

Overview

Special Features

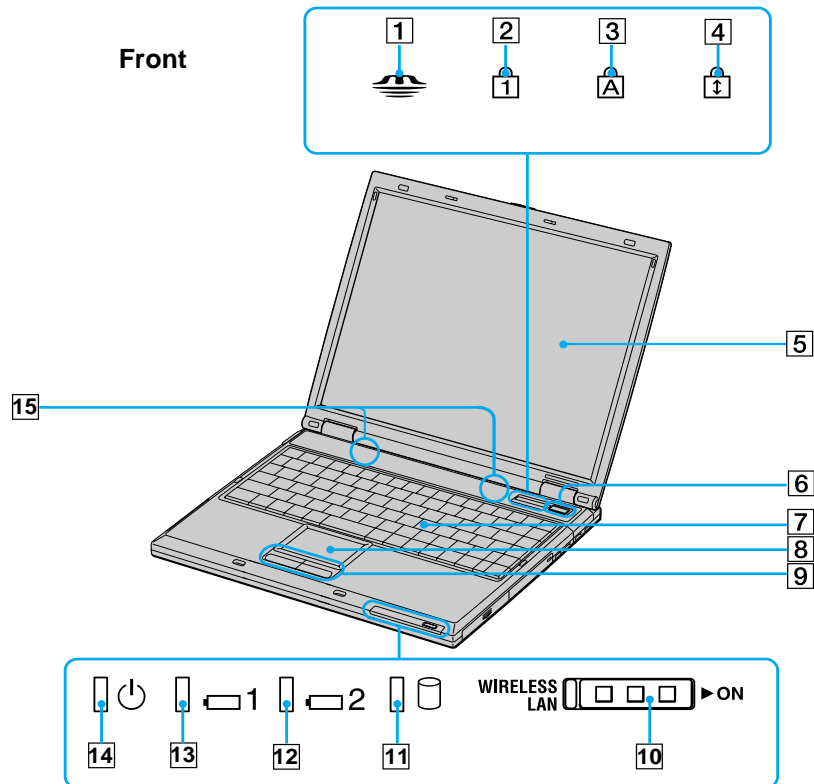
- ❑ **Sony Audio and Video Quality** — High Quality MPEG1 and MPEG2 digital video playback capability enables you to take advantage of advanced multimedia applications
- ❑ **Wireless LAN Capability** — Built-in IEEE 802.11b wireless LAN capability in a notebook gives you the perfect on-the-go workstation.

Software

- ❑ **Microsoft® Windows® operating system** — Includes Microsoft® Windows® XP Home Edition, XP Professional, or Windows® 2000 operating system
- ❑ **Audio and Video authoring, viewing and sharing** — Powerful applications for creating and sharing your own movies and for managing your audio files

Hardware

- ❑ **Exceptional Performance** — Mobile Intel® Pentium® 4 processor -M supports Enhanced Intel SpeedStep® technology¹
- ❑ **Power** — High-capacity lithium-ion battery
- ❑ **Portability** — Approximately 6.9 pounds light (with battery) and approximately 1.7" thin
- ❑ **Usability** — Large display, roomy hard drive, expandable memory:
 - ❑ 14.1" or 15" XGA TFT or 15" SXGA display
 - ❑ Up to 60 GB² hard disk drive
 - ❑ Memory expandable to 1024 MB



Connectivity —

- ❑ i.LINK® (IEEE 1394) port³
- ❑ USB ports (3)
- ❑ Memory Stick® media slot
- ❑ Integrated modem

Front

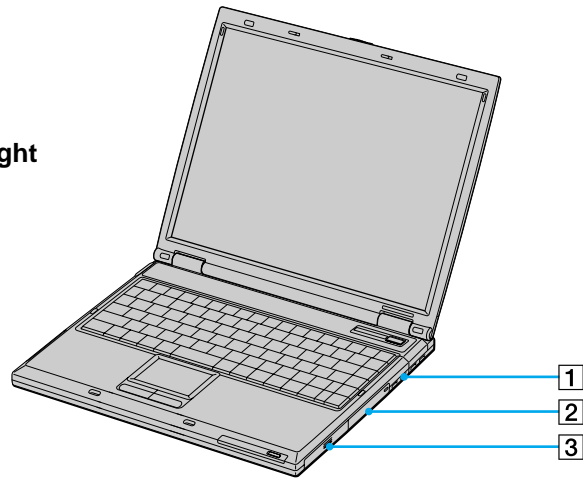
- 1 Memory Stick® media indicator
- 2 Num Lock indicator
- 3 Caps Lock indicator
- 4 Scroll Lock indicator
- 5 LCD screen
- 6 Power button
- 7 Keyboard
- 8 Touchpad
- 9 Left/right buttons
- 10 Wireless LAN switch
- 11 Hard disk drive indicator
- 12 Battery 2 indicator
- 13 Battery 1 indicator
- 14 Power indicator
- 15 Speakers

- 1 Processor speed will be reduced under certain operating conditions. GHz denotes microprocessor internal clock speed; other factors may affect application performance.
- 2 GB means 1 billion bytes when referring to hard disk drive capacity. Accessible capacity may vary.
- 3 i.LINK is a trademark of Sony used to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software applications, operating system, and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other. Please refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK PC peripherals to your system, such as a CD-RW or hard disk drive, confirm their operating system compatibility and required operating conditions.

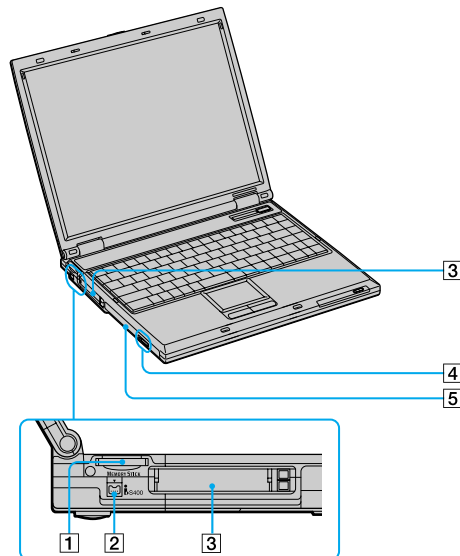
Right

- 1 Air Vent
- 2 Removeable hard disk drive
- 3 Battery bay

Right



Left



Left

- 1 Memory Stick® media slot
- 2 i.LINK® (IEEE 1394) S400 port
- 3 PC Card slot
- 4 Optical drive eject button
- 5 Multipurpose bay with integrated optical drive (CD-RW/DVD combo drive)

Standard Features

Shaded areas highlight customizable options.

Feature	Description PCG-GRS700 Series		
Processor	Mobile Intel® Pentium® 4 processor-M, 2 GHz ¹ or 1.80 GHz ¹ supports Enhanced Intel SpeedStep® technology ²		
L2 Cache Memory	512 KB (CPU Integrated)		
Operating System	Microsoft® Windows® XP Home Edition, Microsoft® Windows® XP Professional or Microsoft® Windows® 2000 Professional		
Hard Disk Drive C/D Partition	60 GB ³ C: 15 GB; D: 45GB	30 GB ³ C: 15 GB; D: 15 GB	
Standard RAM	256 MB DDR SDRAM ⁴ (Max. 1 GB ⁵)(Unbuffered DDR266 CL2.5 DDR SDRAM gold lead contacts)	512 MB DDR SDRAM ⁴ (Max. 1 GB ⁵)(Unbuffered DDR266 CL2.5 DDR SDRAM gold lead contacts)	1024 MB DDR SDRAM ⁴ (Unbuffered DDR266 CL2.5 DDR SDRAM gold lead contacts)
LCD Screen	14.1" XGA TFT (1024 x 768)	15.0" XGA TFT (1024 x 768)	15.0" SXGA TFT
Graphics	ATI MOBILITY™ RADEON™ 7500C		
Sound Capabilities	Windows® sound system compatible Integrated stereo speakers		
Optical Drive	CD-RW/DVD Drive up to 16x max. CD-R writing speed up to 10x max. CD-RW writing speed up to 8x max. DVD-ROM reading speed up to 24x max. CD-ROM reading speed DVD-RW Combo Drive up to 1x DVD-R writing speed up to 1x DVD-RW writing speed up to 4x DVD-RW/R reading speed up to 16x DVD-R reading speed up to 8x DVD-RW reading speed up to 8x DVD-ROM reading speed up to 8x CD-RW reading speed up to 24x CD-ROM reading speed DVD±RW Drive up to 1x DVD-R writing speed up to 1x DVD-RW writing speed up to 2x DVD-RW writing speed up to 2x DVD+R writing speed up to 2x DVD+RW writing speed up to 16x CD-R writing speed up to 8x CD-RW writing speed up to 24x CD-RW reading speed up to 5x DVD-ROM reading speed		
Modem	V.90-compatible modem ⁶		
Expansion Capabilities	Two Type I or II PC Cards, or one Type III PC Card, with CardBus support		

Standard Features (Continued)

Shaded areas highlight customizable options.

<i>Feature</i>	<i>Description PCG-GRS700 Series</i>
Built-in Capabilities	Stereo speakers Touchpad Memory Stick® media slot
Connection Capabilities	3 USB ports Modem line (RJ-11) port i.LINK® (IEEE 1394) port ⁷ Monitor (VGA) port Printer (parallel) port Ethernet port (10BASE-T/100BASE-TX) Microphone jack Headphone jack AV Out jackup Port replicator (docking station)
Supplied Accessories	Rechargeable battery pack AC adapter and power cord
Power Source	19.5V DC/AC 100-240V
Power Management	Energy Star® compliant Advanced Configuration and Power Interface (ACPI)
Battery	Lithium-ion; supports dual-battery operation
Dimensions (approximate)	12.9" (w) x 1.7" (h) x 10.7" (d) (327 mm x 41.6 - 43.6 mm x 271.6 mm)
Weight (approximate)	6.9 lbs. (3.1 kg) with battery
Operating Temperature	40° F to 95° F (5° C to 35° C)
Operating Humidity	20% to 80% (not condensed), provided that humidity is less than 65% at 95° F (35° C), hygrometer reading of less than 84° F (29° C)
Storage Temperature	-4° F to 140° F (-20° C to 60° C) temperature gradient less than 18° F (-10° C) per hour
Storage Humidity	20% to 80% (not condensed), provided that humidity is less than 65% at 95° F (35° C), hygrometer reading of less than 84° F (29° C)

1 GHz denotes maximum microprocessor internal clock speed; other factors may affect application performance.

2 Processor 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 Your system may contain additional memory installed at the time of purchase.

5 One gigabyte is equal to 1,024 megabytes.

6 Maximum speed for faxing is 14.4 kbps. Your modem is capable of downloading at 56 kbps using V.90. Your online service or Internet Service Provider may not support this technology or operate at this speed.

7 i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software applications, operating system, and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other. Refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK devices to your system, such as CD-RW or hard disk drive, confirm their operating system compatibility and required operating conditions.

Options

<i>Option</i>	<i>Description</i>	<i>Model Name</i>
Memory	128 MB memory upgrade for an open slot 256 MB memory upgrade for an open slot 512 MB memory upgrade for an open slot	
Monitors	A Sony monitor or Sony LCD projector may be connected as an external display. Display cable(s) required	
Drives	External USB floppy disk drive	PCGA-UFD5
i.LINK® (IEEE 1394) Devices¹	Only compatible i.LINK devices may be connected, using the following i.LINK cables: 1.5-meter, 4-pin connector 1.5-meter, 4-pin connector at one end and 6-pin connector at the other end 3.5-meter, 4-pin connector	VMC-IL4415A VMC-IL4615A VMC-IL4435A
USB Devices	Sony USB mouse Sony USB optical mouse with Memory Stick® media slot External USB floppy disk drive	PCGA-UMS1/A MSAC-US5 PCGA-UFD5
Memory Stick® Media²	32 MB 64 MB 128 MB	MSA-32A MSA-64A MSA-128A
Multimedia	External speakers Sony Digital Handycam® camcorder Sony digital still camera Sony Mavica® camera Sony projector External microphone or other audio device	PCGA-SP1
Wireless Connectivity	802.11b Wireless LAN Pro Access Point 802.11b Wireless LAN Bridge Access Point	PCWA-A200 PCWA-A220
Network Connectivity	Network compatible with third-party PC card network interface	
Other Connectivity	Personal Digital Assistant (PDA) or Sony CLIE™ handheld device	
Power	AC adapter Standard lithium-ion battery	
Carrying Cases	VAIO® Notebook Carrying Case Ample room to hold notebook computer, AC adapter, extra battery and floppy or optical disc drive. Additional compartments and pockets. Compatible with any VAIO notebook. VAIO® Notebook Backpack Ergonomically designed backpack with padded shoulder strap and ribbed contour padding on the back for maximum comfort. VAIO® Notebook & AC Adapter Neoprene Cases Protect your PC from spills, dings, and scratches.	

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2 Storage capacity may vary and a portion of the memory is used for data management functions.

Memory and Storage

<i>Item</i>	<i>Description</i>		
L2 Cache Memory	512 KB (CPU Integrated)		
Hard Disk Drive C/D Partition	60 GB ¹ C: 15 GB; D: 45GB	30 GB ¹ C: 15 GB; D: 15GB	
Standard RAM	256 MB SDRAM (expandable to 1 GB ²)	512 MB SDRAM (expandable to 1 GB ²)	1024 MB SDRAM

1 GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary.

2 One gigabyte is equal to 1,024 megabytes.

Typical Expansion Memory Configuration

<i>Total System Memory (MB)</i>	<i>Slot 1 (MB)</i>	<i>Slot 2 (MB)</i>
256	256	—
512	256	256
1024	512	512

Software

<i>Application</i>	<i>Description</i>
Adobe® Acrobat® Reader® <i>Adobe Systems Inc.</i>	Acrobat Reader software enables you to view, navigate, and print electronic documents in Adobe's Portable Document Format (PDF), an open file format that is intended to preserve the fidelity of documents created on many major computer platforms.
Adobe® Photoshop® Elements Trial Version <i>Adobe Systems Inc.</i>	Using state-of-the-art image editing tools, you can unleash your artistic ability and create digital images for print, e-mail, and posting to the Web. The versatile image capturing options enable you to start working with digital and traditional photos immediately. Explore extensive creative possibilities for your personal images with Adobe Photoshop Elements software. This trial version allows you to evaluate the software for 30 days, after which you can purchase the full program for a special price.
America Online® <i>America Online, Inc.</i>	America Online is a popular Internet or online service. Stay in touch with family and friends with easy-to-use e-mail. Manage your personal finances, get the latest news and sports scores, and chat with thousands of others who share your interests.
AT&T WorldNet® Service <i>AT&T Corp.</i>	AT&T WorldNet Service offers fast, reliable Internet access. Customer benefits include Web-based e-mail, video e-mail, multiple e-mail accounts, free Web pages, online and live agent technical support, instant messaging, and parental controls.
Boingo Wireless <i>Boingo Wireless, Inc.</i>	Boingo Wireless offers Wi-Fi access in hundreds of hot spot locations, including airports, hotels, coffee shops and other public spaces. Experience the Internet up to 100 times faster than dial-up, and enjoy being totally mobile.
Click to DVD™ <i>Sony Electronics Inc.</i>	At the touch of a button, Click to DVD software allows you to automatically burn DVDs from a digital video device. Create DVDs by capturing video content straight from a digital video (DV) device or by importing video from stored files — and you can also edit the video if desired. Create DVD photo albums and slide shows, with picture files or by importing pictures from a digital still camera. What's more, you can easily give a professional look to your DVDs by adding chapter menus, backgrounds, and menu screens. You're only a few clicks away from your own DVDs!
Drag'n Drop CD+DVD <i>DigiOn, Inc., and Easy Systems Japan Ltd.</i>	Drag'n Drop CD+DVD software is designed to make CD and DVD creation simple. You can create your own audio or data CDs and data DVDs. These discs can be read in most audio CD players or personal computers. With Drag'n Drop CD+DVD software, you can also back up CDs.
DVgate™ <i>Sony Electronics Inc.</i>	Connect a compatible digital video camera to your computer's i.LINK® ¹ port and capture video clips and still images. You can edit clips from your video, add new clips, and combine clips into new movie segments. You can also save your images in a variety of popular file formats.
Earthlink TotalAccess® <i>Earthlink, Inc.</i>	EarthLink, one of the world's largest Internet Service Provider, offers dial-up and broadband access to the Internet. Member benefits include e-mail, newsgroups, a Personal Start Page, free storage space for your personal Web site, a member magazine, and 24-hour technical support.
Microsoft® Encarta® Online <i>Microsoft Corp.</i>	Encarta® Online, the online version of the popular encyclopedia, includes more than 47,000 encyclopedia articles, many with multimedia features such as video and audio clips. You'll also find links to trusted Web sites with even more information. An interactive world atlas lets you zoom in on a particular region or country.
Microsoft® Money 2003 Standard <i>Microsoft Corp.</i>	Microsoft® Money 2003 Standard provides a quick and easy way to organize and manage your personal finances. New features include auto-balancing, a bills estimator, spending comparison reports, and investment reminders. Save time organizing and managing your cash flow and balancing your checkbook. Create and track a budget, pay your bills, organize your finances, and view a complete picture of your financial health all in one place.

Software (Continued)

Application	Description
Microsoft® MSN 8 Microsoft Corp.	MSN 8.0 combines fast, reliable service with innovative Microsoft software to make the Web more useful for you and your family. The new MSN 8 includes smart features such as automatic e-mail virus protection services, an intelligent junk mail filter, powerful parental controls, and easy switching tools.
Microsoft® Works Microsoft Corp.	Works lets you quickly and easily create high-quality, fun documents. Works provides the core tools you need to create documents, manage lists and schedules, create reports and budgets and organize information from many sources. Works includes Word Processor, Works Database, Works Spreadsheet, Works Portfolio, and Works Calendar.
MoodLogic MoodLogic, Inc.	MoodLogic is the world's largest descriptive database of song information. Information provided directly from music lovers like you. MoodLogic allows you to browse the songs by artist and genre, narrow your selections by tempo or year, save your favorite playlist and transfer it to a portable player.
MovieShaker™ Sony Electronics Inc.	MovieShaker software creates personal movies that have transitions, background music, special effects, and text. Just import your video clips, and "shake" with a click of the mouse. Your personal movies are easy to create and fun to share with family and friends.
Network Smart Capture Sony Electronics Inc.	Network Smart Capture captures images and video from any Sony Digital Camcorder that supports a standard i.LINK® connection. Send your video or still images through e-mail or upload them to the ImageStation ^(SM) service. You can use the Web camera function to automatically upload your captured images.
PC-cillin® Trend Micro, Inc.	PC-cillin antivirus software provides complete, easy-to-use, Internet-era virus protection at your computer's entry points (including beaming, synchronization, and Internet access) to defend against potential threats hidden inside files, e-mail, or on the Web. (Subscription required after initial evaluation period.)
PicoPlayer™ Sony Electronics Inc.	PicoPlayer software is a video player utility that enables you to use Giga Pocket™ Personal Video Recorder functions on a computer that does not have Giga Pocket™ Personal Video Recorder installed. You can play Video Capsules created by Giga Pocket™ Personal Video Recorder, and, if a Giga Pocket server is available on your home network, watch TV streamed from the Giga Pocket server and remotely control the Giga Pocket server's TV programming functions.
PictureGear Studio™ Sony Electronics Inc.	PictureGear Studio still image management software displays images from your hard drive or a Sony digital still camera. The images appear in a convenient light-table format, so that you can easily view the contents of an entire folder and create your own photo albums and make prints.
Quicken® 2003 New User Edition Intuit Inc.	Quicken software is a fast, easy way to organize your finances. Quicken software works just like your checkbook, so it's easy to learn and use. You can even pay your bills online. Quicken software manages all of your finances, bank accounts, credit cards, investments, and loans. (Users of earlier versions of Quicken software must upgrade for a fee.) Upgrade possible to Quicken® Deluxe, and other versions.
QuickTime® Apple Computer, Inc.	The versatile QuickTime software plays many different kinds of media files, including video, audio, and virtual reality (VR) movies. You can play QuickTime files (referred to as "QuickTime movies") using QuickTime Player or any other application, such as a Web browser or word processor, that supports QuickTime software.

Software (Continued)

Application	Description
RealOne™ Player <i>RealNetworks, Inc.</i>	RealOne™ Player is the all-in-one digital media player that lets you find everything and play anything. RealOne Player fuses a streaming media player, jukebox, browser and new content discovery service all in one application. Play CDs, MP3s and internet radio stations from anywhere in the world. View video clips and movies with the same player. Download music directly to your Sony MiniDisc Walkman® player or your Sony Memory Stick™ Walkman player.
SonicStage™ <i>Sony Electronics Inc.</i>	The SonicStage jukebox application gives you all the tools you need to manage music on your computer. SonicStage software sports high-quality digital audio storage, a music visualizer, a sleek player skin design, audio CD burning capability (on computer models that include a CD recording device), and a parametric equalizer for fine-tuning audio playback.
Sony ScreenBlast™ ACID™ <i>Sony Pictures Digital Entertainment</i>	With the powerful Sony ScreenBlast ACID software you can create royalty-free music by utilizing its loop-based production tool, including unlimited tracks and enhanced effects.
Sony ScreenBlast™ Sound Forge® <i>Sony Pictures Digital Entertainment</i>	Sony ScreenBlast Sound Forge software allows you to record, edit, and process mono or stereo audio files for your multimedia or Internet projects. Whether you want to use a number of professional effects, convert video into streaming media, or synchronize audio to video — this software has everything you need to create rich, immersive multimedia and Internet content.
Sony on Yahoo! <i>Yahoo! Inc.</i>	Personalize your own Web portal with Sony on Yahoo! Get a free Webmail account, customized news and local weather reports, comics, instant messaging, and more.
Sony® VAIO Hints and Tips <i>Sony Electronics Inc.</i>	VAIO Hints and Tips provides helpful information about using your computer's preinstalled hardware and software. You can find suggestions on improving system performance, answers to frequently asked questions, and creative ways to tap into your computer's multimedia capabilities. As you become familiar with your computer's features, your creative VAIO® computer experience expands.
Sony® VAIO® Product Registration <i>Sony Electronics Inc.</i>	VAIO Product Registration is an integrated registration application for both Sony Electronics and Microsoft. By registering to Sony Electronics, the VAIO computer owners become eligible for the extended warranty offered by Sony depending on the machine purchased. Microsoft directs the data to Sony Electronics. Sony uses the registration data for warranty purposes and the analysis of customer feedback on Sony computer features.
VAIO Media™ <i>Sony Electronics Inc.</i>	VAIO Media™ software brings multimedia to your network, enabling you to share music, video, and still image files between your VAIO computers. You can set up one or more computers as "media servers," which store your multimedia files and make them available to the other VAIO computers on your wired or wireless network.
VAIO Support Agent <i>Sony Electronics Inc.</i>	VAIO Support Agent provides immediate, interactive, online support with information about your preinstalled software and answers to frequently asked questions.
WinDVD® <i>InterVideo, Inc.</i>	WinDVD software is a simple-to-use DVD player that offers all the features you would expect to find in a standard consumer DVD player, including advanced display and navigation features such as zoom, pan, bookmark, and time search.

Your computer may not be supplied with all of the programs listed above depending on the configuration you purchased. Preinstalled software may not be identical to retail versions or include supporting documentation. Preinstalled software may not be identical to retail versions or have all documentation.

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