

**VAIO Personal Computer - VGN-SZ28GP/C and VGN-SZ23GP/B**



VGN-SZ28GP/C



VGN-SZ23GP/B

**Hong Kong, May 30, 2006** – Sony Corporation of Hong Kong Limited today added two new more powerful successor models to its popular VAIO SZ-Series, the VGN-SZ28GP/C and VGN-SZ23GP/B. With greater processing power, more memory and a 100GB Hard Disk, the new VGN-SZ28GP/C enhances VAIO's innovative notebook solution for today's business and personal users.

The VGN-SZ28GP/C further expands the boundaries in VAIO's mobile flagship line with outstanding processing power thanks to the Intel® Core™ Duo Processor T2500 (2GHz). Enhancing its latest Intel® architecture is an increased main memory of 1GB (upgradeable to 2GB) for smoother and more efficient operation of both business and entertainment applications. The new 100GB Hard Disk in the VGN-SZ28GP/C furthers strengthens its computing power.

In addition to its high processing power and portability, business users will appreciate the signature security protocols of the VGN-SZ28GP/C with Fingerprint recognition technology, HDD protection and a TPM security chip for additional protection. A built-in MOTION EYE camera and microphone enhance the SZ-Series visual and voice communications features, while added Bluetooth® makes communications easier than ever before. The VAIO Camera Utility application software activates automatically when the user launches their choice of communications related applications, allowing simple, intuitive control over various visual factors for further convenience in visual communications.

The VGN-SZ28GP/C continues VAIO's commitment to both outstanding graphics and ultimate stamina with the inclusion of the Hybrid Graphics System. The VGN-SZ28GP/C users can instantly switch from "STAMINA MODE" to preserve battery life when traveling or to "SPEED MODE" to enjoy the highest quality graphics when

working in the office or relaxing with a DVD at home. The incorporation of White LED screen in the VGN-SZ28GP/C helps reduce power consumption and contributes to the SZ series incredible stamina, offering up to seven hours (in STAMINA MODE) of mobile usage per day.

With high speed processing power, stringent security and enhanced communications capability, the SZ-series offers the ultimate solution for true mobile executives, while still satisfying the demand for stylish design and attractive entertainment features. The power and functionality of the new VAIO VGN-SZ28GP/C makes it the ultimate 3-in-1 Notebook PC ideal for mobile executions.

### **Order Now**

Preordering for the VGN-SZ23GP/B runs from 30 May to 11 June, 2006 on Sony Style Web site ([www.sonystyle.com.hk](http://www.sonystyle.com.hk)), Sony 24-hour tele-sales hotline at 2345-2966, Sony Style Hong Kong or Sony Shops, at the suggested retail price of HK\$11,980. Customers who order the VGN-SZ23GP/B can buy a privacy filter VGP-FL8 at HK\$300 (worth HK\$600).

The VGN-SZ28GP/C will be available in mid of June, 2006 at the suggested retail price of HK\$16,980. For customer enquiries, please contact the Sony 24-hour customer service hotline at (852) 2345-2966.

### **no more bounds**

VAIO has focused on offering new ways of enjoying the PC ever since its introduction. With its successful establishment as a brand in the fields of computing and personal entertainment, VAIO has entered a new phase of dynamic transformation. By removing the boundaries between traditional AV and IT products and revealing new possibilities while simplifying the way technology is used, VAIO provides the full benefits of true AV/IT convergence: further enjoyment of entertainment content anywhere, anytime.

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Key specifications of the VGN-SZ23GP/B and VGN-SZ28GP/C are as below:

Model	VGN-SZ23GP/B	VGN-SZ28GP/C
Platform/ Microprocessor	Intel® Centrino® Duo Mobile Technology	
	Intel® Core™ Duo Processor T2300 (1.66GHz)* <sup>1</sup>	Intel® Core™ Duo Processor T2500 (2GHz)* <sup>1</sup>
	Intel® PRO/Wireless 3945ABG Network Connection	
Chipset	Intel® 945GM Express Chipset	
Operating System	Microsoft® Windows® XP Professional with Service Pack 2 (English version) Multilanguage User Interface (pre-installed Traditional Chinese)	
Processor System Bus	667MHz	
Memory Bus	533MHz	
Cache Memory	L1 Cache: 64KB L2 Cache: 2MB (on CPU)	
Main Memory	512MB DDR2 SDRAM* <sup>2</sup> (upgradeable up to 2GB) * <sup>3</sup> (partially shared with video memory)* <sup>4</sup> 2 SO-DIMM slots (The pre-installed memory module uses one)	1 GB DDR2 SDRAM (Dual Channel Mode)* <sup>2</sup> (upgradeable up to 2GB) * <sup>3</sup> (partially shared with video memory)* <sup>4</sup> 2 SO-DIMM slots (The pre-installed memory module uses two)
Hard Disk	80GB (C: 30GB, D: 44GB, HDD recovery storage: 6GB* <sup>5</sup> ) Serial ATA, 5400rpm	100GB (C: 30GB, D: 64GB, HDD recovery storage: 6GB* <sup>5</sup> ) Serial ATA, 5400rpm
Optical Drive	DVD±RW Drive (supporting DVD±R DL)* <sup>6</sup> Maximum reading speed: DVD-ROM, DVD+R, DVD-R: 8x DVD+RW, DVD-RW, DVD+R DL, DVD-R DL: 4x CD-RW, CD-R, CD-ROM: 24x Maximum writing speed: DVD+R, DVD-R: 8x DVD+RW, DVD-RW: 4x DVD+R DL: 2.4x DVD-R DL: 2x CD-R: 24x CD-RW: 16x	DVD±RW Drive (supporting DVD+R DL)* <sup>6</sup> Maximum reading speed: DVD-ROM: 8x DVD+R, DVD-R, DVD+RW, DVD-RW, DVD+R DL: 4x CD-RW: 12x CD-R, CD-ROM: 24x Maximum writing speed: DVD+R, DVD-R: 4x DVD+RW, DVD+R DL: 2.4x DVD-RW: 2x CD-R: 24x CD-RW: 10x
Graphics Accelerator	Dual display compatible • 3D graphics acceleration compatible • NVIDIA® GeForce® Go 7400 with NVIDIA® TurboCache™* <sup>4</sup> (PCI Express x16 connection)	
Video Memory	128MB* <sup>4</sup>	

Display	13.3" Wide (WXGA: 1280 x 800) TFT colour display (Clear Bright LCD: Single Lamp, Wide View)	13.3" Wide (WXGA: 1280 x 800) TFT colour display (Clear Bright LCD: White LED, Wide View)
Interfaces	USB 2.0 x 2*7 • i.LINK (IEEE 1394) S400 (4pin) • ExpressCard™/34 slot • Network (RJ-45) connector (100BASE-TX/10BASE-T) • Headphone jack (stereo mini) • Microphone jack (stereo mini) • Monitor connector (VGA, D-SUB 15 pin) • Modular (RJ-11) connector • Docking Station connector • Memory Stick Duo Slot*8 (MagicGate compatible, Memory Stick PRO Duo compatible, High-speed data transfer compatible)	
Wireless LAN	Integrated Wireless LAN IEEE 802.11a/802.11b/802.11g*9 • Intel® PRO/Wireless 3945ABG Network Connection • Data rate: maximum 11Mbps (802.11b)/54Mbps (802.11a/g)*10 • Frequency: 5GHz (802.11a), 2.4GHz (802.11b/g)	
Security Chip	-	TCG Ver1.2 compliant Trusted Platform Module (TPM)
Fingerprint Sensor	-	Built-in Fingerprint Sensor
Bluetooth®	Bluetooth® standard version 2.0+EDR*10 • Output: maximum +6dBm • Frequency: 2.4GHz	
Modem	V.92 and V.90 Compliant	
PC Card (PCMCIA) Slot	Type I/II x 1, CardBus Support	
Camera	310,000 pixels effective Image Device: 1/8", VGA CMOS Lens: 2 elements in 2 groups, F4 (Fixed) Focus distance: f=1.74 mm * Built-in monaural microphone aside	
Audio	DSD compatible high quality sound chip: "Sound Reality" (Intel® High Definition Audio compatible) • 3D audio (Direct Sound 3D support) • Built-in stereo speakers	
Keyboard/Input Device	ca 19mm Key pitch / 3mm Key stroke • 86 Keys • Intelligent Touchpad	
Battery	VGP-BPS2C*11 Lithium-ion battery: up to 6 hours of use (at STAMINA MODE)*12	VGP-BPS2C*11 Lithium-ion battery: up to 7 hours of use (at STAMINA MODE)*12
Dimensions (W x H x D)	315 × 24.7 – 36.0 × 234.3mm	315 × 21.8 – 32.6 × 234.3mm
Weight	1.85kg (including the supplied battery)	1.69kg (including the supplied battery)

Included Software	Adobe Reader 7 • Adobe Photoshop Elements 4.0 (Installer) • Adobe Premiere Elements 2.0 • Click to DVD 2.5 • DSD Direct 1.0 • DVgate Plus 2.2 • Image Converter 2 Plus • Norton Internet Security 2006 • Roxio DigitalMedia SE 7 • PictureGear Studio 2.0 • SonicStage 3.4 • SonicStage Mastering Studio 2.2 • SonicStage Mastering Studio Audio Filter 2.0 • VAIO Camera Utility 1.0 • VAIO CameraVJ Screen Saver • VAIO Control Center 1.1 • VAIO Edit Components 6.0 • VAIO HDD Protection 1.0 • VAIO Media 5.0 • VAIO Original Screen Saver • VAIO Recovery Utility 2.6 • VAIO Update 2.1 • VAIO Zone 1.4 • WinDVD 5 for VAIO	Adobe Reader 7 • Adobe Photoshop Elements 4.0 (Installer) • Adobe Premiere Elements 2.0 • Click to DVD 2.5 • DSD Direct 1.0 • DVgate Plus 2.2 • Image Converter 2 Plus • Infineon TPM Professional Package 2.5 (Installer) • Norton Internet Security 2006 • Roxio DigitalMedia SE 7 • PictureGear Studio 2.0 • Protector Suite QL 5.3 SonicStage 3.4 • SonicStage Mastering Studio 2.2 • SonicStage Mastering Studio Audio Filter 2.0 VAIO Camera Utility 1.0 VAIO CameraVJ Screen Saver • VAIO Control Center 1.1 • VAIO Edit Components 6.0 • VAIO HDD Protection 1.0 • VAIO Media 5.0 • VAIO Original Screen Saver • VAIO Recovery Utility 2.6 • VAIO Update 2.1 • VAIO Zone 1.4 • WinDVD 5 for VAIO
Supplied Accessories	AC adapter (VGP-AC19V12) • Lithium-ion battery (VGP-BPS2C) • Memory Card Adapter (VGP-MCA20)*8*13	
Local Warranty	One year	

Features and specifications are subject to change without notice.

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

\*2 If memory modules of the same capacity are installed to both of the two memory module slots, this computer will run in dual channel mode and provide better performance.

\*3 By removing the pre-installed 512MB memory module and adding two 1GB memory modules.

\*4 NVIDIA® TurboCache™ technology combines the size and bandwidth of video memory and dynamically available system memory for optimal system performance.

\*5 Necessary data for recovery (setting back to initial shipment settings) in the hard disk drive consuming approximately 6GB in size is available separately.

\*6 This product is designed to playback discs that conform to the Compact Disc Digital Audio standard specifications (CD Standard). A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. Please be aware that the audio side (non-DVD side) of a DualDisc may not play on this product because it does not conform to the CD Standard.

\*7 High-speed/Full-speed/Low speed compatible.

\*8 Compatibility confirmed with Sony branded “Memory Stick” media only.

\*9 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.

\*10 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.

\*11 This product may only function with a genuine Sony battery designed for this model.

\*12 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-BPS2C and approximately 2 hours shorter for VGP-BPL2C. The optional battery VGP-BPL2C offers up to 9 hours of use for VGN-SZ23GP/B and up to 10.5 hours of use for VGN-SZ28GP/C.

\*13 The copyright protection and high-speed data transfer features of the SD memory card are not supported. As for the Memory Stick PRO media, only Sony branded media is recommended to use with the adapter.

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Actual models may differ slightly in appearance to illustrations provided.