

SONY®

# VAIO® Notebook Specifications

## PCG-R505JS/PCG-R505JSK/PCG-R505JSP/PCG-R505JE/PCG-R505JEK PCG-R505JEP/PCG-R505JL/PCG-R505JLK/PCG-R505JLP/PCG-R505JL/C

The following table details the hardware specifications for your notebook.  
Specifications are subject to change without notice.

<b>Model</b>	<b>PCG-R505JS/JSK/JSP</b>	<b>PCG-R505JE/JEK/JEP</b>	<b>PCG-R505JL/JLK/JLP</b>	<b>PCG-R505JL/C</b>
<b>Processor</b>	Mobile Intel® Pentium® III processor* 850 MHz†		Mobile Intel® Pentium® III processor* 750 MHz†	
<b>L2 Cache Memory</b>	256 KB (CPU Integrated)		128 KB (CPU Integrated) 256 KB (CPU Integrated) for PCG-R505JLP	
<b>Hard Disk Drive C/D Partition</b>	30 GB‡ 40% and 60% (approximation)	20 GB‡ 40% and 60% (approximation)	15 GB‡ 40% and 60% (approximation)	
<b>Standard RAM</b>	256 MB SDRAM** (Expandable to 384 MB)	128 MB SDRAM** (Expandable to 384 MB)		256 MB SDRAM** (Expandable to 384 MB)
<b>LCD Screen</b>	12.1" XGA TFT			
<b>MPEG</b>	Available			
<b>Graphics</b>	Intel® 815 EM Integrated Graphic			
<b>Display Cache</b>	4 MB			
<b>Sound Capabilities</b>	Windows® sound system compatible, 3D surround Analog devices AD1881A			
<b>Modem</b>	V.90/K56flex compatible modem††			
<b>Expansion Capabilities</b>	One Type I or II PC Card with CardBus support			
<b>Connection Capabilities</b>	2 USB ports Phone line (RJ-11) jack i.LINK® (IEEE1394) port‡‡ Monitor (VGA) port Ethernet (10BASE-T/100BASE-TX) port Microphone jack Headphone jack Docking Station connector			
<b>Supplied Accessories</b>	Rechargeable battery AC adapter and power cord CD-RW/DVD Docking Station (PCG-R505JS/JSK/JSP/JL/C) DVD Docking Station (PCG-R505JL/JLK/JLP)			
<b>Power Source</b>	19.5V DC/AC 100-240V			
<b>Power Management</b>	Energy Star Compliant Advanced Configuration and Power Interface (ACPI)			
<b>Battery</b>	Lithium-ion Supports dual battery operation			

<b>Model</b>	<b>PCG-R505JS/JSK/JSP PCG-R505JE/JEK/JEP PCG-R505JL/JLK/JLP PCG-R505JL/C</b>
<b>Dimensions</b>	11.0" (w) x 0.9" (h) x 9.4" (d) (279.5 mm x 23 mm x 239 mm)**
<b>Weight</b>	3.75 lbs. (1.7 kg) with battery 5.95 lbs. (2.7 kg) with battery and docking station
<b>Operating Temperature</b>	40° F to 95° F (5° C to 35° C)
<b>Operating Humidity</b>	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)
<b>Storage Temperature</b>	4° F to 140° F (-20° C to 60° C) (temperature gradient less than 18° F (-10° C/hour)
<b>Storage Humidity</b>	10% to 90% (not condensed) provided that humidity is less than 20% at 140° F (60° C), hygrometer reading of less than 95° F (35° C)

\* CPU speed will be reduced under certain operating conditions.

† MHz denotes microprocessor internal clock speed; other factors may affect application performance.

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

\*\* Your system may contain additional memory installed at the time of purchase.

†† Maximum speed for faxing is 14.4 Kbps. Your modem is capable of downloading at 53 Kbps using V.90/K56flex. Your online service or Internet Service Provider may not support this technology or operate at this speed.

‡‡ 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 PC peripherals to your system, such as CD-RW or hard disk drive, confirm their operating system compatibility and required operating conditions.

\*\*\*Height measured at the thinnest point. Height at the thickest point is 1.15" (29.3 mm).

#### **Docking Station (supplied with selected models)**

<b>Model</b>	DVD Docking Station (PCGA-DSD5)	CD-RW/DVD Docking Station (PCGA-DSM5)
<b>Optical Drive</b>	DVD-ROM drive 24x maximum CD-ROM reading 8x maximum DVD-ROM reading*	CD-RW/DVD Combo Drive 24x maximum CD-ROM reading 8x maximum CD-R writing 4x maximum CD-RW writing 8x maximum DVD-ROM reading*
<b>Laser Diode Properties</b>	Wave Length: 785 nm (CD) and 650 nm (DVD) Laser Output: 28.3 μ W	Wave Length: 785 nm (CD) and 660 nm (DVD) Laser Output: 468 μ W
<b>Floppy Disk Drive</b>	3.5", 1.44 MB/720 KB, internal	
<b>Connection Capabilities</b>	i.LINK® (IEEE 1394) S400 port <sup>‡‡</sup> 2 USB ports Ethernet (10BASE-T/100BASE-TX) port Monitor (VGA) port Parallel (Printer) port Serial port Docking Station connector	
<b>Dimensions</b>	11.0" (w) x 0.8" (h) x 9.3" (d) (279.5 mm x 18.5 mm x 235 mm) <sup>†</sup>	
<b>Weight</b>	2.27 lbs. (1.03 kg)	2.38 lbs. (1.08 kg)

\* If a region code warning appears when using the optical drive, the DVD you are trying to play maybe incompatible with the DVD player drive in your VAIO notebook. Region code indicators such as "1" or "ALL" are labeled on some DVDs to indicate what type of player can play the discs. Unless "1" or "ALL" is identified on your DVD or its packaging, you cannot play the disc on this player.

† Height measured at the thinnest point. Height at the thickest point is 0.9" (21.5 mm).

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# VAIO® Notebook Specifications

## PCG-R505 Series

The following table details the range of available hardware specifications for your notebook. Specifications are subject to change without notice.

<b>Model</b>	<b>PCG-R505</b>
<b>Processor*</b>	Available: From Mobile Intel® Pentium® III processor <sup>†</sup> 750 MHz <sup>‡</sup> to Mobile Intel® Pentium® III processor 850 MHz
<b>L2 Cache Memory*</b>	Available: From 128 KB to 256 KB (CPU Integrated)
<b>Hard Disk Drive C/D Partition*</b>	Available: From 15 GB <sup>**</sup> to 30 GB 40% and 60% (approximation)
<b>Standard RAM*</b>	Available: From 128 MB SDRAM <sup>††</sup> to 256 MB SDRAM (Expandable to 384 MB)
<b>LCD Screen</b>	12.1" XGA TFT
<b>MPEG</b>	Available
<b>Graphics</b>	Intel® 815 EM Integrated Graphic
<b>Display Cache</b>	4 MB
<b>Sound Capabilities</b>	Windows® sound system compatible, 3D surround Analog devices AD1881A
<b>Modem</b>	V.90/K56flex compatible modem <sup>‡‡</sup>
<b>Expansion Capabilities</b>	One Type I or II PC Card with CardBus support
<b>Connection Capabilities</b>	2 USB ports Phone line (RJ-11) jack i.LINK® (IEEE1394) port <sup>***</sup> Monitor (VGA) port Ethernet (10BASE-T/100BASE-TX) port Microphone jack Headphone jack Docking Station connector
<b>Supplied Accessories</b>	Rechargeable battery AC adapter and power cord CD-RW/DVD Docking Station (optional) DVD Docking Station (optional)
<b>Power Source</b>	19.5V DC/AC 100-240V
<b>Power Management</b>	Energy Star Compliant Advanced Configuration and Power Interface (ACPI)
<b>Battery</b>	Lithium-ion Supports dual battery operation
<b>Dimensions</b>	11.0" (w) x 0.9" (h) x 9.4" (d) (279.5 mm x 23 mm x 239 mm) <sup>†††</sup>
<b>Weight</b>	3.75 lbs. (1.7 kg) with battery 5.95 lbs. (2.7 kg) with battery and docking station
<b>Operating Temperature</b>	40° F to 95° F (5° C to 35° C)

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<b>Model</b>	<b>PCG-R505</b>
<b>Operating Humidity</b>	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)
<b>Storage Temperature</b>	4° F to 140° F (-20° C to 60° C) (temperature gradient less than 18° F (-10° C/hour)
<b>Storage Humidity</b>	10% to 90% (not condensed) provided that humidity is less than 20% at 140° F (60° C), hygrometer reading of less than 95° F (35° C)

\* Certain specifications differ depending on the specific configuration you purchased.

† CPU speed will be reduced under certain operating conditions.

‡ MHz denotes microprocessor internal clock speed; other factors may affect application performance.

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

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

‡‡ Maximum speed for faxing is 14.4 Kbps. Your modem is capable of downloading at 53 Kbps using V.90/K56flex. Your online service or Internet Service Provider may not support this technology or operate at this speed.

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††† Height measured at the thinnest point. Height at the thickest point is 1.15" (29.3 mm).

**Docking Station (optional)\***

<b>Model</b>	DVD Docking Station (PCGA-DSD5)	CD-RW/DVD Docking Station (PCGA-DSM5)
<b>Optical Drive</b>	DVD-ROM drive 24x maximum CD-ROM reading 8x maximum DVD-ROM reading†	CD-RW/DVD Combo Drive 24x maximum CD-ROM reading 8x maximum CD-R writing 4x maximum CD-RW writing 8x maximum DVD-ROM reading†
<b>Laser Diode Properties</b>	Wave Length: 785 nm (CD) and 650 nm (DVD) Laser Output: 28.3 μ W	Wave Length: 785 nm (CD) and 660 nm (DVD) Laser Output: 468 μ W
<b>Floppy Disk Drive</b>	3.5", 1.44 MB/720 KB, internal	
<b>Connection Capabilities</b>	i.LINK® (IEEE 1394) S400 port‡ 2 USB ports Ethernet (10BASE-T/100BASE-TX) port Monitor (VGA) port Parallel (Printer) port Serial port Docking Station connector	
<b>Dimensions</b>	11.0" (w) x 0.8" (h) x 9.3" (d) (279.5 mm x 18.5 mm x 235 mm)**	
<b>Weight</b>	2.27 lbs. (1.03 kg)	2.38 lbs. (1.08 kg)

\* Docking Station may come with selected models.

† If a region code warning appears when using the optical drive, the DVD you are trying to play maybe incompatible with the DVD player drive in your VAIO notebook. Region code indicators such as "1" or "ALL" are labeled on some DVDs to indicate what type of player can play the discs. Unless "1" or "ALL" is identified on your DVD or its packaging, you cannot play the disc on this player.

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