

Portable multimedia workshop.

World's first
DVD+/-RW
drive available!

EASILY BURN DVDs!
Easily turn home movies into DVDs¹¹ with Sony's exclusive Click to DVD™ Software

MOVIES AND PHOTOS¹⁰
Capture, edit, and share your digital photos or videos with Sony's exclusive digital editing software package!

STYLISH AND POWERFUL
Serious power with large high-resolution screens. Who says you can't have it all?



Sony Exclusive
MULTIMEDIA
DIGITAL EDITING
software package!



FEATURES

- Click to DVD™ Software, Turn home videos into DVDs with cutting-edge DVD+/-RW/CD-RW drive¹¹!
- Amazing gigantic 16" SXGA screen - with super high-resolution and dual display support!
- Intel® Pentium® 4 processor 2.60GHz¹
- i.LINK® (IEEE 1394) S400 digital interface⁴ and Memory Stick® media slot
- Dual battery capability lets you work and play for twice as long!

SPECIFICATIONS

Model
PCG-GRV680

Processor
Intel® Pentium® 4 processor 2.60GHz¹

Cache Memory
512 KB integrated on-die level 2

Bus Speed
400 MHz

LCD
16.0" SXGA (1280x1024) TFT display

Graphics
ATI MOBILITY™ RADEON™ 9000 with 64 MB DDR SDRAM with 3D performance
Dual display support

Memory
512 MB DDR SDRAM (256x2), maximum 1024 MB

Hard Drive
60 GB² hard drive

Optical Drive
Internal removable DVD+/-RW/CD-RW drive (Max speeds: DVD-R write 1x, DVD-RW write 1x, DVD+R write 2x, DVD+RW 2x, CD-R write 16x, CD-RW write 8x, CD-RW read 24x, DVD-ROM read 5x)

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

Multi-purpose Bay
For DVD+/-RW drive¹¹ or optional second battery

Modem
Integrated V.90 modem

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

Memory Stick® Media Slot
Supports optional Memory Stick® media

Pointing Device / Keyboard
Electro-Static touch pad
QWERTY, 86 keys with 2.7mm stroke and 19mm pitch

Estimated Battery Life⁴
Lithium-ion battery, supports dual battery operation
1.5-3.5 hours with standard battery⁴
3.0-7.0 hours with optional second battery⁴

PC Card Slots
2 type I/Type II cards, or 1 type III card with CardBus support

Audio
Windows® sound system compatible
Built-in stereo speakers; monaural mini-jack microphone
Optional external speakers (PCGA-SP1)

Other Interfaces
RJ-11 modem jack, i.LINK® (IEEE 1394) interface³, 3 USB, RJ-45 Ethernet, VGA output, parallel, headphone (stereo), monaural mini-jack microphone, AV out (mini-jack), port replicator connector

Optional Port Replicator (PCGA-PRGX1)
DC in, 2 USB, RJ-45 Ethernet, VGA output, PS/2® keyboard

and mouse, serial, parallel, composite out, S-Video out, line-in, line-out, docking CN

Power Requirements
115 watts maximum ±10% (19.5V / AC100-240V)
Energy Star® compliant
Advanced power management - APM-ACPI compatible

Weight
8.1 lbs. with one battery
8.7 lbs. with battery and optical drive

Size (H x W x D)
1.6"-1.8" X 14" X 11.8"

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

Optional Accessories
External USB floppy disk drive (PCGA-UFD5)
Additional battery (PCGA-BP2NX)
USB mouse (PCGA-UMS5)
Carrying case (PCGA-CCGX)
Additional AC adapter (PCGA-AC19V4)
Port replicator (PCGA-PRGX1)
802.11b Wireless LAN Pro access point (PCWA-A200)
802.11b Wireless LAN PC card (PCWA-C150S)
802.11b Wireless LAN Bridge access point (PCWA-A220)
802.11a Wireless LAN access point (PCWA-A500)
802.11a Wireless LAN PC card (PCWA-C500)
Visual Communication Camera (PCGA-UVC10)
Neoprene Notebook & AC Adapter Cases (PCGA-CCN3)
Notebook Sport Backpack (PCGA-CCP2)
External Speakers (PCGA-SP1)

Service and Warranty Information
One year limited Express Service⁵ (Certain restrictions apply.)
One year limited parts and labor⁶
Telephone Support⁷: One year hardware and 90 days software and operating system from purchase date

Operating System
Microsoft® Windows® XP Home Edition

Productivity Software
Microsoft® Money 2003®
Microsoft® Works 7.0
Microsoft® Encarta Online®

Video Software
Sony Click to DVD™
Adobe® Premiere® LE®
Sony DVgate™
Sony MovieShaker™
InterVideo® WinDVD® 4 for VAIO® PC
DigiOn™ and EasySystems Drag'n Drop CD+DVD

Music Software
Screenblast™ ACID™
Screenblast™ SoundForge®
Sony SonicStage™
RealNetworks® Real One Player

Photo Software
Adobe® Photoshop® Elements
Sony Network Smart Capture
Sony PictureGear Studio™

Communication
Sony VAIO Media™ Software

Gaming
Microsoft® Age of Empires

Virus, Tools, and Support Software
Trend Micro PC-Cillin⁷
VAIO Support Agent

- 1 GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
- 2 GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary.
- 3 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.
- 4 Estimated battery life. Actual battery life may vary on usage.
- 5 From date of purchase with registration.
- 6 Wireless LAN access point sold separately. Sony cannot guarantee the security of wireless communications.
- 7 Requires fees for use.
- 8 Certain features are time limited.
- 9 Limited duration trial subscription to Microsoft's current online version. Internet access required; additional fees (including telephone/long distance charges) may apply also.
- 10 Camcorder and i.LINK cable sold separately.
- 11 DVD+/-R and DVD+/-RW discs recorded on this drive will playback in most consumer DVD players and computer DVD-ROM drives

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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Sony recommends Microsoft® Windows® XP.