

Microprocessor

- Mobile Intel® Pentium™ 4 Processor-M with Enhanced Intel® SpeedStep™ technology

Memory

- Onboard memory upgradable to 1024 MB with 2 DDR-266 SoDIMM
- 512K on-die L2 cache

Data storage

- One high-capacity, Enhanced-IDE hard disk
- Slot-loading DVD/CD-RW combo drive
- Secure Digital (SD) slot
- Optional second hard disk module

Display and video

- 15.2" 15:10 SXGA (Super eXtended Graphic Array) widescreen TFT LCD panel
- 1280x854 (SXGA) resolution, 16.7 million colors
- nVidia® GeForce4 Go™ high-performance graphics chipset with 32MB frame buffer
- Simultaneous LCD and CRT display
- Dual display support
- LCD panel supports resolution up to 1280x854
- VGA monitor supports resolution up to 2048x1536
- Embedded TV encoder supports resolution up to 1024x768

Audio

- Built-in speaker and microphone
- Sound Blaster Pro- and Windows Sound System-compatible
- Separate audio ports for line-in/microphone-in and line-out (S/PDIF) devices

Keyboard and pointing device

- 84-/85-/88-key Windows keyboard
- Ergonomically-centered touchpad pointing device

I/O ports

- One type II/I CardBus PC Card slot
- One RJ-11 phone jack (V.90)
- One RJ-45 network jack (Ethernet 10/100)
- One DC-in jack
- One docking connector
- One external monitor port (DDC 2.0)
- One keyboard/mouse port (PS/2)
- One line-out jack (S/PDIF) (3.5mm mini-jack)
- One audio line-in/microphone-in jack (3.5mm mini-jack)
- Two USB ports (2.0)
- One IEEE 1394 port
- Optional wireless LAN

Weight and dimensions

- 3 kg (6.7 lbs)
- 341 x 242 x 31.2 mm (13.43 x 9.53 x 1.29 in.)

Environment

- Temperature
 - Operating: 5°C ~ 35°C
 - Non-operating: -10°C ~ 65°C
- Humidity (non-condensing)
 - Operating: 20% ~ 80% RH
 - Non-operating: 20% ~ 80% RH

System

- Windows XP

Power

- Battery pack
 - 59.2-WattHour Li-Ion battery pack
 - 1.5-hour rapid charge/4-hour charge-in-use

- AC adapter
 - 70-Watt
 - Auto sensing 100~240Vac, 50~60Hz

Options

- 128/256/512 MB DDR 266 SoDIMM memory upgrade module
- Additional AC adapter
- Secondary hard disk module
- Subwoofer module
- Secondary battery

B Notices

This appendix lists the general notices of
your computer.

FCC notice

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna
2. Increase the separation between the device and receiver
3. Connect the device into an outlet on a circuit different from that to which the receiver is connected
4. Consult the dealer or an experienced radio/television technician for help

Notice: shield cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Notice: peripheral devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this computer.

Use conditions

This part complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian users

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Modem notices

FCC

This equipment complies with Part 68 of the FCC Rules. Located on the bottom side of the modem is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. Upon request, you must provide this information to your telephone company.

If your telephone equipment causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But, if advance notice is not practical, you will be notified as soon as possible. You will also be informed of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

If this equipment should fail to operate properly, disconnect the equipment from the phone line to determine if it is causing the problem. If the problem is with the equipment, discontinue use and contact your dealer or vendor.

TBR 21

This equipment has been approved to Council Division 98/482/EC - "TBR 21" for pan-European single terminal connection to the Public Switched Telephone Network (PSTN). However, due to differences between the individual PSTNs provided in different countries, the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN termination point. In the event of problems, you should contact your equipment supplier in the first instance.

Important safety instructions

1. Read these instructions carefully. Save these instructions for future reference.
2. Follow all warnings and instructions marked on the product.

3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
7. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
9. If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
11. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power cord or plug is damaged or frayed
 - b. If liquid has been spilled into the product
 - c. If the product has been exposed to rain or water
 - d. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.
 - e. If the product has been dropped or the cabinet has been damaged

- f. If the product exhibits a distinct change in performance, indicating a need for service.
- 13. Replace the battery with the same type as the product's battery we recommend. Use of another battery may present a risk of fire or explosion. Refer battery replacement to a qualified serviceman.
- 14. Warning! Batteries may explode if not handled properly. Do not disassemble or dispose of them in fire. Keep them away from children and dispose of used batteries promptly.
- 15. Use only the proper type of power supply cord set (provided in your accessories box) for this unit. It should be a detachable type: UL listed/CSA certified, type SPT-2, rated 7A 125V minimum, VDE approved or its equivalent. Maximum length is 15 feet (4.6 meters).

Laser compliance statement

The DVD/CD-RW drive in this computer is a laser product. The DVD/CD-RW drive's classification label (shown below) is located on the drive.

CLASS 1 LASER PRODUCT

CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.

APPAREIL A LASER DE CLASSE 1 PRODUIT

LASERATTENTION: RADIATION DU FAISCEAU LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE. EVITER TOUTE EXPOSITION AUX RAYONS.

LUOKAN 1 LASERLAITE LASER KLASSE 1

VORSICHT: SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETZEN

PRODUCTO LÁSER DE LA CLASE I

ADVERTENCIA: RADIACIÓN LÁSER VISIBLE Y INVISIBLE AL SER ABIERTO. EVITE EXPONERSE A LOS RAYOS.

LAG 1 LASER FABRIKAT

ADVARSEL: SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDS/ETTELSE FOR STRÅLEN.

VARO! LAVATTAESSA OLET ALTTINA LASERSÄTEILYLLE.

VARNING: LASERSTRÅLNING NÅR DENNA DEL ÅR ÖPPNAD ÅLÅ TUIJOTA SÄTEESEENSTIRRA EJ IN I STRÅLEN

VARNING: LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNADSTIRRA EJ IN I STRÅLEN

ADVARSEL: LASERSTRÅLING NÄR DEKSEL ÅPNESSTIRR IKKE INN I STRÅLEN

Battery statement

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

ADVARSEL!

Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Léver det brugte batteri tilbage til leverandøren.

ADVARSEL

Eksplosjonsfare ved feilaktig skifte av batteri. Benytt samme batteritype eller en tilsvarende type anbefalt av apparatfabrikanten. Brukte batterier kasseres i henhold til fabrikantens instruksjoner.

VARNING

Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

VAROITUS

Päristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

VORSICHT!

Explosionsgefahr bei unsachgemäßen Austausch der Batterie Ersatz nur durch denselben oder einem vom Hersteller empfohlenem ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

Macrovision copyright protection notice

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned

by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited. Apparatus Claims of U.S. Patent Nos. 4,631,603, 4,577,216, 4,819,098, and 4,907,093 licensed for limited viewing uses only.

LCD pixel statement

The LCD unit is produced with high-precision manufacturing techniques. Nevertheless, some pixels may occasionally misfire or appear as black or colored dots. This has no effect on the recorded image and does not constitute a malfunction.

A-Tick notice

For safety reasons, only connect headsets with a telecommunications compliance label. This includes customer equipment previously labelled permitted or certified.

The unit shall be connected to Telecommunication Network through a line cord which meets the requirements of ACA Technical Standard TS008.

Index

A

- AC adapter
 - caring for ix
 - connecting viii
- audio 32
 - connecting externally 54
 - troubleshooting 86

B

- battery
 - installing vii, 42
- battery bay 9
- battery pack
 - battery-low warning 45
 - caring for x
 - characteristics 41
 - charging 43
 - charging indicator 14
 - charging modes 43
 - checking charge level 44
 - installing 42
 - low conditions 45
 - optimizing 44
 - removing 43
 - using the first time 41
- battery release latch 9
- BIOS Utility 71– 82
 - Advanced menu
 - i/o device configuration 77
 - ide primary master 76
 - ide primary slave 77
 - pci irq routing 79
 - advanced menu 75
 - boot menu 81
 - entering 71
 - exit menu 82
 - information menu 72
 - main menu 73
 - navigating 71
 - security menu 79
- bottom view 9
- brightness
 - hotkeys 19

C

- caps lock 15
 - on indicator 14
- care
 - AC adapter ix
 - battery pack x
 - computer ix
- charging
 - checking level 44
 - modes 43
- cleaning
 - computer x
- computer
 - bringing to meetings 63
 - caring for ix
 - cleaning x
 - connecting vii
 - disconnecting 63
 - features 10
 - moving around 63
 - on indicator 13
 - security 37
 - setting up a home office 64
 - taking home 63
 - traveling internationally 65
 - traveling on local trips 65
 - turning on viii
- connections
 - AC adapter viii
 - audio 54
 - computer vii
 - keyboard, external 51
 - monitor 49
 - mouse 52
 - printer 53
 - USB 57
- connectivity options 28
- CPU 72

D

- date
 - setting in BIOS Utility 73
- dc-in jack 7
- display 12
 - hotkeys 18
 - opening and closing 12
 - power management 12
 - simultaneous 12

troubleshooting 85

E

error messages 87
ethernet connection 28

F

FAQ. See frequently-asked questions
frequently-asked questions 85
front view 5

H

hard disk
 upgrading 60
Hibernation mode
 hotkey 18
hotkeys 18

I

indicator lights 13
inserting the disc 25

K

keyboard 15
 connecting externally 51
 embedded numeric keypad 16
 hotkeys 18
 lock keys 15
 troubleshooting 86
 Windows keys 17

L

launch keys 4, 23
LEDs 13
left view 6
line-in jack 8

M

media access
 on indicator 14
memory
 upgrading 60
messages
 error 87
microphone
 troubleshooting 86
modem 28
monitor
 connecting 49
mouse

connecting externally 52

N

notice
 DVD copyright protection 101
num lock 15
 on indicator 14
numeric keypad
 embedded 16

O

options
 hard disk upgrade 60
 memory upgrade 60
 PC cards 55
 spare AC adapter 59
 spare battery 59

P

palm rest 20
parallel port
 setting in BIOS Utility 78
password 37
 changing in BIOS Utility 81
 removing in BIOS Utility 81
 setting in BIOS Utility 80
 types 37
PC Card
 ejecting 56
 inserting 55
PC card 55
pc card slots 6
ports
 IEEE1394 port 8
 modem jack 8
 network jack 8
 usb port 7, 8
power
 turning on viii
Power management 45
printer
 connecting 53
 troubleshooting 86
problems 85
 audio 86
 display 85
 keyboard 86
 printer 86
 startup 85

Q

- questions
 - setting location for modem use 86

R

- rear view 7
- right view 7

S

- security
 - keylock 37
 - passwords 37
- serial port
 - setting in BIOS Utility 78
- service
 - when to call x
- simultaneous display 49
- software
 - bundled 69
- speakers
 - hotkey 18
 - troubleshooting 86
- Standby mode

- status indicator 13

- status indicator 3
- status indicators 13
- storage 25
- s-video 50

T

- time
 - setting in BIOS Utility 73
- touchpad 4, 21
 - using 21– 22
- travel
 - international flights 65
 - local trips 65

U

- USB
 - connecting 57
- utility
 - BIOS Setup 71– 82

W

- Windows keys 17

