800MHz
512kB L2 cache
256MB base memory
12.1" XGA TFT LCD display
Cisco 802.11b Wireless & Ethernet & Agere AC97 56k Modem
2.5" HDD: HITACHI DK23EA-40B 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
Two Li-Ion Battery Packs:
 (2.2Ah /10.8V /47.25Wh) P/N: IBM-08K8035 Manufacturer: Panasonic
 (1.8Ah /10.8V /38.88Wh) P/N: IBM-02K7042 Manufacturer: Sanyo

Intel 830MG graphic chip 32MB internal
Display driver: 6.13.01.3162
Resolution: 1024 x 768, 16 bit color, 60Hz refresh
Operating system: Windows XP US with ServicePack: n/a, DirectX: 8.1

ThinkPad X30 (M/T 2672-4HU)

Time: 8:50
Intel - Mobile Pentium III-M at 1200/800MHz
512kB L2 cache
256MB base memory
12.1" XGA TFT LCD display
Intel 802.11b Wireless & Ethernet & Agere AC97 56k Modem
2.5" HDD: IBM Travelstar IC25N040ATCS04-0 40.0GB, Format: NTFS

Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
Two Li-Ion Battery Packs:
 (2.2Ah /10.8V /47.25Wh) P/N: IBM-08K8035 Manufacturer: Panasonic
 (1.8Ah /10.8V /38.88Wh) P/N: IBM-02K7042 Manufacturer: Sanyo
Intel 830MG graphic chip 32MB internal
Display driver: 6.13.01.3162
Resolution: 1024 x 768, 16 bit color, 60Hz refresh
Operating system: Windows XP US with ServicePack: n/a, DirectX: 8.1

ThinkPad X30 (M/T 2672-42U)

Time: 9:22
Intel - Mobile Pentium III-M at 1200/800MHz
512kB L2 cache
256MB base memory
12.1" XGA TFT LCD display
Agere ac97 modem
2.5" HDD: IBM Travelstar IC25N040ATCS04-0 40.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
Two Li-Ion Battery Packs:
 (2.2Ah /10.8V /47.25Wh) P/N: IBM-08K8035 Manufacturer: Panasonic
 (1.8Ah /10.8V /38.88Wh) P/N: IBM-02K7042 Manufacturer: Sanyo
Intel 830MG graphic chip 32MB internal
Display driver: 6.13.01.3162
Resolution: 1024 x 768, 16 bit color, 60Hz refresh
Operating system: Windows XP US with ServicePack: n/a, DirectX: 8.1

ThinkPad X30 (M/T 2672-1BU)

Time: 8:20
Intel - Mobile Pentium III-M at 1066/733MHz
512kB L2 cache
128MB base memory
12.1" XGA TFT LCD display
Intel 802.11b Wireless & Ethernet & Agere AC97 56k Modem
2.5" HDD: IBM Travelstar DK23DA-20F 20.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller
Two Li-Ion Battery Packs:
 (2.2Ah /10.8V /47.25Wh) P/N: IBM-08K8035 Manufacturer: Panasonic
 (1.8Ah /10.8V /38.88Wh) P/N: IBM-02K7042 Manufacturer: Sanyo
Intel 830MG graphic chip 32MB internal
Display driver: 6.13.01.3162
Resolution: 1024 x 768, 16 bit color, 60Hz refresh
Operating system: Windows XP US with ServicePack: n/a, DirectX: 8.1

ThinkPad X30 (M/T 2672-12U)

Time: 9:12
Intel - Mobile Pentium III-M at 1066/733MHz
512kB L2 cache
128MB base memory
12.1" XGA TFT LCD display
Agere ac97 modem
2.5" HDD: IBM Travelstar IC25N020ATCS-0 20.0GB, Format: NTFS
Transfer mode: Ultra-DMA100
IDE controller: Intel ICH3-M IDE controller

Two Li-Ion Battery Packs:

(2.2Ah /10.8V /47.25Wh) P/N: IBM-08K8036 Manufacturer: Sanyo

(1.8Ah /10.8V /38.88Wh) P/N: IBM-02K7042 Manufacturer: Sanyo

Intel 830MG graphic chip 32MB internal

Display driver: 6.13.01.3162

Resolution: 1024 x 768, 16 bit color, 60Hz refresh

Operating system: Windows XP US with ServicePack: n/a, DirectX: 8.1

ThinkPad X24 (M/T 2662-MWU)

Time: 4:07

Intel - Mobile Pentium III-M at 1133/733MHz

512KB L2 cache

256MB base memory

12.1"XGA TFT LCD LCD display

802.11b Wireless & Ethernet & 56k Modem

2.5" HDD: IBM Travelstar IC25N030ATCS04-0 30.0GB, Format: NTFS

Transfer mode: Ultra-DMA100

IDE controller: Intel ICH3-M IDE controller

Li-Ion Battery Pack (10.8V /2.0Ah / 43.2Wh) P/N: IBM-02k6760

Manufacturer: Panasonic

ATI Mobile Radeon M6 graphic chip 8MB SDRAM

Display driver: 1ED411WW (7.61.03-011002b-1591C-IBM)

Resolution: 1024 x 768 pixels, 16bit color color, 60Hz refresh

Operating system: WindowsXP US with ServicePack: N/A, DirectX: 8.1

ThinkPad X24 (M/T 2662-MLU)

Time 4:23

Intel - Mobile Pentium III-M at 1133/733MHz

512KB L2 cache

256MB base memory

12.1"XGA TFT LCD LCD display

Lucent V.90 AC97 modem Bluetooth

2.5" HDD: IBM Travelstar IC25N030ATCS04-0 30.0GB, Format: NTFS

Transfer mode: Ultra-DMA100

IDE controller: Intel ICH3-M IDE controller

Li-Ion Battery Pack (10.8V /2.0Ah / 43.2Wh) P/N: IBM-02k6760

Manufacturer: Panasonic

ATI Mobile Radeon M6 graphic chip 8MB SDRAM

Display driver: 1ED411WW (7.61.03-011002b-1591C-IBM)

Resolution: 1024 x 768 pixels, 16bit color color, 60Hz refresh

Operating system: WindowsXP US with ServicePack: N/A, DirectX: 8.1

ThinkPad X24 (M/T 2662-MPU)

Time 4:20

Intel - Mobile Pentium III-M at 1133/733MHz

512kB L2 cache

256MB base memory

2.1" XGA TFT LCD LCD display

Lucent Win Modem

2.5" HDD: Hitachi DK32DA-30B 30.0GB, Format: FAT32

Transfer mode: Ultra-DMA100

IDE controller: intel ICH3-M IDE controller

Li-Ion Battery Pack (10.8V / 4.0Ah / 43.2Wh) P/N: IBM-02K6760

Manufacturer: Panasonic

ATI Mobile Radeon graphic chip 8MB SDRAM

Display driver: 1ED316WW (7.57.02_010719b-929C)

Resolution: 1024 x 768 pixels, 16bit color color, 60Hz refresh
Operating system: Windows2000 US with ServicePack: SP2, DirectX: 8.0

ThinkPad X23 (M/T 2662-EDU)

Time: 4:42

Intel Mobile Pentium III processor-M at 533/866 MHz with Intel SpeedStep technology - 1 CPU
512KB L2 cache
128MB base memory
12.1" XGA LCD display
802.11b Wireless & Ethernet & 56k Modem
2.5" HDD: IBM Travelstar IC25N030ATDA04-0 30GB, Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 4.0Ah) P/N: 02K6761
Manufacturer: Panasonic
ATI Rage Mobility Radeon M6 graphic chip integrated 8MB DDR-SDRAM
Display driver: 1ED117WW (7.57.02)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct x 8.0a

ThinkPad X23 (M/T 2662-E6U)

Time: 5:11

Intel Mobile Pentium III processor-M at 533/866 MHz with Intel SpeedStep technology - 1 CPU
512KB L2 cache
128MB base memory
12.1" XGA LCD display
Bluetooth & Ethernet & 56k Modem
2.5" HDD: IBM Travelstar IC25N030ATDA04-0 30GB, Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 4.0Ah) P/N: 02K6761
Manufacturer: Panasonic
ATI Rage Mobility Radeon M6 graphic chip integrated 8MB DDR-SDRAM
Display driver: 1ED117WW (7.57.02)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct x 8.0a

ThinkPad X23 (M/T 2662-E5U)

Time: 5:13

Intel Mobile Pentium III processor-M at 533/866 MHz with Intel SpeedStep technology - 1 CPU
512KB L2 cache
128MB base memory
12.1" XGA LCD display
Ethernet & 56k Modem
2.5" HDD: IBM Travelstar IC25N030ATDA04-0 30GB, Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 4.0Ah) P/N: 02K6761
Manufacturer: Panasonic
ATI Rage Mobility Radeon M6 graphic chip integrated 8MB DDR-SDRAM
Display driver: 1ED117WW (7.57.02)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct x 8.0a

ThinkPad X23 (M/T 2662-D5U)

Time: 2:58

Intel Mobile Pentium III processor-M at 500/800 MHz with Intel SpeedStep technology - 1 CPU
512KB L2 cache
128MB base memory
12.1" XGA LCD display
Ethernet & 56k Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (14.4V, 1.8Ah) P/N:
Manufacturer: Panasonic
ATI Rage Mobility Radeon M6 graphic chip integrated 8MB DDR-SDRAM
Display driver: 1ED117WW (7.57.02)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct x 8.0a

ThinkPad X22 (M/T 2662-9DU)

Time: 4:39

Intel Mobile Pentium III at 800MHz with Intel SpeedStep technology - 1 CPU
512KB L2 cache
128MB base memory
12.1" XGA LCD display
802.11b Wireless & Ethernet & 56k Modem
2.5" HDD: Hitachi DK23CA-20 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 4.0Ah) P/N: 02K6761
Manufacturer: Panasonic
ATI Rage Mobility Radeon M6 graphic chip integrated 8MB DDR-SDRAM
Display driver: IED316WWW
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 2000 with Direct X 7.0

ThinkPad X22 (M/T 2662-95U)

Time: 4:45

Intel Mobile Pentium III at 800MHz with Intel SpeedStep technology - 1 CPU
512KB L2 cache
128MB base memory
12.1" XGA LCD display
Ethernet & 56k Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 4.0Ah) P/N: 02K6759
Manufacturer: Sanyo
ATI Rage Mobility Radeon M6 graphic chip integrated 8MB DDR-SDRAM
Display driver: IED316WWW
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 2000 with Direct X 7.0

ThinkPad X22 (M/T 2662-92U)

Time: 5:17

Intel Mobile Pentium III at 800MHz with Intel SpeedStep technology - 1 CPU
512KB L2 cache
128MB base memory
12.1" XGA LCD display

56k Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 4.0Ah) P/N: 02K6759
Manufacturer: Sanyo
ATI Rage Mobility Radeon M6 graphic chip integrated 8MB DDR-SDRAM
Display driver: IED316WW
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 2000 with Direct X 7.0

ThinkPad X22 (M/T 2662-85U)

Time: 2:52
Intel Mobile Pentium III at 733zMHz with Intel SpeedStep technology - 1 CPU
512KB L2 cache
128MB base memory
12.1" XGA LCD display
56k V.90 Modem
2.5" HDD: Hitachi DK23CA-10 10GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (14.4V, 2.0Ah) P/N: 02K6838
Manufacturer: Sanyo
ATI Rage Mobility Radeon M6 graphic chip integrated 8MB DDR-SDRAM
Display driver: IED316WW
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 2000 with Direct X 7.0

Power management setting & system/utility setting

BIOS PM: Default

- System standby - 5 minutes
- Turn off monitor - 5 minutes
- Turn off HDD - 3 minutes

Windows PM:

- System standby - Never
- Turn off monitor - Never
- Turn off HDD - Never

Brightness setting: Medium (5/8 Level 4/7 Bars)

Measurement tool

Ziff Davis BatteryMark 4.0.1

Average of three life tests

ThinkPad X21 (M/T 2662-64U)

Time: 4:51
Intel Mobile Pentium III at 700MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
128MB base memory
12.1" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6Ah) P/N: 02K6679
Manufacturer: Sanyo
ATI Rage Mobility M graphic chip integrated 4MB SDRAM
Display driver: IWD121WW (version M6.11.35-T01)
Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad X21 (M/T 2662-41U)

Time: 2:54
Intel Mobile Pentium III at 600MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
64MB base memory
12.1" SVGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (14.4V, 1.6Ah) P/N: 02K6678
Manufacturer: Sanyo
ATI Rage Mobility M graphic chip integrated 4MB SDRAM
Display driver: IWD121WW (version M6.11.35-T01)
Resolution: 800x600 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad X20 (M/T 2661-11U)

Time: 2:21
Intel Mobile Celeron at 500MHz - 1 CPU
128KB L2 cache
64MB base memory
12.1" SVGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (14.4V, 1.6Ah)
Manufacturer: Sanyo
ATI Mobility-M1 graphic chip integrated 4MB SGRAM
Display driver: ATI2DRAB
Resolution: 800x600 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad X20 (M/T 2662-31U)

Time: 4:13
Intel Mobile Pentium III at 600MHz with Intel SpeedStep technology - 1 CPU
128KB L2 cache
64MB base memory
12.1" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel PIIX4M IDE controller
Li-Ion Battery Pack (10.8V, 3.6Ah)
Manufacturer: Sanyo
ATI Mobility-M1 graphic chip integrated 4MB SGRAM
Display driver: ATI2DRAB

Resolution: 1024x768 64K color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

Power management setting & system/utility setting

BIOS PM: Default

- System standby - 5 minutes
- Turn off monitor - 5 minutes
- Turn off HDD - 3 minutes

Windows PM:

- System standby - Never
- Turn off monitor - Never
- Turn off HDD - 3 minutes
- Never close "Battery MaxiMiser Gauge"

Brightness setting: Medium:(3/7 Bars)

Measurement tool

Ziff Davis BatteryMark 3.0 or 4.0

Average of three or five life tests

ThinkPad R Series

System conditions

ThinkPad R52 (M/T 1846-37U)

Time: 3:49

Intel - Pentium-M Processor (Dothan) at 2.13 GHz

2MB L2 cache

1GB / Samsung base memory

24x24x24x24x10x8x8x4x3x8x4x3x Rambo4

15" TFT XGA LCD display

Foxconn Hermes (BMDC3) Modem

2.5" HDD: HGST Travelstar IC25N080ATMR04-0 80GB, Format: NTFS

Transfer mode: Ultra-DMA

IDE controller: Intel ICH6-M IDE controller

Li-ion 6cell Battery Pack (10.8V / 2.2A) P/N: 92P1011

Manufacturer: Sony

M22-64 ATI Mobility-RADEON X300 graphic chip 64MB DDR SGRAM

Display driver: 1YD132WW (6.14.10.6497 ATI)

Resolution: 1024 x 768, 16bit color, 60Hz refresh

Operating system: Windows XP Pro US with ServicePack: 2, DirectX: 9.0C

ThinkPad R52 (M/T 1854-4MU)

Time: 3:31

Intel - Dothan at 2.0GHz

2MB L2 cache

512MB base memory

8x/24/10x/24x Combo

15" TFT SXGA+ LCD display

Actiontec BMDC Modem

2.5" HDD: HGST Travelstar 39T2515 80GB, Format: NTFS

Transfer mode: UltraDMA Mode5

IDE controller: Intel ICH6-M IDE controller

Li-ion 6cell Battery Pack (10.8V / 2.2A) P/N: 92P1011

Manufacturer: Sony

Intel 915GM graphic chip Allocate Memory Sharing
Display driver: 70D110WW (6.14.10.3984)
Resolution: 1400x1050, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP2, DirectX: 9.0C

ThinkPad R52 (M/T 1854-3BU)

Time: 3:53
Intel - Dothan at 1.73GHz
2MB L2 cache
512MB base memory
8x/24/10x/24x Combo
14" TFT XGA LCD display
Actiontec BMDC Modem
2.5" HDD: HGST Travelstar 39T2513 40GB, Format: NTFS
Transfer mode: UltraDMA Mode5
IDE controller: Intel ICH6-M IDE controller
Li-Ion Battery Pack (10.8V / 2.2A) P/N: 92P1060
Manufacturer: Panasonic 6cell
Intel 915GM graphic chip Allocate Memory Sharing
Display driver: 70D110WW (6.14.10.3984)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP2, DirectX: 9.0C

ThinkPad R50e (M/T 1834-X3U)

Time: 5:07
Intel - Dothan at 2.0GHz
2MB L2 cache
256MB base memory
Multi Burner
15" XGA LCD display
Ambit MDC 56k Modem
2.5" HDD: HGST Travelstar 39T2515 80GB, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: 92P1060
Manufacturer: Panasonic
Intel 855GM graphic chip Allocate Memory Sharing
Display driver: 1UD153WW (6.14.10.3879)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: WindowsXP Pro with ServicePack: SP2, DirectX: 9

ThinkPad R50e (M/T 1834-X1U)

Time: 3:45
Intel - Dothan Celeron at 1.5GHz
512KB L2 cache
256MB base memory
24x CD-ROM
14" XGA LCD display
Ambit MDC 56k Modem
2.5" HDD: HGST Travelstar 39T2514 60GB, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: 08K8193
Manufacturer: Sanyo
Intel 855GM graphic chip Allocate Memory Sharing
Display driver: 1UD153WW (6.14.10.3879)

Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: WindowsXP Pro with ServicePack: SP2, DirectX: 9

ThinkPad R51 (M/T 2887-HVU)

Time: 4:54
Intel - Dothan at 1.8GHz
2MB L2 cache
512MB base memory
8x/4x/3x/8x/4x/16x/10x DVD-Multi
15" XGA LCD display
Ambit MDC 56k Modem
2.5" HDD: Hitachi Travelstar 13N6706 60G, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: 08K8193
Manufacturer: Sanyo
Intel 855GM+ graphic chip Allocate Memory Sharing
Display driver: 1UD153WW (6.14.10.3879)
Resolution: 1024x768, 16 bit color, 60Hz refresh
Operating system: WindowsXP Pro with Service Pack: SP2, DirectX: 9

System conditions

ThinkPad R51 (M/T 2887-G8J)

Time: 3:59
Intel - Baniyas Celeron at 1.5GHz
512KB L2 cache
256MB base memory
8x/4x/3x/8x/4x/16x/10x DVD-Multi
15" XGA LCD display
Ambit MDC 56k Modem
2.5" HDD: Fujitsu 92P6036 30G, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: 08K8193
Manufacturer: Sanyo
Intel 855GM+ graphic chip Allocate Memory Sharing
Display driver: 1UD153WW (6.14.10.3879)
Resolution: 1024x768, 16 bit color, 60Hz refresh
Operating system: WindowsXP Pro with Service Pack: SP2, DirectX: 9

ThinkPad R51 (M/T 2888-FGU)

Time: 5:16
Intel - Dothan at 1.5GHz
2MB L2 cache
256MB base memory
24x/24x/24x/8x COMBO
14" XGA LCD display
Ambit MDC 56k Modem
2.5" HDD: Hitachi Travelstar 92P6592 40G, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: 92P1011
Manufacturer: Sony
Intel 855GM+ graphic chip Allocate Memory Sharing
Display driver: 1UD153WW (6.14.10.3879)

Resolution: 1024x768, 16 bit color, 60Hz refresh
Operating system: WindowsXP Pro with Service Pack: SP2, DirectX: 9

ThinkPad R51 (M/T 2887-F9U)

Time: 3:33
Intel - Dothan Celeron at 1.4GHz
512KB L2 cache
512MB base memory
24x/24x/24x/8x COMBO
14" XGA LCD display
Ambit MDC 56k Modem
2.5" HDD: Hitachi Travelstar 13N6818 30G, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: 08K8193
Manufacturer: Sanyo
Intel 855GM+ graphic chip Allocate Memory Sharing
Display driver: 1UD153WW (6.14.10.3879)
Resolution: 1024x768, 16 bit color, 60Hz refresh
Operating system: WindowsXP Pro with Service Pack: SP2, DirectX: 9

ThinkPad R51 (M/T 2887-68U)

Time: 5:14
Intel - Baniyas at 1.6GHz
1MB L2 cache
256MB base memory
24x CD-ROM
15" XGA LCD display
Ambit MDC 56k V.90 Modem
2.5" HDD: Hitachi Travelstar TBF 40G, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: 92P1010
Manufacturer: Sony
Intel 855GM+ graphic chip Allocate Memory Sharing
Display driver: 1UD121WW (6.14.10.3732)
Resolution: 1024x768, 32bit color, 60Hz refresh
Operating system: WindowsXP Pro with ServicePack: SP1, DirectX: 9

ThinkPad R51 (M/T 2887-2RU)

Time: 4:47
Intel - Celeron at 1.3GHz
512KB L2 cache
256MB base memory
24x CD-ROM
14" XGA LCD display
Ambit MDC 56k V.90 Modem
2.5" HDD: Fujitsu 92P6533 30G, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: 08K8192
Manufacturer: Sanyo
Intel 855GM+ graphic chip Allocate Memory Sharing
Display driver: 1UD121WW (6.14.10.3732)
Resolution: 1024x768, 32bit color, 60Hz refresh
Operating system: WindowsXP Pro with ServicePack: SP1, DirectX: 9

ThinkPad R51 (M/T 2887-2QU)

Time: 5:27
Intel - Banias at 1.5GHz
1MB L2 cache
256MB base memory
TBF COMBO
15" XGA LCD display
Ambit MDC 56k V.90 Modem
2.5" HDD: Fujitsu 92P6533 30G, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: 92P1010
Manufacturer: Sony
Intel 855GM+ graphic chip Allocate Memory Sharing
Display driver: 1UD121WW (6.14.10.3732)
Resolution: 1024x768, 32bit color, 60Hz refresh
Operating system: WindowsXP Pro with ServicePack: SP1, DirectX: 9

ThinkPad R51 (M/T 2887-2KU)

Time: 5:01
Intel - Banias at 1.5GHz
1MB L2 cache
128MB base memory
24x CD-ROM
14" XGA LCD display
Ambit MDC 56k V.90 Modem
2.5" HDD: Fujitsu 92P6532 20G, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: 08K8192
Manufacturer: Sanyo
Intel 855GM+ graphic chip Allocate Memory Sharing
Display driver: 1UD121WW (6.14.10.3732)
Resolution: 1024x768, 32bit color, 60Hz refresh
Operating system: WindowsXP Pro with ServicePack: SP1, DirectX: 9

ThinkPad R51e (M/T 1834-FHU)

Time: 5:16
Intel - Dothan at 1.6GHz
2MB L2 cache
256MB base memory
--- DVD-ROM
14" XGA LCD display
Ambit MDC 56k Modem
2.5" HDD: Fujitsu --- 30GB, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: ---
Manufacturer: Sony
Intel 855GM graphic chip Allocate Memory Sharing
Display driver: 1UD153WW (6.14.10.3879)
Resolution: 1024x768, 16 bit color, 60Hz refresh
Operating system: WindowsXP Pro with Service Pack: SP2, DirectX: 9

ThinkPad R51e (M/T 1834-HEU)

Time: 4:03
Intel - Banias Celeron at 1.5GHz
512MB L2 cache
256MB base memory
--- DVD-ROM
15" XGA LCD display
Ambit MDC 56k Modem
2.5" HDD: Fujitsu Travelstar --- 60GB, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: ---
Manufacturer: Sanyo
Intel 855GM graphic chip Allocate Memory Sharing
Display driver: 1UD153WW (6.14.10.3879)
Resolution: 1024x768, 16 bit color, 60Hz refresh
Operating system: WindowsXP Pro with Service Pack: SP2, DirectX: 9

ThinkPad R51e (M/T 1834-E9U)

Time: 3:41
Intel - Dothan Celeron at 1.3GHz
512MB L2 cache
256MB base memory
--- CD-ROM
14" XGA LCD display
Ambit MDC 56k Modem
2.5" HDD: Fujitsu Travelstar --- 40GB, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: ---
Manufacturer: Sanyo
Intel 855GM graphic chip Allocate Memory Sharing
Display driver: 1UD153WW (6.14.10.3879)
Resolution: 1024x768, 16 bit color, 60Hz refresh
Operating system: WindowsXP Pro with Service Pack: SP2, DirectX: 9

ThinkPad R50e (M/T 1834-5YU)

Time: 4:24
Intel - Banias at 1.5GHz
1MB L2 cache
512MB base memory
TBF Combo
15" XGA LCD display
Ambit MDC 56k V.90 Modem
2.5" HDD: Fujitsu 92P6533 40G, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: 08K8192
Manufacturer: Sanyo
Intel 855GM graphic chip Allocate Memory Sharing
Display driver: 1UD121WW (6.14.10.3732)
Resolution: 1024x768, 32bit color, 60Hz refresh
Operating system: WindowsXP Pro with ServicePack: SP1, DirectX: 9

ThinkPad R50e (M/T 1834-55U)

Time: 5:32

Intel - Celeron at 1.3GHz
512KB L2 cache
128MB base memory
TBF Combo
15" XGA LCD display
Ambit MDC 56k V.90 Modem
2.5" HDD: Hitachi Travelstar 92P6591 30G, Format: NTFS
Transfer mode: Ultra-DMA Mode5
IDE controller: Intel ICH4-M IDE controller
Li-Ion Battery Pack (10.8V/4.4A) P/N: 08K8192
Manufacturer: Sanyo
Intel 855GM graphic chip Allocate Memory Sharing
Display driver: 1UD121WW (6.14.10.3732)
Resolution: 1024x768, 32bit color, 60Hz refresh
Operating system: WindowsXP Pro with ServicePack: SP1, DirectX: 9

ThinkPad R50 (M/T 1829-6AU)

Intel - Pentium-M Processor at 1.5GHz
Time: 5:09
1MB L2 cache
256MB base memory
HLDS GDR-8082N DVD
15" TFT XGA LCD display
Ambit MDC 56k V.90 Modem
2.5" HDD: HGST IC25N040ATMR-04-0 40GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (10.8V / 4.4AH) P/N: 08K8192
Manufacturer: Sanyo
ATI Mobile Radeon7500 graphic chip 32MB DDR SDRAM
Display driver: 1RD439WW (7.91-030617a-009780E-IBM)
Resolution: 1024 x 768 pixels, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: 1, DirectX: 8

ThinkPad R50 (M/T 1829-43U)

Time: 5:21
Intel - Pentium-M Processor at 1.4GHz
1MB L2 cache
256MB base memory
HLDS CRN-8245B 24x CD-ROM
14" TFT XGA LCD display
Ambit MDC 56k V.90 Modem
2.5" HDD: Fujitsu xxxxxxxx 30GB, Format: NTFS
Transfer mode: Ultra-DMA
IDE controller: Intel ICH-4M IDE controller
Li-Ion Battery Pack (10.8V / 4.4AH) P/N: 08K8194
Manufacturer: Sony
ATI Mobile Radeon7500 graphic chip 32MB DDR SDRAM
Display driver: 1RD439WW (7.91-030617a-009780E-IBM)
Resolution: 1024 x 768 pixels, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: 1, DirectX: 8

Thinkpad R40 (M/T 2723-B4U)

Time: 6:31
Intel - Mobile Intel Pentium M at 1.4GHz
1024 L2 cache

256MB (Samsung) base memory
8x DVD-ROM
15"XGA TFT LCD display
Agere Systems AC'97 Modem 56k/ V92 Modem
2.5" HDD: Fujitsu MHS2040 40GB, Format: NTFS
Transfer mode: UltraDMA
IDE controller: Intel ICH4 IDE controller
Li-ion Battery Pack (14.8V / 4.0AH / 8cel) P/N: IBM-02K6928
Manufacturer: Panasonic
ATI Mobility Radeon (M7) graphic chip 32MB DDR
Display driver: --- (6.13.10.6278)
Resolution: 1028x724, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP1 , v.1086, DirectX: 8.1

Thinkpad R40 (M/T 2722-A2U)

Time: 6:28
Intel - Mobile Intel Pentium M at 1.4GHz
1024 L2 cache
256MB (Micron) base memory
8x8x24x8x Combo
14"XGA TFT LCD display
Agere Systems AC'97 Modem 56k/ V92 Modem
2.5" HDD: Fujitsu MHS2020 20GB, Format: NTFS
Transfer mode: UltraDMA
IDE controller: Intel ICH4 IDE controller
Li-ion Battery Pack (14.8V / 4.0AH / 8cel) P/N: IBM-02K6928
Manufacturer: Panasonic
ATI Mobility Radeon (M7) graphic chip 32MB DDR
Display driver: --- (6.13.10.6278)
Resolution: 1028x724, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP1 , v.1086, DirectX: 8.1

Thinkpad R40 (M/T 2722-5JU)

Time: 6:44
Intel - Mobile Intel Pentium M at 1.3GHz
1024 L2 cache
256MB (Samsung) base memory
8x8x24x8x Combo
15"XGA TFT LCD display
Agere Systems AC'97 Modem 56k/ V92 Modem
2.5" HDD: Fujitsu MHS2040 40GB, Format: NTFS
Transfer mode: UltraDMA
IDE controller: Intel ICH4 IDE controller
Li-ion Battery Pack (14.8V / 4.0AH / 8cel) P/N: IBM-02K6928
Manufacturer: Panasonic
ATI Mobility Radeon (M7) graphic chip 32MB DDR
Display driver: --- (6.13.10.6278)
Resolution: 1028x724, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP1 , v.1086, DirectX: 8.1

Thinkpad R40 (M/T 2722-3GU)

Time: 6:25
Intel - Mobile Intel Pentium M at 1.3GHz
1024 L2 cache
256MB (Micron) base memory
8x8x24x8x Combo

14"XGA TFT LCD display
Agere Systems AC'97 Modem 56k/ V92 Modem
2.5" HDD: Hitachi DK23EA-30 30GB, Format: NTFS
Transfer mode: UltraDMA
IDE controller: Intel ICH4 IDE controller
Li-ion Battery Pack (14.8V / 4.0AH / 8cel) P/N: IBM-02K6928
Manufacturer: Panasonic
ATI Mobility Radeon (M7) graphic chip 32MB DDR
Display driver: --- (6.13.10.6278)
Resolution: 1028x724, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP1 , v.1086, DirectX: 8.1

Thinkpad R40 (M/T 2723-2SU)

Time: 5:56
Intel - Mobile Pentium4 BN at 1.3GHz
1024 L2 cache
256MB (Mitsubishi) base memory
8x DVD-ROM
14"XGA TFT (Samsung) LCD display
Agere Systems AC'97 Modem 56k/ V92 Modem
2.5" HDD: Fujitsu MHS2020AT 20GB, Format: NTFS
Transfer mode: UltraDMA
IDE controller: Intel ICH4 IDE controller
Li-ion Battery Pack (14.8V / 4.0AH / 8cell) P/N: IBM-02K7054
Manufacturer: SANYO
ATI Mobility Radeon (M6) graphic chip 16MB DDR
Display driver: --- (6.13.10.6245)
Resolution: 1024x728, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP1 , v.1086, DirectX: 8.1

Thinkpad R40 (M/T 2723-2QU)

Time: 6:20
Intel - Mobile Petium4 BN at 1.3GHz
1024 L2 cache
256MB (Mitsubishi) base memory
8x DVD-ROM
14"XGA TFT LCD display
Agere Systems AC'97 Modem 56k/ V92 Modem
2.5" HDD: Hitachi DK23EA-20 20GB, Format: NTFS
Transfer mode: UltraDMA
IDE controller: Intel ICH4 IDE controller
Li-ion Battery Pack (14.8V / 4.0AH / 8cell) P/N: IBM-02K7057
Manufacturer: SANYO
ATI Mobility Radeon (M6) graphic chip 16MB DDR
Display driver: --- (6.13.10.6245)
Resolution: 1024x728, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP1 , v.1086, DirectX: 8.1

Thinkpad R40 (M/T 2723-22U)

Time: 6:27
Intel - Mobile Petium4 BN at 1.3GHz
1024 L2 cache
256MB (Samsung) base memory
24x CD-ROM
14"XGA TFT LCD display

Agere Systems AC'97 Modem 56k/ V92 Modem
2.5" HDD: Fujitsu MHS2020 20GB, Format: NTFS
Transfer mode: UltraDMA
IDE controller: Intel ICH4 IDE controller
Li-ion Battery Pack (14.8V / 4.0AH / 8cell) P/N: IBM-02K7054
Manufacturer: SANYO
ATI Mobility Radeon (M6) graphic chip 16MB DDR
Display driver: --- (6.13.10.6245)
Resolution: 1024x728, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: SP1 , v.1086, DirectX: 8.1

ThinkPad R40e (M/T 2684-CBU)

Time 2:50
Intel - Mobile Pentium4 at 1.9GHz
512KB L2 cache
256MB base memory
8x8x24x8 COMBO
14.1" XGA TFT LCD display
AgereSystems AC'97 Modem 56k / V92 Modem
2.5" HDD: Fujitsu MHS2040AT D 40GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: ATI , ALi ALi M1535+ IDE controller
Li-ion Battery Pack (10.8V , 4AH) P/N: 92P0989
Manufacturer: Panasonic
ATI Embedded in NB graphic chip 16MB UMA
Display driver: --- (6.13.10.6269)
Resolution: 1024 x 768, 16bit color, 60Hz refresh
Operating system: Windows XP Professional with ServicePack: SP1, DirectX: 8.1

ThinkPad R40e (M/T 2684-65U)

Time 2:45
Intel - Mobile Celeron at 1.8GHz
256KB L2 cache
256MB base memory
8x8x24x8 COMBO
14.1" XGA TFT LCD display
AgereSystems AC'97 Modem 56k / V92 Modem
2.5" HDD: Fujitsu MHS2040AT D 40GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: ATI , ALi ALi M1535+ IDE controller
Li-ion Battery Pack (10.8V , 4AH) P/N: 92P0987
Manufacturer: SANYO
ATi Embedded in NB graphic chip 16MB UMA
Display driver: --- (6.13.10.6269)
Resolution: 1024 x 768, 16bit color, 60Hz refresh
Operating system: Windows XP Professional with ServicePack: SP1, DirectX: 8.1

ThinkPad R40e (M/T 2684-22U)

Time 2:44
Intel - Mobile Celeron at 1.7GHz
256KB L2 cache
128MB base memory
8x8x24x8 COMBO
13.3" XGA TFT LCD display
AgereSystems AC'97 Modem 56k / V92 Modem
2.5" HDD: Fujitsu MHS2020AT E 20GB, Format: NTFS

Transfer mode: Ultra DMA
IDE controller: ATI , ALi ALi M1535+ IDE controller
Li-ion Battery Pack (10.8V , 4AH) P/N: 92P0989
Manufacturer: Panasonic
ATI Embedded in NB graphic chip 16MB UMA
Display driver: --- (6.13.10.6269)
Resolution: 1024 x 768, 16bit color, 60Hz refresh
Operating system: Windows XP Professional with ServicePack: SP1, DirectX: 8.1

Thinkpad R40 (M/T 2681-L7U)

Time 3:39
Intel - Mobile Pentium4 /Northwood at 2.2GHz
512 L2 cache
256MB base memory
8x8x24x8 DVD/CD-RW Combo
15" SXGA+ TFT LCD display
AgereSystems AC'97 Modem 56k / V92 Modem
2.5" HDD: Hitachi DK23EA-60B 60GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: Intel ICH4 IDE controller
Li-ion Battery Pack (14.8V/4.0AH) P/N: IBM-02K7054
Manufacturer: SANYO
ATI Mobility Radeon (M7) graphic chip 32MB DDR
Display driver: ati2dvag (6.13.10.6245)
Resolution: 1400x1050, 16bit color, 60Hz refresh
Operating system: WindowsXP Professional US with ServicePack: SP1, DirectX: 8.1

Thinkpad R40 (M/T 2681-K4U)

Time 3:54
Intel - Mobile Pentium4 /Northwood at 2.2GHz
512 L2 cache
256MB base memory
8x DVD-ROM
15" XGA TFT LCD display
AgereSystems AC'97 Modem 56k / V92 Modem
2.5" HDD: Fujitsu MHS2040AT 40GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: Intel ICH4 IDE controller
Li-ion Battery Pack (14.8V/4.0AH) P/N: IBM-02K7054
Manufacturer: SANYO
ATI Mobility Radeon (M6) graphic chip 16MB DDR
Display driver: ati2dvag (6.13.10.6215)
Resolution: 1028x724, 16bit color, 60Hz refresh
Operating system: WindowsXP Professional US with ServicePack: SP1, DirectX: 8.1

Thinkpad R40 (M/T 2681-GLU)

Time 4:32
Intel - Mobile Pentium4 /Northwood at 2.0GHz rev.C1
512 L2 cache
256MB base memory
8x DVD-ROM
15" XGA TFT LCD display
AgereSystems AC'97 Modem 56k / V92 Modem
2.5" HDD: Fujitsu MHS2040AT 40GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: Intel ICH4 IDE controller

Li-ion Battery Pack (14.8V/4.0AH) P/N: IBM-02K6928
Manufacturer: Panasonic
ATI Mobility Radeon (M7) graphic chip 32MB DDR
Display driver: ati2dvag (6.13.10.6215)
Resolution: 1028x724, 16bit color, 60Hz refresh
Operating system: WindowsXP Professional US with ServicePack: SP1, DirectX: 8.1

Thinkpad R40 (M/T 2681-DCU)

Time 4:06
Intel - Mobile Pentium4 /Northwood at 1.9GHz
512 L2 cache
256MB base memory
8x DVD-ROM
15" XGA TFT LCD display
AgereSystems AC'97 Modem 56k / V92 Modem
2.5" HDD: Fujitsu MHS2020AT 20GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: Intel ICH4 IDE controller
Li-ion Battery Pack (14.8V/4.0AH) P/N: IBM-02K7054
Manufacturer: SANYO
ATI Mobility Radeon (M6) graphic chip 16MB DDR
Display driver: ati2dvag (6.13.10.6215)
Resolution: 1028x768, 16bit color, 60Hz refresh
Operating system: WindowsXP Professional US with ServicePack: SP1, DirectX: 8.1

Thinkpad R40 (M/T 2681-28U)

Time 4:04
Intel - Celeron at 1.6GHz
512 L2 cache
128MB base memory
8x8x24x8 DVD/CD-RW Combo
14" XGA TFT LCD display
AgereSystems AC'97 Modem 56k / V92 Modem
2.5" HDD: Hitachi DK23EA-20B 20GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: Intel ICH4 IDE controller
Li-ion Battery Pack (14.8V/4.0AH) P/N: IBM-02K6928
Manufacturer: Panasonic
ATI Mobility Radeon (M6) graphic chip 16MB DDR
Display driver: ati2dvag (6.13.10.6215)
Resolution: 1028x724, 16bit color, 60Hz refresh
Operating system: WindowsXP Professional US with ServicePack: SP1, DirectX: 8.1

Thinkpad R40 (M/T 2681-1AU)

Time 3:46
Intel - Celeron at 1.6GHz
512 L2 cache
128MB base memory
24x CD-ROM
13.3" XGA TFT LCD display
AgereSystems AC'97 Modem 56k / V92 Modem
2.5" HDD: Fujitsu MHS2040AT 20GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: Intel ICH4 IDE controller
Li-ion Battery Pack (14.8V/4.0AH) P/N: IBM-02K7054
Manufacturer: SANYO

ATI Mobility Radeon (M6) graphic chip 16MB DDR
Display driver: ati2dvag (6.13.10.6215)
Resolution: 1028x724, 16bit color, 60Hz refresh
Operating system: WindowsXP Professional US with ServicePack: SP1, DirectX: 8.1

Power management setting & system/utility setting

BIOS PM: Default

System Standby - N/A
Turn Off Monitor - N/A
Turn Off HDD - N/A

Windows PM:

System Standby - Never
Turn Off Monitor - Never
Turn Off HDD - after 3 min

Brightness setting: Medium (5/8 Level 4/7 Bars)

Measurement tool

Ziff Davis Media Business Winstone 2002 BatteryMark 1.0
Average of 3 life tests after one conditioning phase

ThinkPad R32 (M/T 2658-N5U)

Time 3:28

Intel - Mobile Pentium-4 at 2.0GHz
512KB L2 cache
256MB base memory
x8x8x8x24 DVD/CDRW Combo
14.1" XGA Hyundai LCD display
Agere CDC Modem
2.5" HDD: HITACHI DK23DA-30F 40GB, Format: NTFS (preload default)
Transfer mode: Ultra-DMA mode-5
IDE controller: Intel Brookdale IDE controller
8cell Li-ion Battery Pack (14.4V / 4AH) P/N: 02K7055
Manufacturer: Sanyo
ATI Mobility Radion M6-C16 graphic chip 16MB Chip embedded
Display driver: 1MD413WW (7.69.2.1-020416a-003571C-IBM)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows XP Pro US with ServicePack: N/A, DirectX: 8.1

ThinkPad R32 (M/T 2658-N3U)

Time 3:31

Intel - Mobile Pentium-4 at 2.0GHz
512KB L2 cache
256MB base memory
x24 CD-ROM
14.1" XGA Hyundai LCD display
Agere CDC Modem
2.5" HDD: HITACHI DK23DA-30F 40GB, Format: NTFS (preload default)
Transfer mode: Ultra-DMA mode-5
IDE controller: Intel Brookdale IDE controller
8cell Li-ion Battery Pack (14.4V / 4AH) P/N: 02K7055
Manufacturer: Sanyo
ATI Mobility Radion M6-C16 graphic chip 16MB Chip embedded
Display driver: 1MD413WW (7.69.2.1-020416a-003571C-IBM)
Resolution: 1024x768, 16bit color, 60Hz refresh

Operating system: Windows XP Pro US with ServicePack: N/A, DirectX: 8.1

ThinkPad R32 (M/T 2658-CHU)

Time: 3:23
Intel - Mobile Pentium-4 at 1.8GHz
512 L2 cache
256MB base memory
x8 DVD
14" XGA LCD display
Agere CDC Modem
2.5" HDD: HITACHI DK23DA-30F 30GB, Format: NTFS (preload default)
Transfer mode: Ultra-DMA mode-5
IDE controller: Intel Brookdale IDE controller
8-cell Li-ion Battery Pack (N/A) P/N: 02K7057
Manufacturer: Panasonic
ATI Mobility Radion M6-C16 graphic chip 16MB Chip embedded
Display driver: 1MD413WW (7.69.2.1-020416a-003571C-IBM)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: N/A, DirectX: 8.1

ThinkPad R32 (M/T 2658-BZU)

Time: 3:44
Intel - Mobile Pentium-4 at 1.6GHz
512 L2 cache
256MB base memory
x8 DVD
14" XGA LCD display
CDC Modem
2.5" HDD: IBM Travelstar 07N8325 20GB, Format: NTFS (preload default)
Transfer mode: Ultra-DMA mode-5
IDE controller: Intel Brookdale IDE controller
8-cell Li-ion Battery Pack (N/A) P/N: 02K7057
Manufacturer: Panasonic
ATI Mobility Radion M6-C16 graphic chip 16MB Chip embedded
Display driver: 1MD413WW (7.69.2.1-020416a-003571C-IBM)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows XP Pro with ServicePack: N/A, DirectX: 8.1

ThinkPad R32 (M/T 2658-CGU)

Time: 3:28
ThinkPad R32 (M/T 2658-CGU)
Intel - Mobile Pentium-4 at 1.8GHz
512 L2 cache
256MB base memory
x8 DVD
14" XGA LCD display
Actiontec Mini-PCI Modem combo
2.5" HDD: HITACHI DK23DA-30F 30GB, Format: NTFS (preload default)
Transfer mode: Ultra-DMA mode-5
IDE controller: Intel Brookdale IDE controller
8cell Li-ion Battery Pack (N/A) P/N: 02K7057
Manufacturer: Panasonic
ATI Mobility Radion M6-C16 graphic chip 16MB Chip embedded
Display driver: 1MD413WW (7.69.2.1-020416a-003571C-IBM)
Resolution: 1024x768, 16bit color, 60Hz refresh

Operating system: Windows XP Pro JP with ServicePack: N/A, DirectX: N/A

ThinkPad R32 (M/T 2658-CFU)

Time: 3:44

Intel - Mobile Pentium-4 at 1.8GHz

512 L2 cache

256MB base memory

x8 DVD

14" XGA LCD display

CDC Modem Ethernet

2.5" HDD: IBM Travelstar 07N8326 30GB, Format: NTFS (preload default)

Transfer mode: Ultra-DMA mode-5

IDE controller: Intel Brookdale IDE controller

8cell Li-ion Battery Pack (N/A) P/N: 02K7057

Manufacturer: Panasonic

ATI Mobility Radion M6-C16 graphic chip 16MB Chip embedded

Display driver: 1MD413WW (7.69.2.1-020416a-003571C-IBM)

Resolution: 1024x768, 16bit color, 60Hz refresh

Operating system: Windows XP Pro JP with ServicePack: N/A, DirectX: N/A

ThinkPad R32 (M/T 2658-BMU)

Time: 3:45

Intel - Mobile Pentium-4 at 1.6GHz

512 L2 cache

256MB base memory

x8 DVD

14" XGA LCD display

CDC Modem Ethernet

2.5" HDD: IBM Travelstar 07N8325 20GB, Format: NTFS (preload default)

Transfer mode: Ultra-DMA mode-5

IDE controller: Intel Brookdale IDE controller

8cell Li-ion Battery Pack (N/A) P/N: 02K7057

Manufacturer: Panasonic

ATI Mobility Radion M6-C16 graphic chip 16MB Chip embedded

Display driver: 1MD413WW (7.69.2.1-020416a-003571C-IBM)

Resolution: 1024x768, 16bit color, 60Hz refresh

Operating system: Windows XP Pro JP with ServicePack: N/A, DirectX: N/A

ThinkPad R32 (M/T 2658-A7U)

Time: 3:26

ThinkPad R32 (M/T 2658-A7J)

Intel - Mobile Pentium-4 at 1.6GHz

512 L2 cache

256MB base memory

x8x8x8x24 Combo

14" XGA LCD display

Actiontec Mini-PCI Modem combo

2.5" HDD: IBM Travelstar 07N8326 30GB, Format: NTFS (preload default)

Transfer mode: Ultra-DMA mode-5

IDE controller: Intel Brookdale IDE controller

8cell Li-ion Battery Pack (N/A) P/N: 02K7057

Manufacturer: Panasonic

ATI Mobility Radion M6-C16 graphic chip 16MB Chip embedded

Display driver: 1MD413WW (7.69.2.1-020416a-003571C-IBM)

Resolution: 1024x768, 16bit color, 60Hz refresh

Operating system: Windows XP Pro JP with ServicePack: N/A, DirectX: N/A

ThinkPad R31 (M/T 2656-NYU)

Time 3:11

Intel - Mobile Celeron at 1.2GHz

256k L2 cache

256MB base memory

16x COMBO - DVD-ROM & CD-R/RW

14.1"TFT XGA LCD display

Lucent Soft Modem AMR 56k Modem

2.5" HDD: Hitachi DK23DA-20F 20GB, Format: NTFS

Transfer mode: UltraDMA

IDE controller: Intel ICH3-M IDE controller

Li-ion Battery Pack (10.8V / 4AH) P/N: 02K6822

Manufacturer: SANYO

Intel Embedded in 830MG graphic chip 8-32MByte UMA

Display driver: 1FD227WW (6.13.1.3024)

Resolution: 1024 x 768, 16bit color, 60Hz refresh

Operating system: Windows XP with ServicePack: N/A, DirectX: 8.1

ThinkPad R31 (M/T 2658-L6U)

Time 2:55

Intel - Mobile Celeron at 1.20GHz

256KB L2 cache

128MB base memory

x24 CD-ROM

13" TFT XGA LCD display

Included in Wireless card N/A Modem

2.5" HDD: Hitachi DK23DA-20F 20GB, Format: NTFS

Transfer mode: Ultra DMA

IDE controller: Intel Embedded in ICH3-MSB IDE controller

Li-ion Battery Pack (10.8V / 4AH) P/N: 02K6822

Manufacturer: SANYO

Intel Embedded in 830MG graphic chip 8-32MByte UMA

Display driver: 1FD227WW (6.13.1.3024)

Resolution: 1024x768, 16bit color, 60Hz refresh

Operating system: Windows XP Pro with ServicePack: N/A, DirectX: 8.1

ThinkPad R31 (M/T 2656-L1U)

Time 3:04

Intel - Mobile Celeron at 1.20GHz

256KB L2 cache

128MB base memory

x24 CD-ROM

13" TFT XGA LCD display

Lucent Soft Modem AMR (CDC) Modem

2.5" HDD: Hitachi DK23DA-20F 20GB, Format: NTFS

Transfer mode: Ultra DMA

IDE controller: Intel Embedded in ICH3-MSB IDE controller

Li-ion Battery Pack (10.8V / 4AH) P/N: 02K6822

Manufacturer: SANYO

Intel Embedded in 830MG graphic chip 8-32MByte UMA

Display driver: 1FD227WW (6.13.1.3024)

Resolution: 1024x768, 16bit color, 60Hz refresh

Operating system: Windows XP Pro with ServicePack: N/A, DirectX: 8.1

ThinkPad R31 (M/T 2656-2VU)

Time 2:56

Intel - Celeron at 1133MHz

256KB L2 cache

128MB base memory

8x/8x/8x/24x CDRW/DVD Combo

14.1" TFT LCD display

Modem / Actiontec Wireless card

2.5" HDD: IBM Travelstar 08K9743 40GB, Format: NTFS

Transfer mode: Ultra-DMA

IDE controller: Intel Embedded in ICH3-M (SB) IDE controller

LiION Battery Pack (10.8V/4.0Ah) P/N: 02K6825

Manufacturer: Panasonic

Intel Embedded in 830MG graphic chip 8-32MByte UMA

Display driver: 10.2.5 (6.13.1.3024)

Resolution: 1024 x 768, 16 bit color, 60Hz refresh

Operating system: Windows XP with ServicePack: N/A, DirectX: 8.1

ThinkPad R31 (M/T 2656-HEU)

Time 3:19

Intel - Mobile Pentium III processor-M at 1.133GHz

512k L2 cache

128MB base memory

24x COMB

14.1"TFT XGA LCD display

Lucent Soft Modem AMR 56k Modem

2.5" HDD: IBM Travelstar IC25N030ATDA04-0 30GB, Format: NTFS

Transfer mode: UltraDMA

IDE controller: Intel ICH3-M IDE controller

Li-Ion Battery Pack (10.8V / 4AH) P/N: 02K6825

Manufacturer: Panasonic

Intel GMCH-M(Almador) graphic chip 8MB UMA

Display driver: 1FD225WW (6.13.01.3013)

Resolution: 1024 x 768, 16bit color, 60Hz refresh

Operating system: Windows XP with ServicePack: N/A, DirectX: 8.1

ThinkPad R31 (M/T 2656-EEU)

Time 3:19

Intel - Mobile Pentium III processor-M at 1.133GHz

512k L2 cache

128MB base memory

8x DVD-ROM

14.1"TFT XGA LCD display

Lucent Soft Modem AMR 56k Modem

2.5" HDD: IBM Travelstar IC25N030ATDA04-0 30GB, Format: NTFS

Transfer mode: UltraDMA

IDE controller: Intel ICH3-M IDE controller

Li-Ion Battery Pack (10.8V / 4AH) P/N: 02K6825

Manufacturer: Panasonic

Intel GMCH-M(Almador) graphic chip 8MB UMA

Display driver: 1FD225WW (6.13.01.3013)

Resolution: 1024 x 768, 16bit color, 60Hz refresh

Operating system: Windows XP with ServicePack: N/A, DirectX: 8.1

ThinkPad R31 (M/T 2656-E6U)

Time: 3:28

Intel Mobile Pentium III processor-M at 1.133GHz

512k L2 cache
128MB base memory
24x CD-R/RW
14.1"TFT XGA LCD display
Lucent Soft Modem AMR 56k Modem
2.5" HDD: IBM Travelstar IC25N030ATDA04-0 30GB, Format: NTFS
Transfer mode: UltraDMA
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V / 4AH) P/N: 02K6825
Manufacturer: Panasonic
Intel GMCH-M(Almador) graphic chip 8MB UMA
Display driver: 1FD225WW (6.13.01.3013)
Resolution: 1024 x 768, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: N/A, DirectX: 8.1

ThinkPad R31 (M/T 2656-E4U)

Time: 3:34
Mobile Pentium III processor-M at 1.133GHz
512k L2 cache
128MB base memory
8x DVD-ROM
14.1"TFT XGA LCD display
Lucent Soft Modem AMR 56k Modem
2.5" HDD: IBM Travelstar IC25N030ATDA04-0 30GB, Format: NTFS
Transfer mode: UltraDMA
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V / 4AH) P/N: 02K6825
Manufacturer: Panasonic
Intel GMCH-M(Almador) graphic chip 8MB UMA
Display driver: 1FD225WW (6.13.01.3013)
Resolution: 1024 x 768, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: N/A, DirectX: 8.1

ThinkPad R31 (M/T 2656-AEU)

Time 3:10
Intel Mobile Celeron at 1.066GHz
256k L2 cache
120MB base memory
24x CD-ROM
13.3"TFT XGA LCD display
Lucent Soft Modem AMR 56k Modem
2.5" HDD: IBM Travelstar IC25N020ATDA04-0 20GB, Format: NTFS
Transfer mode: UltraDMA
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V / 4AH) P/N: 02K6825
Manufacturer: Panasonic
Intel GMCH-M(Almador) graphic chip 8MB UMA
Display driver: 1FD225WW (6.13.01.3013)
Resolution: 1024 x 768, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: N/A, DirectX: 8.1

ThinkPad R31 (M/T 2656-25U)

Time 3:24
Intel Mobile Celeron at 1.066GHz
256k L2 cache
120MB base memory

24x CD-ROM
13.3"TFT XGA LCD display
Lucent Soft Modem AMR 56k Modem
2.5" HDD: IBM Travelstar IC25N020ATDA04-0 20GB, Format: NTFS
Transfer mode: UltraDMA
IDE controller: Intel ICH3-M IDE controller
Li-Ion Battery Pack (10.8V / 4AH) P/N: 02K6825
Manufacturer: Panasonic
Intel GMCH-M(Almador) graphic chip 8MB UMA
Display driver: 1FD225WW (6.13.01.3013)
Resolution: 1024 x 768, 16bit color, 60Hz refresh
Operating system: Windows XP with ServicePack: N/A, DirectX: 8.1

ThinkPad R30 (M/T 2656-20U)

Time: 2:44
Intel - Celeron at 900MHz
128KB L2 cache
128MB base memory
24xCD CD-ROM
13.3"TFT LCD LCD display
Lucent Soft Modem AMR 56k Modem
2.5" HDD: IBM Travelstar IC25N010ATDA04 10GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: ALi ALiM1535(SB) IDE controller
Li-ion Battery Pack (10.8V / 4AH) P/N: 02K6825
Manufacturer: Panasonic
ALi Trident CyberBlade-Ai1 AGP 6.2011.19 graphic chip 8MB UMA
Display driver: 1CD404WW (6.2011.19)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows XP Home with ServicePack: N/A, DirectX: 8.1

ThinkPad R30 (M/T 2656-6AU)

Time: 3:00
Intel - PIII at 1.0GHz
128KB L2 cache
128MB base memory
24xCD CD-R/RW
14.1"TFT LCD LCD display
Lucent Soft Modem AMR 56k Modem
2.5" HDD: IBM Travelstar IC25N030ATDA04-0 30GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: ALi ALiM1535(SB) IDE controller
Li-ion Battery Pack (10.8V / 4AH) P/N: 02K6825
Manufacturer: Panasonic
ALi M1632(Trident Syber Blade) graphic chip 8MB UMA
Display driver: 1CD404WW (6.2011.19)
Resolution: 1024x768, 16bit color, 60Hz refresh

ThinkPad R30 (M/T 2656-60U)

Time: 3:22
Intel - PIII at 1.0GHz
128KB L2 cache
248MB base memory
24xCD , 8xDVD CD/DVD
14.1"TFT LCD LCD display
Lucent Soft Modem AMR 56k Modem

2.5" HDD: Hitachi DK23CA-15 15GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: ALi ALiM1535(SB) IDE controller
Li-ion Battery Pack (10.8V / 4AH) P/N: 02K6825
Manufacturer: Panasonic
ALi M1632(Trident Syber Blade) graphic chip 8MB UMA
Display driver: 1CD404WW (6.2011.19)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows XP Home with ServicePack: N/A, DirectX: 8.1

ThinkPad R30 (M/T 2656-5AU)

Time: 3:05
Intel - Pentium III at 1.0GHz
128KB L2 cache
128MB base memory
24xCD CD-R/RW
13.3"TFT LCD LCD display
Lucent Soft Modem AMR 56k Modem
2.5" HDD: IBM Travelstar IC25N015ATDA04 15GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: ALi ALiM1535(SB) IDE controller
Li-ion Battery Pack (10.8V / 4AH) P/N: 02K6825
Manufacturer: Panasonic
ALi M1632(Trident Syber Blade) graphic chip 8MB UMA
Display driver: 1CD404WW (6.2011.19)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows XP Home with ServicePack: N/A, DirectX: 8.1

ThinkPad R30 (M/T 2656-30U)

Time: 3:22
Intel - Pentium III at 1.0GHz
128KB L2 cache
128MB base memory
24xCD CD-ROM
13.3"TFT LCD LCD display
Lucent Soft Modem AMR 56k Modem
2.5" HDD: IBM Travelstar IC25N015ATDA04 15GB, Format: NTFS
Transfer mode: Ultra DMA
IDE controller: ALi ALiM1535(SB) IDE controller
Li-ion Battery Pack (10.8V / 4AH) P/N: 02K6825
Manufacturer: Panasonic
ALi M1632(Trident Syber Blade) graphic chip 8MB UMA
Display driver: 1CD404WW (6.2011.19)
Resolution: 1024x768, 16bit color, 60Hz refresh
Operating system: Windows XP Home with ServicePack: N/A, DirectX: 8.1

Power management setting & system/utility setting

BIOS PM: Default

- System Standby - N/A
- Turn Off Monitor - N/A
- Turn Off HDD - N/A

Windows PM:

- System Standby - Never
- Turn Off Monitor - Never
- Turn Off HDD - Never (after 3 min / R32 and 2656-2VU only)

Brightness setting: Medium (5/8 Level 4/7 Bars)

Measurement tool

Ziff-Davis BatteryMark 4.0.1

("Disable Batterymark power management features" R32 models 2658-CGU,CFU,BMU,A7U only)

Average of three life tests after two conditioning phases

ThinkPad i Series

System conditions

ThinkPad i Series (M/T 1161-43U)

Test Time: 2:39

Intel Mobile Celeron at 700MHz - 1 CPU

128KB L2 cache

64MB base memory

24X-10X CD-ROM

13.3" TFT XGA LCD display

56k V.90 Modem

2.5" HDD: Hitachi DK23BA-10 10GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: ALi 5229 PCI Bus Master

NiMH battery pack (9.6V, 4.5Ah), P/N: 02K6693

Manufacturer: Sanyo

Trident CyberBlade Ai1 AGP (42) graphic controller with 8MB VRAM

Display driver: 17D109WW (version 4.12.01.2276)

Resolution: 1024x768 high color 16-bit, optimal refresh

Operating system: Windows Millennium with Direct X 7.0

ThinkPad i Series (M/T 1161-93U)

Test Time: 3:48

Intel Mobile Pentium III at 750MHz with Intel SpeedStep technology - 1 CPU

256KB L2 cache

64MB base memory

8X-2X DVD-ROM

13.3" TFT XGA LCD display

56k V.90 Modem

2.5" HDD: Hitachi DK23BA-20 20GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Ai1 5229 PCI Bus Master

Li-Ion battery pack (14.4V, 3.6Ah), P/N: 02K6730

Manufacturer: Sanyo

Trident CyberBlade Ai1 AGP (42) graphic controller with 8MB VRAM

Display driver: 17D109WW (version 4.12.01.2276)

Resolution: 1024x768 high color 16-bit, 60Hz refresh

Operating system: Windows Millennium with Direct X 7.0

ThinkPad i Series (M/T 1171-5XU)

Test Time: 3:53

Intel Mobile Celeron at 700MHz - 1 CPU

128KB L2 cache

64MB base memory

24X-10X CD-ROM

13.3" TFT XGA LCD display

56k V.90 Modem

2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32

Transfer mode: Ultra DMA mode
IDE controller: ALi 5229 PCI Bus Master
Li-Ion battery pack (14.4V, 3.6Ah), P/N: 02K6730
Manufacturer: Sanyo
Trident CyberBlade Ai1 AGP (42) graphic controller with 8MB VRAM
Display driver: 17D109WW (version 4.12.01.2276)
Resolution: 1024x768 high color 16-bit, optimal refresh
Operating system: Windows Millennium with Direct X 7.0

ThinkPad i Series (M/T 1161-42U)

Time: 2:49
Intel Mobile Celeron at 600MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
12.1" TFT SVGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
NiMH battery pack (9.6V, 4.5Ah), P/N: 02K6693
Manufacturer: Sanyo
SMI LynxEM+ graphic controller with 2MB VRAM
Display driver: 15D303WW (version 4.12.01.0026)
Resolution: 800x600 high color 16-bit, 60Hz refresh
Operating system: Windows Millennium with Direct X 7.0

ThinkPad i Series (M/T 1161-62U)

Time: 4:18
Intel Mobile Pentium III at 700MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
64MB base memory
8X-2X DVD-ROM
12.1" TFT SVGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
Li-Ion battery pack (14.4V,3.6Ah), P/N:02K6730
Manufacturer: Sanyo
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: 15D303WW (version 4.12.01.0026)
Resolution: 800x600 high color 16-bit, 60Hz refresh
Operating system: Windows Millennium with Direct X 7.0

ThinkPad i Series (M/T 1161-92U)

Time: 4:02
Intel Mobile Pentium III at 700MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
64MB base memory
8X-2X DVD-ROM
13.3" TFT XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX

Li-Ion battery pack (14.4V,3.6Ah), P/N:02K6730
Manufacturer: Sanyo
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: 15D303WW (version 4.12.01.0026)
Resolution: 1024x768 high color 16-bit, 60Hz refresh
Operating system: Windows Millennium with Direct X 7.0

ThinkPad i Series (M/T 1171-5WU/5BU)

Time: 3:40
Intel Mobile Celeron at 650MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
12.1" TFT SVGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
Manufacturer: Sanyo
Li-Ion battery pack (14.4V,3.6Ah), P/N:02K6730
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: 15D303WW (version 4.12.01.0026)
Resolution: 800x600 high color 16-bit, 60Hz refresh
Operating system: Windows Millennium with Direct X 7.0

ThinkPad i Series (M/T 1171-7WU)

Time: 3:28
Intel Mobile Celeron at 700MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
13.3" TFT XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
Li-Ion battery pack (14.4V,3.6Ah), P/N:02K6730
Manufacturer: Sanyo
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: 15D303WW (version 4.12.01.0026)
Resolution: 1024x768 high color 16-bit, 60Hz refresh
Operating system: Windows Millennium with Direct X 7.0

ThinkPad i Series (M/T 1171-6LU)

Time: 4:19
Intel Mobile Pentium III at 700MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
64MB base memory
24X-10X CD-ROM
12.1" TFT SVGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
Li-Ion battery pack (14.4V,3.6Ah), P/N:02K6730
Manufacturer: Sanyo

SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: 15D204WW (version 5.00.2195.0141)
Resolution: 800x600 high color 16-bit, 60Hz refresh
Operating system: Windows 2000 with Direct X 7.0

ThinkPad i Series (M/T 1171-9LU)

Time: 4:07
Intel Mobile Pentium III at 700MHz with Intel SpeedStep technology - 1 CPU
256KB L2 cache
64MB base memory
24X-10X CD-ROM
13.3" TFT XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DJSA-220 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
Li-Ion battery pack (14.4V,3.6Ah), Asm P/N:02K6730
Manufacturer: Sanyo
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: 15D204WW (version 5.00.2195.0141)
Resolution: 1024x768 high color 16-bit, 60Hz refresh
Operating system: Windows 2000 with Direct X 7.0

ThinkPad i Series 1200 (M/T 1161-71U)

Time: 2:48
Intel Mobile Celeron at 600MHz - 1 CPU
128KB L2 cache
64MB base memory
8X-2.3X DVD-ROM
13.3" TFT XGA LCD display
56k V.90 Modem
2.5" HDD: DJSA-210 10GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
NiMH battery pack (9.6V, 4.5Ah), P/N: 02K6692
Manufacturer: Sanyo
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: KQD108WW (version 4.11.01.0062)
Resolution: 1024x768 high color 16-bit, optimal refresh
Operating system: Windows Millennium with Direct X 6.0

ThinkPad i Series 1200 (M/T 1161-41U)

Time: 2:56
Intel Mobile Celeron at 550MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
12.1" TFT SVGA LCD display
56k V.90 Modem
2.5" HDD: DJSA-210 5GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
NiMH battery pack (9.6V, 4.5Ah), P/N: 02K6692
Manufacturer: Sanyo
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: KQD108WW (version 4.11.01.0062)

Resolution: 800x600 high color 16-bit, optimal refresh
Operating system: Windows Millennium with Direct X 6.0

ThinkPad i Series 1200 (M/T 1161-11U)

Time: 2:55
Intel Mobile Celeron at 550MHz - 1 CPU
128KB L2 cache
32MB base memory
24X-10X CD-ROM
12.1" HPA SVGA LCD display
56k V.90 Modem
2.5" HDD: DJSA-210 5GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
NiMH battery pack (9.6V, 4.5Ah), P/N: 02K6692
Manufacturer: Sanyo
SMI LynxEM+ graphic controller with 4MB VRAM
Display driver: KQD108WW (version 4.11.01.0062)
Resolution: 800x600 high color 16-bit, optimal refresh
Operating system: Windows Millennium with Direct X 6.0

ThinkPad i Series 1300 (M/T 1171-91U)

Time: 3:30
Intel Mobile Pentium III at 650MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
13.3" XGA LCD display
56k V.90 Modem
2.5" HDD: DJSA-210 20GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
NiMH battery pack (9.6V, 4.5Ah), P/N: 02K6692
Manufacturer: Sanyo
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: KQD108WW (version 4.11.01.0062)
Resolution: 1024x768 high color 16-bit, optimal refresh
Operating system: Windows 2000 with Direct X 6.0

ThinkPad i Series 1300 (M/T 1171-71U)

Time: 2:42
Intel Mobile Celeron at 550MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
13.3" XGA LCD display
56k V.90 Modem
2.5" HDD: DJSA-210 5GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
NiMH battery pack (9.6V, 4.5Ah), P/N: 02K6692
Manufacturer: Sanyo
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: KQD108WW (version 4.11.01.0062)
Resolution: 1024x768 high color 16-bit, optimal refresh
Operating system: Windows Millennium with Direct X 6.0

ThinkPad i Series 1200 (M/T 1161-210)

Time: 3:05
Intel Mobile Celeron at 500MHz - 1 CPU
128KB L2 cache
32MB base memory
24X-10X CD-ROM
12.1" SVGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DRAR-20600 6.0GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
NiMH battery pack (9.6V, 4.5Ah), P/N: 02K6692
Manufacturer: Sanyo
SMI LynxEM+ graphic controller with 2MB VRAM
Display driver: KQD108WW (version 4.11.01.0062)
Resolution: 800x600 high color 16-bit, optimal refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad i Series 1200 (M/T 1161-230)

Time: 3:02
Intel Mobile Celeron at 500MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
13" SVGA LCD display
56k V.90 Modem
2.5" HDD: Hitachi DK23AA-60 6.0GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
NiMH battery pack (9.6V, 4.5Ah), P/N: 02K6692
Manufacturer: Sanyo
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: KQD108WW (version 4.11.01.0062)
Resolution: 800x600 high color 16-bit, optimal refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad i Series 1200 (M/T 1161-250)

Time: 3:00
Intel Mobile Celeron at 500MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
12" SVGA LCD display
56k V.90 Modem
2.5" HDD: Hitachi DK23AA-60 6.0GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
NiMH battery pack (9.6V, 4.5Ah), P/N : 02K6692
Manufacturer: Sanyo
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: KQD108WW (version 4.11.01.0062)
Resolution: 800x600 high color 16-bit, optimal refresh
Operating system: Windows 98 SE with Direct X 6.0

ThinkPad i Series 1300 (M/T 1171-370)

Time: 3:02
Intel Mobile Celeron at 550MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
12.1" SVGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DRAR-21200 12GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
NiMH battery pack (9.6V, 4.5Ah), P/N : 02K6692
Manufacturer: Sanyo
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: KQD206WW (version 5.00.2195.0089)
Resolution: 1024x768 true color 24-bit, 60Hz refresh
Operating system: Windows 2000 with Direct X 6.0

ThinkPad i Series 1200 (M/T 1161-264)

Time: 3:04
Intel Mobile Celeron at 500MHz - 1 CPU
128KB L2 cache
64MB base memory
24X-10X CD-ROM
13.3" XGA LCD display
56k V.90 Modem
2.5" HDD: IBM Travelstar DRAR-21200 12GB Format: FAT32
Transfer mode: Ultra DMA mode
IDE controller: Intel 82443MX
NiMH battery pack (9.6V, 4.5Ah), P/N : 02K6692
Manufacturer: Sanyo
SMI LynxEM4+ graphic controller with 4MB VRAM
Display driver: KQD108WW (version 4.11.01.0062)
Resolution: 800x600 64KM color, 60Hz refresh
Operating system: Windows 98 SE with Direct X 6.0

Power management setting & system/utility setting

BIOS PM: Default

- System standby - Never
- Turn off monitor - Never
- Turn off HDD - Never

Windows PM:

- System standby - Never
- Turn off monitor - Never
- Turn off HDD - Never

Brightness setting: Medium (9/17 Level, 8/16 Bars for 13" LCD; 7/12 Level, 6/11 Bars for 12" LCD)

Measurement tool

Ziff-Davis BatteryMark 3.0 or 4.0

Three life tests after one conditioning phases

Results are average of the three tests

Power management feature of BatteryMark 4.0 was disabled to avoid unexpected BatteryMark program termination (for Windows 2000 model only).

ThinkPad TransNote

System conditions

ThinkPad TransNote (M/T 2675-21U)

Time: 2:30

Intel Mobile Pentium III at 600MHz - 1 CPU

256KB L2 cache

64MB base memory

10.4" SVGA LCD display

56k V.90 Modem

2.5" HDD: IBM Travelstar DJSA-210 10GB Format: FAT32

Transfer mode: Ultra DMA mode

IDE controller: Intel PIIX4M IDE controller

Li-Ion Battery Pack (14.4V, 1.6A), P/N: 02K6685

Battery Manufacturer: Sanyo

ATI Rage Mobility M graphic chip with 4MB VRAM

Display driver: IWD135WW (version M6.11.83-T01_11_IBM)

Resolution: 800x600 16M color, 60Hz refresh

Operating system: Windows 98 SE with Direct X 6.0

Power management setting & system/utility setting

BIOS PM: Default

- System standby - 5 minutes
- Turn off monitor - 5 minutes
- Turn off HDD - 3 minutes

Windows PM:

- System standby - 5 minutes
- Turn off monitor - 5 minutes
- Turn off HDD - 5 minutes

Brightness setting: Medium (5/8 Level 4/7 Bars)

Measurement tool

Ziff-Davis BatteryMark 4.0

Two life tests after two conditioning phases