

**Ultimate Mobile Companion**

**DESIGNED FOR THE AGILITY AND FUNCTIONALITY A MOBILE PROFESSIONAL REQUIRES.**

The sleek VAIO® TX Notebook is ultra-lightweight, ultra-portable, and impressively equipped. At 2.76 lbs with standard battery, less than 1" with a razor-thin LCD panel and durable, cutting-edge carbon-fiber casing, the VAIO TX Notebook is incredibly convenient for life on-the-road. And with 4 to 7.5 hours of standard battery life<sup>8</sup>, it has the stamina to power you through your most demanding applications.

**TRUE MOBILITY IS ABOUT BROAD ACCESS.**

The VAIO® TX Notebook is taking that access farther than ever before. With integrated wireless Wide Area Network (WAN)<sup>3</sup> technology, you can access the Cingular Wireless national EDGE network to extend your wireless coverage beyond LAN access networks and hotspots. The VAIO TX Notebook gives you the freedom to go farther, do more, and stay connected.

**SMARTWI™ TECHNOLOGY.**

Sony's original SmartWi™ technology seamlessly integrates wireless Wide Area Network (WAN)<sup>3</sup>, 802.11 b/g wireless LAN,<sup>4</sup> and Bluetooth®<sup>5</sup> technologies. Now you can quickly and easily toggle among your wireless connectivity options: wireless LAN for home, office, and hotspots; Bluetooth for peripherals; and wireless WAN for access to the Cingular Wireless national EDGE network when you're traveling outside the reach of LAN access networks and hotspots.

**WELL-SUITED TO MEET YOUR MOBILE MULTIMEDIA ENTERTAINMENT DEMANDS.**

The VAIO® TX Notebook allows you to create dynamic presentations, view movies with stunning clarity, and create and manage your multimedia files with ease. Use the included Click to DVD™ software and DVD+R Double Layer/DVD±RW drive<sup>6</sup> to easily create high-quality, customized DVDs. And managing music files and making your own audio CDs is easier than ever with the SonicStage® Mastering Studio music software. And if that's not enough, Sony's ingenious Instant Mode allows you to go straight to watching a movie, playing music or viewing photos at the touch of a button, without having to boot-up the operating system.

The sleek VAIO® TX Notebook is truly ultra-portable at 2.76 lbs with standard battery and 4 to 7.5 hours of standard battery life,<sup>8</sup> integrated 802.11 b/g wireless LAN<sup>4</sup> and DVD+R Double-Layer/DVD±RW drive<sup>6</sup>. And, with integrated wireless Wide Area Network (WAN)<sup>3</sup> technology, you can access the Cingular Wireless national EDGE network to extend your wireless coverage beyond LAN access networks and hotspots.



# VGN-TX650P/B

## VAIO® TX Series Notebook PC

### Hardware

#### Processor

Intel® Centrino™ Mobile Technology  
Intel® Pentium® M Processor Ultra Low Voltage 753  
(1.20GHz<sup>1</sup>, 2MB L2 Cache)

#### Front Side Bus Speed

400MHz

#### Chipset

Intel® 915GMS

#### Integrated Wireless WAN

Integrated Wireless Wide Area Network (WAN)<sup>3</sup> accessing  
Cingular Wireless National EDGE Network with SmartWi™  
technology  
(Wireless WAN and Wireless LAN radio do not transmit  
simultaneously)

#### Integrated Wireless LAN

Intel® PRO/ Wireless 2200BG Network Connection  
(802.11b/g)<sup>4</sup>

#### Bluetooth®

Integrated Bluetooth® Technology<sup>5</sup>

#### LCD

11.1" WXGA display (1366x768) with XBRITE™  
technology  
Razor-Thin Panel

#### Hard Drive

60GB<sup>2</sup> (4200rpm) Ultra ATA

#### Memory

512MB PC2-3200 400MHz DDR2 (512MB x 1)  
(Expandable to 1.5GB)

#### Graphics

Intel® Graphics Media Accelerator 900  
128MB dynamically allocated shared RAM video memory

#### Graphics Interface

VGA out w/ Smart Display Sensor

#### Optical Drive

DVD+R Double Layer/DVD±RW drive<sup>6</sup>  
DVD+R DL Write (2.4x MAX);  
DVD+R Write (4x MAX); DVD+RW Write (2.4x MAX)  
DVD-R Write (4x MAX); DVD-RW Write (2x MAX)  
CD-R Write (24x MAX); CD-RW Write (10x MAX)  
DVD-ROM Read (8x MAX); CD-ROM Read (24x MAX)

#### Modem

Integrated V.90 modem (RJ-11)

#### Ethernet

10BASE-T/100BASE-TX Ethernet (RJ-45)

#### Audio

Windows® sound system compatible  
Dolby® Headphone & Dolby® Virtual Speaker  
Built-in stereo speakers

#### Audio Interface

Microphone jack, Headphone jack

#### Media Slot

Supports optional Memory Stick®, Memory Stick PRO™  
media with MagicGate™ functionality and Secure Digital  
Media

#### Other Interfaces

1 4pin i.LINK®<sup>7</sup> (IEEE 1394) interface, 2 USB 2.0, port  
replicator connector

#### PC Card Slots

One PCMCIA - Type II/Type I card slot with CardBus  
support

#### Pointing Device

Electro-Static touch pad

#### Keyboard

QWERTY, 82 keys with 1.7mm stroke and 17mm pitch

#### Action Buttons

DVD/CD (Instant On) Play/Pause/Stop, Volume/Mute  
buttons, WLAN/BT on/off, Magnify

#### Optional Port Replicator

3 USB 2.0, RJ-45 Ethernet, VGA output, DC in, parallel port

#### Power Requirements

68W+10%

#### Battery

Lithium-ion standard capacity battery (VGP-BPS5)

#### Estimated Battery Life

4.0-7.5 hours<sup>8</sup>

#### Weight

2.76 lbs. with standard battery

#### Dimensions

10.7"(W) X 0.83"-1.12"(H) X 7.7"(D)

#### Color

Charcoal

#### Supplied Accessories

Cingular SIM Card  
Lithium-ion Battery (VGP-BPS5)  
AC Adapter (VGP-AC16V8)  
Power Cord

#### Optional Accessories

Additional standard battery (VGP-BPS5)  
Large Capacity Battery (VGP-BPL5)  
Additional AC adapter (VGP-AC16V8)  
Port Replicator (VGP-PRTX1)  
Bluetooth® Wireless mouse (VGP-BMS30)  
Privacy Filter (VGP-FL11)  
Leather Protection Case (VGP-CKTX2)

### Software

#### Operating System

Microsoft® Windows® XP Professional with SP2

#### Sony Original Software

SmartWi™ Connection Manager  
Click to DVD™ - DVD Creation  
DVgate Plus™ - Digital Video  
SonicStage® - Digital Music  
SonicStage® Mastering Studio software with MP3 encoder  
VAIO Media™ - Network File Sharing  
Image Converter - PSP Transfer

#### Supplied Software

Adobe® Photoshop® Album Starter Edition  
Intuit® Quicken® 2005 New User Edition  
InterVideo® WinDVD®  
InterVideo® Instant On  
Roxio® DigitalMedia SE  
Microsoft® Works 8.0  
Microsoft® Office® 2003 60-Day Trial<sup>11</sup> Small Business  
Edition

#### Anti-Virus and Recovery Software

Norton Internet Security™ 90-Day Subscription  
Intermute™ SpySubtract™ 30-Day Subscription  
Sony® VAIO® Update/ Recovery Wizard/ Support Central

#### Internet Services

AOL Online™ 180-day Trial - New Users Only

### Service and Warranty

#### Limited Warranty

1 Year Limited Warranty<sup>9</sup>

#### Telephone Support

1 yr. toll-free technical phone assistance, available 24/7.<sup>10</sup>

#### Online and Email Support

Support available from <http://www.esupport.sony.com>

1. 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. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition. 3. Subscription with Cingular Wireless required. See [www.sonystyle.com/cingular](http://www.sonystyle.com/cingular) for complete offer details, price plans, service terms and conditions and coverage map. Call 1-888-739-VAIO (8246) for service activation. 4. Requires 802.11b or 802.11g compatible access point. Some functionality may require internet services which may require a fee. 5. Interoperability among Bluetooth devices varies. 6. DVD Media/Formats are not universally compatible. 7. i.LINK is a trademark of Sony used only to designate products containing an IEEE 1394 connector. All products with i.LINK connector may not communicate with each other.
8. Actual battery life may vary upon usage patterns. Upper battery range tested using device for music playback. Battery life will be shorter when using the Instant mode feature. 9. See actual Limited Warranty for details. For a copy of Sony's warranty, please visit [www.esupport.sony.com](http://www.esupport.sony.com), call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913. 10. 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.
11. The Microsoft Office 2003 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate 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 in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. 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 Notebook Computer are subject to change without notice. Simulated graphic shown on display. Preinstalled software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.

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