

SONY



Intel® Centrino® Duo Processor Technology

VAIO SZ

VGN-SZ56GN/B



Distinct technology and sharp mobility.

Sony recommends Windows Vista® Business.

Specifications

Model	VGN-SZ56GN/B
Processor Technology	Intel® Centrino® Duo Processor Technology • Intel® Core™2 Duo Processor T7500 (2.20GHz) ^{1,2} • Intel® PRO/Wireless 3945ABG Network Connection • Mobile Intel® GM965 Express Chipset
OS	Genuine Windows Vista® Business (English version) with Traditional Chinese Language Pack
Chipset	Mobile Intel® GM965 Express Chipset
Processor System Bus	800MHz
Memory Bus	667MHz
Cache Memory	4MB Advanced Smart Cache
Main Memory	Pre-installed / Max 1GB DDR2 SDRAM ³ (upgradeable up to 2GB) SO-DIMM slots 2 SO-DIMM slots (The pre-installed memory module uses one)
Hard Disk Drive	120GB (HDD recovery storage max. 8GB) ⁴ , C: Remain Serial ATA, 5400rpm, Hybrid HDD
Drive	DVD±RW/±R DL/DRAM Drive
Optical Disc Drive	Maximum Reading Speed DVD+R: 8x (Single Layer), 6x (Double Layer) / DVD-R: 8x (Single Layer), 6x (Dual Layer) / DVD+RW: 8x / DVD-RW: 8x / DVD-ROM: 8x / DVD-RAM: 5x / CD-ROM: 24x / CD-R: 24x / CD-RW: 24x Maximum Writing Speed DVD+R: 8x (Single Layer), 4x (Double Layer) / DVD-R: 8x (Single Layer), 4x (Dual Layer) / DVD+RW: 8x / DVD-RW: 6x / DVD-RAM: 5x / CD-R: 24x / CD-RW: 16x
Graphics Accelerator	NVIDIA® GeForce® 8400M GS notebook graphics processing unit (GPU) (SPEED MODE) / Intel® Graphics Media Accelerator X3100 (STAMINA MODE)
Total Available Graphics Memory (Max)⁵	319MB (SPEED MODE) / 251MB (STAMINA MODE)
Display	13.3" Wide (WXGA: 1280 x 800) TFT Colour display (Clear Bright LCD)
USB	High Speed USB 2.0 x 2
i.LINK (IEEE 1394)	4pin (S400) x 1
Network (RJ-45) Connector	10Base-T/100Base-TX/1000Base-T x 1
Display Output Connector	Analogue RGB, mini D-sub 15pin x 1
Headphone	stereo mini jack x 1
Microphone	stereo mini jack x 1
Modem	V.92 and V.90 Compliant x 1
Memory Stick Slot	Memory Stick Duo Slot (MagicGate compatible, Memory Stick PRO Duo compatible, High-speed data transfer compatible) ⁶
DC IN	x 1
Others	Docking Station Connector x 1
Wireless LAN	• Integrated Wireless LAN IEEE 802.11a/b/g ⁷ • Intel® PRO/Wireless 3945ABG Network Connection • Data rate: maximum 11Mbps (802.11b) / 54Mbps (802.11a/g) ⁸ • Frequency: 5GHz (802.11a), 2.4GHz (802.11b/g)
Bluetooth	Bluetooth standard Ver. 2.0+EDR
Compatible Memory Cards⁹	• Memory Stick (Standard/Duo Size, MagicGate, Memory Stick PRO) ¹⁰ • SD Memory Card (SDHC Compatible) ¹¹ • Multi Media Card • xD-Picture Card
PC Card Slot	• ExpressCard™/34 x 1 • Type I/II x 1
Fingerprint Sensor	x 1
Security Chip	TCG Ver. 1.2 compliant Trusted Platform Module (TPM)
Camera	Effective Pixels: 640 x 480
Audio	• DSD compatible high quality sound chip: "Sound Reality" (Intel® High Definition Audio compatible) • 3D audio (Direct Sound 3D support) • Built-in stereo speakers • Built-in monaural microphone
Keyboard / Input Device	• Approx. 19mm key pitch / 3.0mm keystroke • 86 keys • Intelligent Touchpad
Battery	Bundled Battery VGP-BPS9A/B Lithium-ion battery: up to 6 hours of use Optional Long Battery VGP-BPL9 Lithium-ion battery: up to 9.5 hours of use
Life¹²	
Dimensions (W x H x D)	315 x 24.7 - 36.4 x 234.3mm
Weight	1.93kg (including the supplied battery)
Included Software	• AV Entertainment: Image Converter 3 • Video Edit/Playback: VAIO Video & Photo Suite 1.1, Adobe® Premiere® Elements 3.0, VAIO Edit Components 6.2, WinDVD for VAIO 8.0 • DVD Creation: Click to DVD 2.6 • Music: SonicStage CP 4.3, SonicStage Mastering Studio 2.3, SonicStage Mastering Studio Audio Filter 2.3, DSD Direct Player 1.0 • Still Image/Photo: Windows® Photo Gallery, Adobe® Photoshop® Elements 5.0 (Installer) • Home Network: VAIO Media 6.0 • Tool: Roxio Easy Media Creator 9.0, Adobe® Reader® 8, Norton Internet Security™ 2007 ¹³ • Utilities: VAIO Control Center 2.0, VAIO Camera Utility 2.0, VAIO Camera Capture Utility 2.3, VAIO HDD Protection 2.1, Infineon TPM Professional Package (Installer), Protector Suite QL 5.6, Battery Care Function 1.2, VAIO Status Monitor 1.2 • Support: VAIO Data Restore Tool, VAIO Recovery Center, VAIO Update 3.0
Supplied Accessories	• AC Adaptor (VGP-AC19V26) • Lithium-ion battery (VGP-BPS9A/B) ¹⁴ • Memory Card Adaptor (VGP-MCA20A)
Warranty	One year ¹⁵

Features and specifications are subject to change without notice.

¹ CPU speed will be reduced under certain operating conditions. ² Intel® Virtualization Technology is not supported on VAIO. ³ If memory modules of the same capacity are installed to both of the two memory module slots, computer will run in dual channel mode and provide better performance. ⁴ Necessary data for recovery (setting back to initial shipment settings) in the hard disk drive consuming approximately 8GB in size is available separately. ⁵ Total Available Graphics Memory refers to the new Windows Vista® classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory. ⁶ Compatibility confirmed with Sony branded "Memory Stick" media only. ⁷ The maximum communication distance can vary depending on the obstacles or the distance between the communication devices, the radio waves, the operating system or the software being used. ⁸ The communication speed varies depending on the distance between communication devices, existence of obstacles between such devices, the device configuration, the radio conditions, and the software in use. In addition, communication may be cut off depending on the radio conditions. ⁹ Including cards that can be inserted in direct slots and the supplied memory card adaptor (VGP-MCA20A). ¹⁰ As for the Memory Stick PRO media, only Sony branded media is recommended to use with the Memory Card Adaptor (VGP-MCA20A). ¹¹ The copyright protection and high-speed data transfer features of the SD memory card are not supported (VGP-MCA20A). ¹² Estimated battery life (under JETTA Battery Run Time Measurement Method ver. 1.0). Actual battery life may vary with different operating conditions and settings. Estimated battery life at "SPEED MODE" will be approximately 1.5 hours shorter for VGP-BPS9A/B and approximately 2.0 hours shorter for VGP-BPL9. For further details, please visit vaio-online.sony.com ¹³ Free use of 90 days. Further update will be charged. ¹⁴ This product may only function with a genuine Sony battery designed for this model. ¹⁵ Warranty conditions may vary by region.

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Optional Accessories for VGN-SZ56GN/B (availability depends on region)

VGP-PRSZ1

Docking Station

- Monitor connector
- Network connector
- USB 2.0 connector (x3)



VGP-CKSZ1

Carrying Case

- Integrated "VAIO Smart Protection™" for PC cushion
- Solid design matching VAIO SZ



VGP-BPL9

Lithium-ion Battery (L)

- Rechargeable battery
- Up to 9.5 hours of use¹²



VGP-CP15

Carrying Pouch

- Embossed VAIO logo
- Handy mini-pouch
- Opens smoothly and quietly



VGP-BMS33

Silver (S), Gold (N), Black (B) Bluetooth® Laser Mouse

- Smart wireless mouse for mobile use
- Highly accurate laser sensor
- Innovative PTFE sole for precise operation
- Sensor resolution: 800 dots per inch



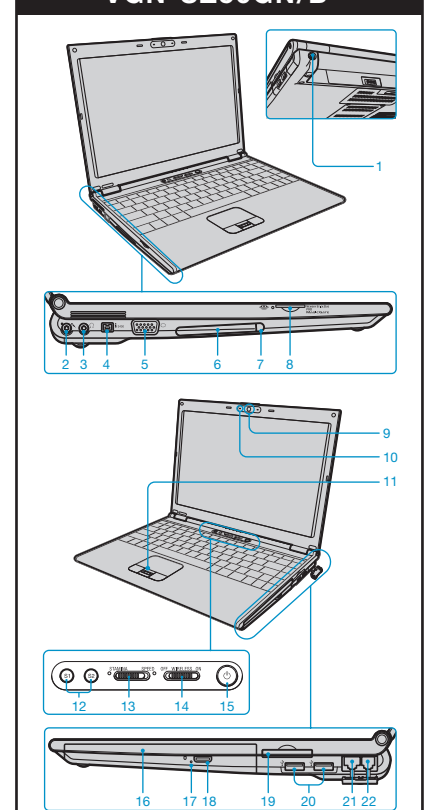
VGP-UMS55

Silver (S), Black (B) USB Laser Mouse

- Ergonomic design naturally fits your hand
- Highly accurate laser sensor



VGN-SZ56GN/B



1. DC-IN connector
2. Microphone jack
3. Headphone jack
4. i.LINK™ (IEEE 1394) S400 connector
5. Monitor connector (Analogue RGB, mini D-SUB 15-pin)
6. PC Card slot (Type I/II x 1)
7. PC Card eject button
8. Memory Stick Duo slot
9. Built-in MOTION EYE camera
10. Built-in microphone (monaural)
11. Fingerprint sensor
12. Shortcut buttons
13. Performance selector switch
14. Wireless switch
15. Power button
16. Optical disc drive
17. Manual eject hole
18. Disc eject button
19. ExpressCard™/34 slot
20. Hi-speed USB (USB 2.0) connectors
21. Network (Ethernet) connector
22. Modem connector

like.no.other

VAIO
no more bounds

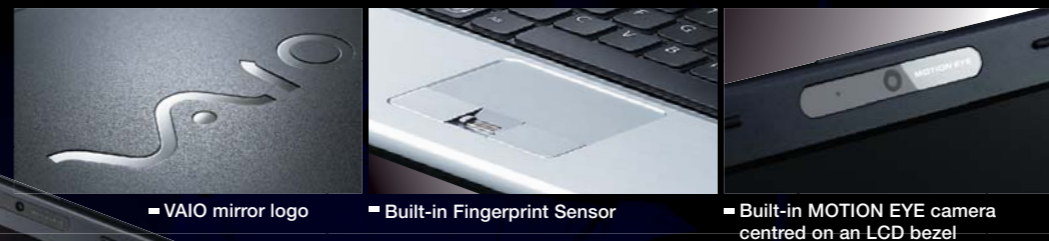


vaio-online.sony.com

Exceptional mobility and style in a powerful notebook

VGN-SZ56GN/B

The 13.3" wide VAIO SZ56GN/B has several high-performance features to meet business needs while you're on the go. Advanced Intel® Centrino® Duo Processor Technology (featuring the latest Intel® Core™2 Duo Processor) delivers powerful performance, while Sony's original Hybrid Graphic System offers freedom to choose the graphic accelerator you need. With characteristic 13.3" wide Clear Bright LCD, the latest Hybrid Hard Disc Drive, and full-pitched, full-sized keyboard, the VAIO SZ56GN/B offers optimum usability for all-around computing and multimedia. What's more, two-toned colouring with exclusive Charcoal Black and light silver, plus the high-quality aluminium hairline palm rest, bring extra stylishness to the overall design. And these are just some of the advances concentrated into a 13.3" wide mobile notebook — that's the VAIO SZ56GN/B.



VAIO mirror logo Built-in Fingerprint Sensor Built-in MOTION EYE camera centred on an LCD bezel

Advanced tech styled in a 13.3" wide size

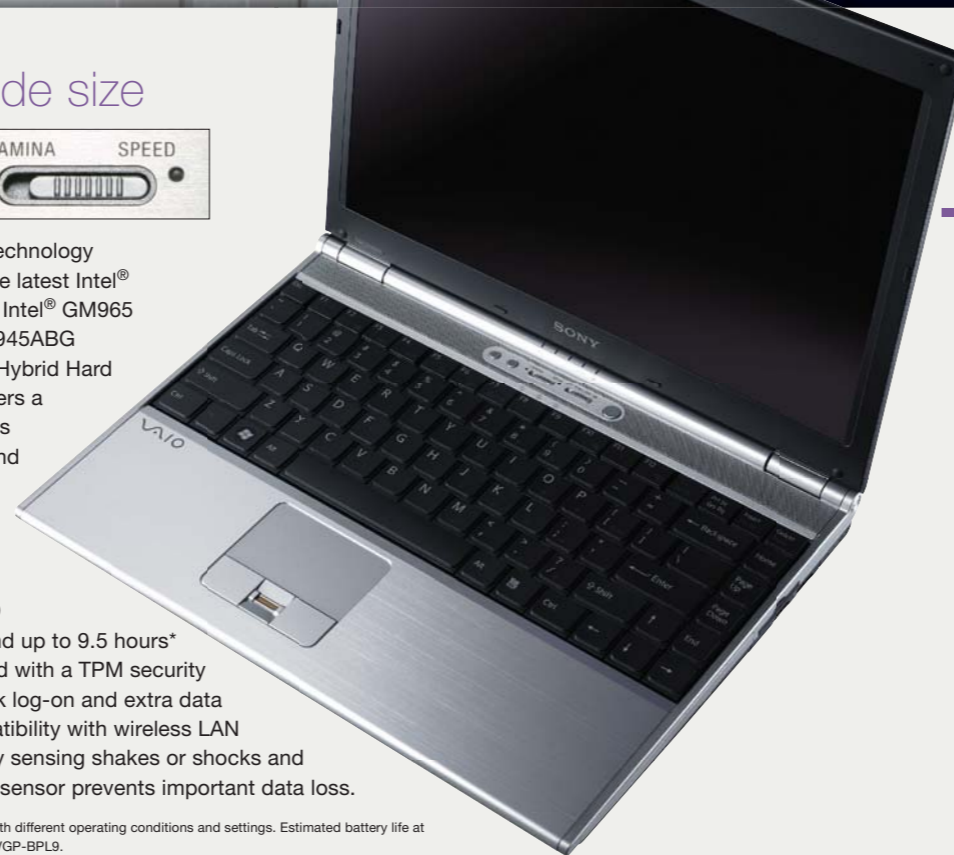
VAIO SZ56GN/B's 13.3" wide size offers optimum display space for efficient business use or movies. Open an application window with a task menu, or two in horizontal layout. Also efficient are the latest operating system, Windows Vista® Business, and features offering leading technology. Innovative Intel® Centrino® Duo Processor Technology ensures extremely smooth and powerful mobile performance featuring the latest Intel® Core™2 Duo Processor T7500 (2.20GHz), and advanced chipset (Mobile Intel® GM965 Express Chipset) supported by FSB 800MHz, and Intel® PRO/Wireless 3945ABG Network Connection. Moreover, access speed is increased by the latest Hybrid Hard Disc Drive for faster operation. Sony's unique Hybrid Graphic System offers a choice of external NVIDIA® GeForce® 8400M GS GPU or internal graphics accelerator. Use SPEED MODE for 3D games, video playing or editing, and STAMINA MODE for various mobile scenes.



Mobile endurance and security

For powerful mobile performance, long-lasting stamina is essential. VAIO SZ56GN/B offers up to 6 hours* with standard battery VGP-BPS9A/B, and up to 9.5 hours* with optional battery VGP-BPL9. In addition, VAIO SZ56GN/B is equipped with a TPM security chip, biometric fingerprint sensor, and HDD password capability for quick log-on and extra data security. Fast and smooth mobility comes from VAIO SZ56GN/B's compatibility with wireless LAN standards IEEE 802.11a, IEEE 802.11b and IEEE 802.11g (Wi-Fi). And, by sensing shakes or shocks and securing the HDD, VAIO HDD Protection with integrated 3D acceleration sensor prevents important data loss.

* Estimated battery life (under JEITA Battery Run Time Measurement Method ver. 1.0). Actual battery life may vary with different operating conditions and settings. Estimated battery life at "SPEED MODE" will be approximately 1.5 hours shorter for VGP-BPS9A/B and approximately 2.0 hours shorter for VGP-BPL9.



Communication advantages + AV

VAIO SZ56GN/B features advanced mobile PC communication with built-in MOTION EYE camera and mic. Simply turn on MOTION EYE for convenient videoconferencing. Or use Bluetooth®-compatible headsets with applications for smooth voice communication. VAIO SZ56GN/B also features versatile audiovisual capabilities. Sony's Sound Reality audio chip takes sound performance to a superior level. And SonicStage Mastering Studio Audio Filter with 4 exclusive sound presets works superbly with specially recommended headphones*. With VAIO SZ56GN/B's DVD±RW/±R DL/RAM Drive, archiving your digital masterpieces like home videos, edited movies, or photos couldn't be smoother. For flexible editing capability, take advantage of the integrated Memory Stick Duo slot and ExpressCard™/34 slot plus bundled Memory Card Adaptor. Communicate, create, and listen with VAIO SZ56GN/B!



Recommended headset



Sony Ericsson HBH-PV705*

Powerful Software for creative minds.

VIDEO & PHOTOS



Click to DVD
Create video and photo DVDs on DVD±RW/±R DL or DVD-RAM discs in one click, with 5.1 surround sound.



VAIO Video & Photo Suite
Import and export a wide range of AV files simply and smoothly for playback and editing.



Adobe® Premiere® Elements
Enjoy advanced editing of videos, photos, and music with this renowned software.



Adobe® Photoshop® Elements
Add a personal touch to your prized still images and present them effectively to your friends.



Roxio Easy Media Creator
Back up audio, image, and data files on CDs and DVDs with ease for personal archiving.

WinDVD for VAIO / Windows® Photo Gallery

MUSIC



SonicStage CP
Import the music you like from various sources, create your own playlists and send your music to a Walkman.*



SonicStage Mastering Studio
Convert analogue music to digitally enhanced audio** with high-quality effector modules.



SonicStage Mastering Studio Audio Filter
Enhance any audio content played on VAIO laptop PCs and enjoy it with excellent headphone presets.

SUPPORT

VAIO Update
Alerting you to important changes via Internet that appear as reminder balloons on your desktop.***

Norton Internet Security™ 2007
Highly effective monitoring for viruses and spyware helps keep computing secure.****

VAIO Recovery Center / VAIO Data Restore Tool

Main features

High-durability: Magnesium body	Beautiful viewing: Clear Bright LCD	Built-in Camera: MOTION EYE	Light for its size: 1.93kg	Network freedom: Wireless LAN 802.11a/b/g / Bluetooth®	Handy presentation: Plug & Display
Instant ID recognition: Fingerprint Sensor	Assured security: TPM Security Chip / Hard Disk Password	Comfortable typing: Full-pitched Keyboard	Direct Media Access: Memory Stick Duo Slot	Broad media capability: Memory Card Adaptor	High quality sound: Sound Reality Audio Chip

Basic specifications

Intel® Core™2 Duo Processor T7500 (2.20GHz)	Genuine Windows Vista® Business	13.3" WXGA display 1280 x 800	NVIDIA® GeForce® 8400M GS GPU
DVD±RW/±R DL/RAM Drive	Memory 1GB	Hybrid Hard Disk Drive 120GB	

* Availability depends on region.
** Roland EDIROL AUDIO capture UA-25* or UA-101* USB audio interface device required.
*** Internet connection required for use.
**** Free use of 90 days. Further update will be charged.

Note: Any copying or reproduction of copyrighted material may amount to copyright infringement. Song titles, names of artists and other information shown in the SonicStage CP screen capture are provided for illustrative purposes only.

