

Model name	VGN-A517S
Model number	PCG-8T1M
Operating system	Microsoft® Windows® XP Home Edition with Service Pack 2
Processor	Intel® Pentium® M Processor 760 533 MHz FSB, Supports Enhanced Intel SpeedStep® Technology
Processor speed	2.00 GHz *1
Cache memory	2 MB on die
Chipset	Intel 915PM
Hard disk drive	120 GB *2 (Serial ATA, 5400 rpm)
Standard RAM	1 GB DDR2 SDRAM (PC2-4200 - DDR2-533) (2 x 512 MB)
Maximum RAM	2 GB DDR2 SDRAM *3
LCD screen	17.0" WXGA+ (1440 x 900) X-BLACK LCD
Graphics	ATI MOBILITY™ RADEON® X600 256MB HyperMemory™ *4
Sound capabilities	Intel® High Definition Audio compatible, 3D audio (Direct Sound 3D support)
Optical drive	Double layer DVD±RW drive: DVD±RW drive: up to 24x CD-ROM reading speed / up to 24x CD-R reading speed / up to 20x CD-RW reading speed / up to 8x DVD-ROM reading speed / up to 8x DVD-R reading speed / up to 4x DVD-RW reading speed / up to 4x DVD+R DL (Double Layer) reading speed / up to 8x DVD+R reading speed / up to 4x DVD+RW reading speed / up to 24x CD-R writing speed / up to 10x CDRW writing speed / up to 8x DVD-R writing speed / up to 4x DVD-RW writing speed / up to 2.4x DVD+R DL (Double Layer) writing speed / up to 8x DVD+R writing speed / up to 4x DVD+RW writing speed
Communication capabilities	Ethernet network (1000BASE-T / 100BASE-TX / 10BASE-T) (RJ-45), PSTN: built-in V.92/V.90 (56 Kbps) data/fax modem (RJ-11), Wireless LAN IEEE802.11b/g, Bluetooth®
Built-in capabilities	Stereo speakers, touchpad, auto luminance sensor, Plug & Display
Interfaces on notebook	Port replicator connector, i.LINK™ (IEEE1394) S400 port, 3 Hi-Speed USB (USB 2.0) ports (high/full/low speed supported) Type A connector, Monitor (VGA) port, Headphones jack, Microphone jack, DC In port, AV OUT jack, Memory Stick™ media slot (Standard size, Memory Stick™ Pro, Memory Stick™ Duo, high-speed data transfer compatible) *5
Interfaces on docking station	DC In port, Monitor (VGA) port, 4 Hi-Speed USB (USB 2.0) ports (high/full/low speed supported) Type A connector, Network (Ethernet) port (1000BASE-T / 100BASE-TX / 10BASE-T), Printer port, DVI-D port, Composite Audio In jacks, Composite Audio Out jacks, S Video Out port, Composite Video Out jack, Optical Out port,
Special buttons	WIRELESS switch, Mute button, Volume buttons, Brightness button, Magnify screen button, S1 button, Wireless Mouse Connect button
Wireless LAN	IEEE802.11b/g *6 *7, Channels: from 1 to 13, Encryption Key: 64 bit/128 bit WEP and WPA, Wi-Fi Certified
Bluetooth® technology	Bluetooth® standard version 2.0; Frequency band: 2.4 GHz ISM (2.4000 GHz - 2.4835 GHz) Speed: approx. 723 Kbps *6 Distance: max. approx. 10 m (open space) *7 Output: max. +6 dBm Profiles: Generic Access Profile (GAP), Service Discovery Application Profile (SDAP), Serial Port Profile (SPP), Dial-up Networking Profile (DUN) Generic Object Exchange Profile (GOEP), Object Push Profile (OPP), Hardcopy Cable Replacement Profile (HCRP), Human Interface Device Profile (HID), Personal Area
Supplied accessories	Rechargeable battery (PCGA-BP2EA), AC adapter (PCGAAC19V7), AC power cord, Wireless mouse, A/V port replicator (VGP-PRAV2), External speakers (VGP-SP2), Remote commander
Optional accessories	VAIO Carrying cases (VAIO Deluxe leather bag: PCGE-CCL2 – VAIO City Style Nylon bag: PCGE-CCP2W – VAIO Executive Carrying Case: PCGE-CCM2W) • VAIO Back Pack: VGP-EMB01 • Port Replicator (VGP-PRA1) • USB Floppy-drive (PCGA-UFD5) • 512 MB (VGP-MM512L) expansion memory module • AC adapter (VGP-AC19V10) • Rechargeable battery (PCGA-BP2EA) • +2 Years additional warranty (PCGE-VPW2) • +1 Years additional warranty (PCGE-VPW1) • Overseas Service (PCGE-VOS) • External USB mouse (ergonomic: VGP-UMS50 - Mini Optical: PCGA-UMS3B) • Bluetooth mouse (VGP-BMS30) • Wireless mouse (VGP-WMS50) & Wireless keyboard (VGP-WKB1) only available in UK, FR and DE • Security cable (PCGE-SECU1)
Power source	19.5 V DC / 100-240 V AC
Power management	ENERGY STAR® compliant - ACPI (Advanced Configuration & Power Interface)
Battery type	Lithium ion
Battery charging time	approximately 2 hrs 30 min
Battery life***	up to 1 h 35 min
Dimensions (w. x h. x d.)	405.5 mm / 42.2 - 45.2 mm / 280.1 mm
Weight with battery	3.9 kg (without Dockingstation)
Operating temperature	+5°C to +35°C (+40°F to +95°F) (temperature gradient less than 10°C (18°F)/hour)
Storage temperature	-20°C to +60°C (-4°F to +140°F) (temperature gradient less than 10°C (18°F)/hour)
Operating humidity	20% to 80% (non condensed), provided that humidity is less than 65% at +35°C (+95°F) (hygrometer reading of less than +29°C (+84°F))
Storage humidity	10% to 90% (non condensed), provided that humidity is less than 20% at +60°C (+140°F) (hygrometer reading of less than +35°C (+95°F))
System recovery files	On HDD (hidden partition)
Software	Audio: SonicStage 3.2, SonicStage Mastering Studio 1.4, MoodLogic 2.5 CD-(DVD) Burning: Roxio Digital Media SE 2.3, Click to DVD® 2.4 Media Sharing: VAIO Media 4.1 Office Applications: Adobe® Acrobat® Professional 7.0 (Try & Buy), Adobe® Acrobat® Elements 7.0, Adobe® Reader® 7.0, Microsoft® Works 8.0 Microsoft Office 2003 SBE (Try & Buy) Photo: Adobe® Photoshop® Elements 3.0, PictureGear Studio 2.0 Security & Utilities: Google Toolbar 2.0, Memory Stick Formatter 2.4, Norton Internet Security 2005 AntiSpyware Edition, Norton Password Manager Installer 2004, VAIO Update 2.1, My Club VAIO 1.1, Yahoo! Messenger 6, Utimaco Privatedisk easy 1.0 (Try & Buy), Skype, VAIO Recovery Utility 2.5, Image Converter Video and TV: Adobe® Premiere® Standard, DVgate Plus 2.1, VAIO Edit Components 5.0, WinDVD 5.0 for VAIO, VAIO Zone 1.4

\*1 CPU speed will be reduced under certain operating conditions.

\*2 One GB is defined as 1,000,000,000 bytes. The actual capacity varies with preloaded material and operating environment and will be less.

\*3 If you install memory modules of the same capacity to both of the two memory module slots, your computer will run in dual channel mode and provide better performance. Battery results measured from MobileMark 2002® from FutureMark™. Factory defaults used, default Windows® PowerProfiles and Sony Power Management applied. See <http://www.bapco.com> for details on default testing environment.

\*4 HyperMemory™ is calculated as the cumulative total of local and system memory used by the Visual Processing Unit (VPU) intended for use in the processing and creation of 3D and other image data.

\*5 The MagicGate copyright technology feature is not available on your computer.

\*6 The maximum communication speed can vary depending on the obstacles or the distance between the communication devices, the radio waves, the operating system or the software you use.

\*7 The communication distance can vary depending on the obstacles between the communication devices, the radio waves, the operating system, the software you use or the surroundings (walls).