

SONY



**Now with
16 MB
DDR SDRAM!**

PCG-GR270 PCG-GR270P PCG-GR270K

- **Mobile Intel® Pentium® III processor 1GHz²-M supports Enhanced Intel® SpeedStep™ technology³**
- **Hot-swappable multi-bay supports CD-RW/DVD combo drive or optional second battery!**
- **256 MB SDRAM and removable 30 GB⁴ hard drive**
- **Integrated 10/100 Base-T Ethernet**
- **MagicGate™ Memory Stick® media slot**

FEATURES

- Mobile Intel® Pentium® processor III 1GHz²-M supports Enhanced Intel® SpeedStep™ technology³
- Hot-swappable multi-bay for internal removable CD-RW/DVD combo drive or optional additional battery
- Integrated 10Base-T/100Base-TX Ethernet
- MagicGate™ Memory Stick® media slot
- 15" XGA TFT screen (1024x768) with dual display support¹²
- 256 MB SDRAM (expandable to 512 MB max.)
- Removable 30 GB⁴ hard drive
- AGP-enabled ATI RAGE™ Mobility RADEON™-D graphics chip with 3D acceleration support
- 133 MHz² front side bus
- 16 MB DDR SDRAM
- center Jog Dial™ control with back button!
- High-capacity lithium-ion battery, dual battery capability
- i.LINK® (IEEE 1394) S400 interface⁶ supports high-speed digital video, audio, and data transfer capabilities among equipped Sony products
- Optional port replicator available for increased connectivity!
- Integrated V.90 modem
- Extended life battery!
- Available with Microsoft® Windows® XP Home Edition¹¹, XP Professional¹¹, or 2000 Professional¹¹
- 5.6 lbs.⁵ light, 1.4" thin
- 512K byte level two cache (on die)
- Two type one or type II or one type III PC card, with CardBus support
- Built-in stereo speakers

SPECIFICATIONS

Model
PCG-GR270, PCG-GR270P, PCG-GR270K

Processor
Mobile Intel® Pentium® III processor 1GHz²-M supports Enhanced Intel® SpeedStep™ technology³

Cache Memory
512 KB integrated on-die level 2

Bus Speed
133 MHz

Bus Architecture
AGP / PCI

LCD
15" XGA (1024x768) TFT
Dual display support¹²

Graphics
ATI RAGE™ Mobility RADEON™-D graphics chip
16 MB DDR SDRAM
3D acceleration support

Audio
Windows® sound system compatible with 3D surround

MPEG
MPEG1 and MPEG2 digital video
Supports full screen playback

Standard RAM
256 MB SDRAM (256 x 1), expandable to 512 MB

Open RAM Slot
1 SO-DIMM

Hard Drive
Removable 30 GB⁴

CD-RW/DVD-ROM Drive
Internal removable CD-RW/DVD combo drive

Floppy Drive¹
External 1.44 MB, 3.5" USB floppy disk drive

Memory Stick® Media Slot
Supports MagicGate™ Memory Stick® media¹

Hot-Swappable Multi-Bay supports:
• CD-RW/DVD combo drive
• Second battery¹

Modem
Integrated V.90 modem

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

Keyboard
86 key QWERTY layout
19mm key pitch
3mm stroke

Pointing Device
Center Jog Dial™ control with back button
Electro-Static touch pad

Speaker
Built-in stereo speakers

Microphone
Monoral mini-jack

Battery
Lithium-ion battery (PCGA-BP2E)
Supports dual battery operation

Battery Life
2.5 - 3.5 hours with one battery⁷
5.0 - 7.0 hours with optional second battery⁷

PC Card Slots
Supports type I or two type II cards or one type III card
CardBus support

Other Interfaces
i.LINK® (IEEE 1394) interface⁶, TV out, USB (3), RJ-11 modem jack, RJ-45 Ethernet, Memory Stick® media slot, VGA output monitor, parallel, headphone (stereo), mic-in, port replicator

Port Replicator¹
DC in, PS/2® keyboard and mouse, USB(2), serial, parallel, VGA output monitor, S-video, RJ-45, line-in, docking CN, NTSC video out

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

Power Management
Energy Star® compliant
Advanced power management - APM-ACPI compatible

Size (H x W x D)
1.4" X 12.3" X 10.3"

Weight
6.4 lbs.⁵
6.7 lbs. with battery and optical drive

Supplied Accessories
Lithium-ion battery, power cord, AC adapter, and weight saver

Optional Accessories
Port Replicator (PCGA-PRGR1)
Additional battery (PCGA-BP2E)
USB mouse (PCGA-UMS1/A)
Carrying case (PCGA-CCF)
Additional AC adapter (PCGA-AC16V)
Wireless LAN Access Point (PCWA-A200)
Wireless LAN PC Card (PCWA-C100)
External USB Floppy Disk Drive (PCGA-UFD5)

Service
Three years limited Express Service⁸

Limited Warranty
Three years limited parts and labor


Telephone Support
Hardware: Three years from date of purchase
Software and operating system: 90 days⁹

INCLUDED SOFTWARE

Operating System
GR270: Microsoft® Windows® XP Home Edition¹¹
GR270P: Microsoft® Windows® XP Professional¹¹
GR270K: Microsoft® Windows® 2000 Professional¹¹

Key Pre-Installed Software
Adaptec Easy CD Creator™¹³
Adobe Acrobat® Reader™
Adobe eBook Reader™¹²
Adobe PhotoShop Elements¹²
Adobe Premiere® LE
Microsoft® Word 2002¹¹
Norton AntiVirus™
Quicken® 2001¹³ or 2002¹²
QuickTime™
RealNetworks® Real Jukebox¹³
RealNetworks® RealPlayer™¹³
RealNetworks® Real Entertainment Suite¹²
ScreenBlast ACID¹²
Sonic Foundry® Sound Forge®¹²
Sony Digital Printing¹²
Sony DVgate™
Sony Everquest™^{12,10}
Sony MovieShaker™
Sony OpenMG™ Jukebox¹³
Sony PictureGear™
Sony Smart Capture
Sony SonicStage™¹²
Sony VisualFlow™
VAIO® Action Set Up
VAIO® Support Agent
WinDVD® 2000

Online Center
America Online®¹⁰
CompuServe® 2000¹⁰
Microsoft® Internet Explorer™^{11,10}
Netscape Communicator™¹⁰


Preloaded with
RealJukebox for Sony

1 Optional.
2 GHz and MHz denote microprocessor internal clock speed; other factors may affect application performance.
3 The processor may be reduced to a lower operating speed when operating on battery power.
4 GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary.
5 With one battery and weight saver in multi-bay.
6 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.
7 Estimated battery life. Actual battery life may vary on usage.
8 Certain restrictions apply to Express Repair Service.
9 From date of purchase.
10 Requires payment of additional fees or subscription for use.
11 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 reinstallation of the software product or reconfigurations of this computer, and may be completed by internet or telephone (toll charges may apply).
12 Not available with Microsoft® Windows® 2000 Professional
13 Available with Microsoft® Windows® 2000 Professional Only
Web address: <http://www.sony.com/vaio>

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. Some pre-installed software titles may not include full documentation. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display.

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Printed in U.S.A. 08/01