VGN-TT190NJB VAIO® TT Series Notebook

A new grade in mobility

MOBILE PC PERFORMANCE

Enjoy the performance of an Intel® Core™ 2 Duo SU9300 processor (1.20GHz¹) with Intel® Centrino® 2 technology and 3GB of pre-installed system memory.

The VAIO® TT series notebook comes pre-installed with Genuine Microsoft® Windows Vista® Business 32-bit with XP Pro downgrade media.

ENDLESS FEATURES

Enjoy an 11.1^{™8} LED backlit, widescreen display with XBRITE-DuraView[™] LCD technology for a brighter, crisper, tougher display that resist scratches.

A built-in microphone and MOTION EYE® camera with face-tracking technology allows for easy communication with friends and family.²⁰ .

A built-in biometric fingerprint scanner makes authentication and secure access quick and easy – you only need your fingerprint.

WIRELESS FREEDOM

Offering a massive boost in wireless connection speed and range, work and play quicker virtually anywhere within your office or café hotspot using next-generation 802.11n integrated wireless LAN technology⁴.

Integrated Stereo A2DP Bluetooth® technology allows you to wirelessly connect to useful peripherals and stream CD-quality audio to compatible devices¹⁷.

Fashion and function merge gracefully in the VAIO® TT notebook. Luxuriously sleek at 11.1″⁵, this ultraportable establishes a new grade in mobility with its thin-and-light design. What's more, the TT notebook offers industry-leading mobile performance, balancing the power of Intel® Centrino® 2 processor technology with a host of energy-conserving features that deliver maximum battery life. And with a XBRITE-DuraView™ widescreen LCD with 100% color saturation, the TT is definitive proof that you can have it all—high mobility, strong mobile performance and great entertainment—all in an 11.1″⁵ ultraportable PC.





VGN-TT190NJB VAIO® TT Series Notebook

Specifications

Dimensions

Weight: 2.87 lbs.9

Measurements: 10.99"(W) x 0.93"(H) x 7.87"(D)9,10

General

Computer Type: Notebook Type of Use: Ultra Portable

Action Buttons: Mute, Volume - / +, S1, Eject,

WLAN / Bluetooth® on / off

Pointing Device: Electro-static touch pad Security: Biometric Fingerprint Sensor

Trusted Platform Module (TPM) TCG Ver.1.2 compliant

Hardware

Keyboard: QWERTY, 19.05 mm pitch, 2.7 mm

stroke

Camera: Built-in MOTION EYE® camera and microphone with face-tracking technology

Processor

Type: Intel® Core™ 2 Duo Processor SU9300

Speed: 1.20 GHz1

Front Side Bus Speed: 800MHz

L2 Cache: 3MB

Technology: Intel® Centrino® 2 processor

technology

Memory

Type: DDR3

Installed: 3GB PC3-6400 (2GBx1 + 1GBx1)

Maximum: 4GB Speed: 800MHz

Display

Screen or Display Technology: WXGA

Screen Size: 11.1"8
Resolution: 1366 x 768

XBRITE-DuraView[™] Technology: Yes

Back Light Technology: LED

Optical Drive #1

DVD+R DL Write: 4x max.
DVD+R Write: 8x max.
DVD+RW Write: 4x max.
DVD-R Write: 8x max.
DVD-RW Write: 4x max.
CD-R Write: 16x max.
CD-RW Write: 10x max.

DVD±RW: Yes (DVD±RW/±R DL/RAM Drive)

CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 4x max.
DVD-RAM Read: 5x max.

Expansion Slots

PRO™ (Standard/Duo) media slot with MagicGate® functionality One ExpressCard® /34 slot One Secure Digital (SD™ memory card) media slot

Multimedia Card Reader: One Memory Stick

Audio

Sound System: Intel® High Definition Audio

Graphics

Processor: Mobile Intel® Graphics Media Accelerator 4500MHD with Intel® Clear Video Technology Total Available Graphics Memory: 1300MB

(max.)¹²

Chipset: Mobile Intel® GS45 Express Chipset Interface: VGA out with Smart Display Sensor

Inputs and Outputs

Modem Jack: 1 Microphone Input: 1

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Port Replicator Connector(s): 1 (Bottom)

USB Port(s): 2 (2.0 compliant)

VGA Output(s): 1

DC-In: 1

i.LINK® Connection: 1 (4pin) i.LINK® connector

(IEEE 1394)¹¹

Headphone Output(s): 1 Ethernet Connection (s): 1

Networking/Modem

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T (Gigabit)

" (Gigabit)

Ethernet Speed: Fast Ethernet (RJ-45)

Modem Type: Integrated V.92/V.90 Modem (RJ-11)

Wireless LAN: Intel® WiFi Link 5100AGN (802.11a/b/g/n)⁴

Bluetooth® Technology: Integrated Stereo A2DP Bluetooth® Technology (2.1 + EDR)¹⁷

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS14/B)

Power Requirements: 68W + 10% Input Voltage: 100-240V

Software

Operating System: Genuine Microsoft® Windows Vista® Business 32-bit with XP Pro downgrade media

Internet Services: AOL® 90-Day Risk Free Trial - For new users only

Anti-Virus and Recovery Software: Microsoft® Windows Live™ OneCare™ Trial Version¹6

Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Small Business 2007¹⁵

The VAIO® Software Experience: VAIO® Startup Assistant

Click to Disc Editor - Import, Edit, Burn VAIO® Movie Story - Simple Movie Creation

VAIO® MusicBox - Music by Mood

VAIO® Media plus - Multimedia Streaming Software

*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7¹⁴.

Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO

Environmental Information

RoHS®: Compliant For more information: www.sony.com/vaioeco

Supplied Accessories

Power Cord

AC Adapter (VGP-AC16V13)

Standard Capacity Lithium-ion Battery (VGP-BPS14/B)

Optional Accessories

Large Capacity Battery (VGP-BPL14/B)

Stick AC Adapter (VGP-AC16V10)

Port Replicator (VGP-PRTT1)
Carrying Case (VGP-CKTT1)

Carrying Pouch (VGP-CP11)
Bluetooth® Laser Mouse¹⁷ (VGP-BMS33/B)

Bluetooth® Presentation Controller¹⁷ (VGP-

USB Portable Speaker (VGP-USP1)

100GB⁹ Portable Hard Drive with Wireless Keys (VGP-UHDM10/B)

Privacy Filter (VGP-FL13)

Other

Color: Black

UPC Code: 27242757400

Footnotes

- GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
- 2. GB means one billion bytes when referring to hard drive capacity. TB means one trillion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
- 4. Requires 802.11n compatible access point. Some functionality may require Internet services.
- Certain circumstances may limit/prevent Blu-ray Disc™ media playback. For optimal performance, download all updates from http://esupport.sony.com/EN/DRIVERS.
- 6. Video recording to Blu-ray Disc™ media is done in MPEG2 and AVC formats only.
- 7. Compatibility and performance in a 64 bit environment may vary. Check with the manufacturer of your software or accessory to ensure you have the latest updates.
- 8. Viewable area measured diagonally.
- 9. Non-metric weights and measures are approximate and may vary.
- 10. Measured at the narrowest point
- 11. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
- 12. 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. Shared System Memory varies depending on the operating condition, driver software version and system memory size.
- 13. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.esupport.sony.com, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
- 14. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
- 15. 60-Day Trial Version of Microsoft® Office 2007 This trial software will work only for 60 days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
- 16. Microsoft® Windows Live™ OneCare™ Trial Version This trial software will work for ninety (90) days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 90-day trial period, you must buy a subscription. You can subscribe online by following the conversion instructions presented during setup and paying the required fees.
- 17. Interoperability and compatibility among Bluetooth® devices varies.
- 18. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
- 19. Free Month Offer: Limited time offer. Subject to change. You will be charged a regular monthly fee for your selected connection card plan. A one month service credit will be applied to your account within 1-3 bill cycles. Service credit will be for the amount of the monthly rate charge only. See www.sony.com/sprint for complete offer details, price plans, service terms and conditions, and coverage map. Click the Sprint icon on your VAIO notebook's desktop for service activation. Coverage not available everywhere see coverage map for details. Credit approval and \$200 early termination fee applies if not cancelled within the first 30 days. Service defaults to Nationwide Sprint PCS Network, where available, if Sprint Mobile Broadband Network is unavailable. Not available while roaming. Terms & Conditions and additional restrictions apply. May not be combined with other offers.
- 20. Broadband Internet service required along with third party services which may require a subscription or other service fee.

Computer Interface: For this product there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.

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