

SONY**GRX590****VAIO****Sony VAIO® GRX-Series Notebook****MOVIES AND PHOTOS**

Gigantic 16.1" high-resolution LCD for outstanding viewing of your digital images!

**MUSIC AND ENTERTAINMENT**

Download. Make custom CDs that sound incredibly clear on the box speaker system!

**GOT WIRELESS?**

Included wireless LAN PC card for high-speed wireless access and mobile network connection⁸.

**STYLISH AND PROFESSIONAL**

Serious power and ultimate style with magnesium alloy casing. Who says you can't have it all?

FEATURES

- Amazing gigantic 16.1" UXGA screen - with ultra high-resolution and dual display!
- Mobile Intel® Pentium® 4 processor 1.70GHz¹ - M
- Wireless LAN PC card included!
- Enormous hard drive and hot swappable bay for CD-RW/DVD combo drive or optional 2nd battery
- Memory Stick® media slot allows you to tie together so many aspects of the digital world!
- i.LINK® (IEEE 1394) S400 digital interface⁴

SPECIFICATIONS

Model
PCG-GRX590

Mobile Intel® Pentium® 4 Processor-M

Mobile Intel® Pentium® 4 processor 1.70GHz¹-M supports Intel® Enhanced SpeedStep™ technology²

Cache Memory

512 KB integrated on-die level 2

Bus Speed

400 MHz

LCD

16.1" UXGA (1600x1200) TFT display

Graphics

4X AGP enabled ATI MOBILITY™ RADEON™ 7500

32 MB VRAM (128-bit DDR SDRAM)

Dual display support

DDR SDRAM

512 MB DDR SDRAM (256x2)

Hard Drive

Removable 40 GB³ hard drive

CD-RW/DVD-ROM Drive

Internal removable CD-RW/DVD combo drive

(R-write 16x; RW-write 10x; DVD-read 12x; CD-read 24x)

Optional Floppy Drive

External 1.44 MB, 3.5" USB floppy drive (PCGA-UFD5)

Memory Stick® Media Slot

Supports MagicGate™ Memory Stick® media (optional)

Hot-Swappable Multi-Bay

For CD-RW/DVD combo drive or optional second battery

Modem

Integrated V.90 modem

Ethernet

10BASE-T/100BASE-TX Ethernet with RJ-45 interface

Pointing Device

Center Jog Dial™ control with back button

Electro-Static touch pad

Estimated Battery Life⁵

Lithium-ion battery, supports dual battery operation

2.5-3.5 hours with one battery⁵

5.0-7.0 hours with optional second battery⁵

PC Card Slots

Supports two type I or type II cards, or 1 type III card

CardBus support

Audio

Windows® sound system compatible with 3D surround

Built-in stereo speakers; monoral mini-jack microphone

Other Interfaces

i.LINK® (IEEE 1394) interface⁴, TV out, 3 USB, RJ-11 modem

jack, RJ-45 Ethernet, Memory Stick® media slot, VGA output,

parallel, headphone (stereo), mic-in, port replicator interface

Optional Port Replicator

DC in, PS/2® keyboard and mouse, 2 USB, serial, parallel,

VGA output monitor, S-video, RJ-45, line-in, docking CN,

NTSC video out

Power Requirements

80 watts maximum (16V / AC100-240V)

Energy Star® compliant

Advanced power management - APM-ACPI compatible

Size (H x W x D)

1.6-1.8" X 14" X 11.5"

Weight

8.0 lbs. with one battery

8.4 lbs. with battery and optical drive

Supplied Accessories

Lithium-ion battery, power cord, AC adapter,

and weight saver

Optional Accessories

Port replicator (PCGA-BP2NX)

External USB floppy disk drive (PCGA-UFD5)

Additional battery (PCGA-BP2NX)

USB mouse (PCGA-UMS1/A)

Carrying case (PCGA-CCGX)

Additional AC adapter (TBD)

2.4GHz Wireless LAN access point (PCWA-A200)

2.4GHz Wireless LAN PC card (PCWA-C100)

5GHz wireless LAN access point (PCWA-A500)

5GHz wireless LAN PC card (PCWA-C500)

Service and Warranty Information

One year limited Express Service^{6,9}

One year limited parts and labor⁹

Telephone Support: One year hardware and 90 days soft-

ware and operating system from purchase date

Included Operating System

Microsoft® Windows® XP Home Edition⁹

Home and Business Software

Quicken® 2002 New User Edition¹²

Microsoft® Word 2002¹⁰

Movie and TV Software

Adobe Premiere® LE

Sony DVgate™

Sony MovieShaker™

Sony Pico Player™

InterVideo WinDVD™ 2000

Music Software

Sony SonicStage™

Screenblast™ Acid™

Screenblast™ Sound Forge®

Photo Software

Adobe Photoshop Elements

Arcsoft PhotoPrinter® 2000 Pro

Sony DigitalPrint

Sony PictureGear™

Sony Smart Capture

Online Center

America Online®¹¹

RealNetworks® Real Entertainment Suite

Sony EverQuest®¹¹

Virus, Tools, and Support Software

Skydesk Smartclone™

Trend Micro PC-Cillin®

VAIO Support Agent

- 1 GHz denotes microprocessor internal clock speed; other factors may affect application performance.
- 2 CPU speed will be reduced under certain operating conditions.
- 3 GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary.
- 4 i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
- 5 Estimated battery life. Actual battery life may vary on usage.
- 6 Certain restrictions apply to Express Repair Service.
- 7 Camcorder and i.LINK cable sold separately.
- 8 Wireless LAN access point sold separately.
- 9 From date of purchase with registration.
- 10 Certain Microsoft software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THIS PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during launch of the product, or upon certain reinstallations of the software product or reconfigurations of this computer, and may be completed by Internet or telephone (toll charges may apply).
- 11 Requires fees for use.
- 12 Existing users may be required to pay upgrade fee.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware option except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Preinstalled software may not be identical to retail versions or have all documentation.

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MULTIMEDIA
DIGITAL EDITING
software package!**



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