



# More than a PC. It's a full-featured notebook.

## VAIO® Professional Series

Think fast. Work smart. VAIO® Professional business notebooks optimize your productivity with a powerful combination of innovative technologies and mobility features that keep you connected and help you react as quickly as you think.

## Portable Multimedia Center

Powerful AV features for a wide range of business applications such as archiving video, or viewing financial reports or DVDs<sup>1</sup>. With integrated DVD-ROM/CD-RW drive, create, edit and burn business presentations for playback on your notebook.

## Superior LCD Technology

Exclusive Sony LCD technologies are optimized for high-impact multimedia presentations or viewing multiple documents. XBRITE™ LCD Technology delivers ultra crisp graphics. ErgoBright™ automatically adjusts resolution to any lighting environment. Smart Display Sensor automatically adjusts to any projector or display resolution.

## Intel® Centrino™ Mobile Technology

Intel® Centrino™ Mobile Technology runs cool and quiet, while keeping the profile slim and light, with enhanced performance and battery life<sup>2</sup>. A remarkable blend of full-size power and portability. Wireless capabilities let you connect wire free around your home or on the road<sup>3</sup>.

## VGN-A230B CTO

Sony® VAIO® Digital Studio™ PC

The Sony® VAIO® A Series Professional Notebook seamlessly unites desktop PC power and functionality with a fully loaded multimedia center, and performance that will rival any notebook computer.

**Model**  
VGN-A230B CTO

### HARDWARE

#### Processor (Configurable)<sup>1</sup>

Intel® Pentium® M Processor 755 (2GHz, 2MB L2 Cache)  
Intel® Pentium® M Processor 745 (1.80GHz, 2MB L2 Cache)  
Intel® Pentium® M Processor 725 (1.60GHz, 2MB L2 Cache)  
Intel® Pentium® M Processor 715 (1.50GHz, 2MB L2 Cache)

#### Front Side Bus Speed

400MHz

#### Chipset

Intel® 855PM

#### Integrated Wireless LAN

Intel® PRO/Wireless 2200BG Network Connection (802.11b/g)<sup>3</sup>

#### LCD

15" XGA (1024x768) with XBRITE™ Technology and ErgoBright™ Technology

#### Hard Drive (Configurable)<sup>2</sup>

40GB (4200rpm), 60GB (4200rpm), 80GB (4200rpm)

#### Memory (Configurable)

256MB PC-2700 333MHz DDR (256MB x 1)  
512MB PC-2700 333MHz DDR (512MB x 1)  
(Expandable to 2GB Maximum)

#### Graphics

ATI Mobility™ Radeon™ 9200  
64MB Video RAM

#### Graphics Interface

VGA out w/ Smart Display Sensor

#### Video Interface

A/V mini jack (Composite out/ Line out)

#### DVD-ROM/CD-RW Drive<sup>4</sup>

DVD-ROM  
DVD Read (8x MAX)  
CD-RW  
CD-R Write (24x MAX), CD-RW Write (24x MAX)

#### Modem

Integrated V.90 Modem with RJ-11 interface

#### Ethernet

10BASE-T/100BASE-TX  
Ethernet with RJ-45 interface

#### Audio

Windows® sound system compatible,  
Built-in stereo speakers

#### Audio Interface

Monaural mini microphone jack,

Headphone jack

#### Memory Stick® Media Slot

Supports optional Memory Stick, Memory Stick PRO™ and Memory Stick DUO™ media<sup>5</sup>

#### PC Card Slots

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

#### Other Interfaces

i.LINK® connector (IEEE 1394)<sup>6</sup>, 3 USB 2.0 ports, port replicator connector

#### Pointing Device

Electro-Static touch pad

#### Keyboard

QWERTY, 86 keys with 3mm stroke and 19.05mm pitch

#### Action Buttons

Power On, S1 (programmable), Magnify Screen, Brightness, Volume(+), Volume(-), Mute, Wireless LAN on/off

#### Power Requirements

90W+10%

#### Battery

Lithium-ion Battery (PCGA-BP2EA)

#### Estimated Battery Life

Standard Battery: 2.0-4.5 hours<sup>7</sup>

#### Weight

7.1 lbs. with standard battery (weight is approximate and may vary by components)

#### Size (W x H x D)

13.5" x 1.5"-1.7" x 10.9"

#### Supplied Accessories

Standard Lithium-ion battery (PCGA-BP2EA), Power cord & AC adapter (PCGA-AC19V3)

#### Optional Accessories

Additional Battery (PCGA-BP2EA)  
Port Replicator (VGP-PRA1)  
AC Adapter (PCGA-AC19V3)  
802.11 a/b/g Wireless LAN Router Access Point (PCWA-AR800)  
802.11 a/b/g Wireless LAN Ethernet Converter (PCWA-DE80)<sup>8</sup>

Visual Communication Camera (PCGA-UVC11A)

Wireless optical mouse (PCGA-WMS5/S)

USB Mobile Mouse- Black (PCGA-UMS3/B)

USB Mobile Mouse- Silver (PCGA-UMS3/S)

USB Optical VAIO Mouse (PCGA-UMS5)

Memory Card Adapter (VGP-MCA10)  
512MB memory expansion (VGP-MM512G)  
60GB External Hard Drive (PCGA-HDM06)<sup>2</sup>  
External Floppy Disk Drive (PCGA-UFD5)

### SOFTWARE

#### Operating System

Microsoft® Windows® XP Professional

#### Standard Additional Software

InterVideo® WinDVD®  
Microsoft® Works 8.0 - Word processing, Spreadsheet, Calendar, Scheduling, Contact Management and Database

#### Anti-Virus Software

Norton Internet Security™ 90-Day Subscription - Norton AntiVirus®, Norton Personal Firewall, Norton Privacy Control, Norton AntiSpam®, Norton Parental Control

Sony VAIO Recovery Wizard software  
Sony VAIO Help and Support software  
Sony VAIO Update software

#### Internet Services (Optional)

AOL Online™ 90-day Trial

#### Optional Software

Microsoft® Office 2003 60-Day Trial (Student/Teacher or Small Business Edition depending on OS)  
Microsoft® Office 2003 (Basic, Small Business, or Professional Edition)  
Adobe® Photoshop® Elements  
Adobe® Photoshop® Album Starter Edition

Adobe® Premiere® (Standard or Professional Edition)<sup>9</sup>  
Sony DVGate™ Plus - Digital Video Sony SonicStage™ 2.1 - Digital Music Sony SonicStage® Mastering Studio software with MP3 encoder  
Sony VAIO Media™ - Network File Sharing

### SERVICE AND WARRANTY INFORMATION

#### Limited Warranty

1 Year Limited Warranty<sup>8</sup>

#### Telephone Support

1 year toll-free technical telephone assistance, available 24-hours,

7-days-a-week.<sup>10</sup>

#### On-line and Email Support

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

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. Requires compatible wireless LAN access point, sold separately. Internet connection may require fees.
4. DVD Media/Formats are not universally compatible.
5. Supports Memory Stick PRO™ high-capacity media tested up to 1GB. Does not support MagicGate™ functionality.
6. 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.
7. Estimated battery life. Actual battery life may vary on usage and configuration options selected.
8. See actual Limited warranty for details. For a copy of Sony's warranty, please visit [www.sony.com/pcsupport](http://www.sony.com/pcsupport), call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
9. Not all features supported.
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.

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 ver-

sions 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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Sony® recommends  
Microsoft® Windows®  
XP Professional