



Plenty of power. Won't overpower your room.

**Portable Multimedia Entertainment**

Feature-packed desktop replacement that performs more like an entertainment center. Plenty of power that won't overpower your room.

**Integrated DVD=RW/CD-RW Drive**

Burn professional quality DVDs and CDs.<sup>4</sup>

**AV Entertainment Dock**

Plug in and access Sony's most powerful TV tuner available in a notebook, personal video recorder, high-end digital audio amplifier and premium Sony speakers. Enjoy recorded show playback anywhere you take your notebook.

**Superior LCD Technology**

Powerful combination of exclusive Sony technologies combines to give you truly incredible image quality. XBRITE™ LCD Technology delivers ultra crisp and super bright graphics like you've never seen in a notebook. Smart Display Sensor™ automatically adjusts to any projector or display resolution.

**Centrino™ Mobile Technology**

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

**VGN-A190**  
Notebook

The VAIO® A Series Personal Notebook is a desktop replacement computer. Unlike other full-size notebooks, it connects to an AV dock that enables a TV tuner, personal video recorder; S-Master™ digital amplifier and premium speakers.

**Model**  
VGN-A190

**HARDWARE**

**Processor Name**  
Intel® Pentium® M Processor 735

**Processor Speed**  
1.70AGHz<sup>1</sup>

**L2 Cache**  
2MB

**Front Side Bus Speed**  
400MHz

**Chipset**  
Intel® 855PM

**Hard Drive**  
80GB<sup>2</sup>

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

**LCD**  
17" WUXGA with XBRITE™ Technology (1920x1200)

**Graphics**  
ATI Mobility™ Radeon™ 9700

**Memory**  
512MB (256 MB x 2/DDR 333)

**Memory Max**  
2GB

**Video RAM**  
64MB

**Optical Drive**  
DVD±RW/CD-RW<sup>4</sup>  
Maximum Speeds: CD Read (24x MAX); CD-R Write (16x MAX); CD-RW Write (8x MAX); DVD Read (8x MAX); DVD-R Read (4x MAX)/Write (4x MAX); DVD-RW Read (2xMAX)/Write (2x MAX); DVD+R Read (4x MAX)/Write (2.4x MAX); DVD+RW Read (2x MAX)/Write (2x MAX)

**Modem**  
Integrated V.90 Modem with RJ-11 interface

**Ethernet**  
10BASE-T/100BASE-TX/1000BASE-TX Ethernet with RJ-45 interface

**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

**Audio**  
Windows® sound system compatible, Built-in stereo speakers

**Audio Interface**  
Monaural mini microphone jack, Headphone jack

**Graphics Interface**  
VGA out w/ Smart Display Sensor™

**Video Interface**  
A/V mini jack, Giga Pocket™ Engine MPEG2 Realtime Encoder/Decoder board with TV Tuner (w/ AV Entertainment Dock option)

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

**Docking Station**  
AV Entertainment Dock with S-Master™ Digital Amplifier and Premium Speakers including: DC in, Four USB 2.0 ports, Monitor (VGA) port, VHF/UHF TV port, S-Video in/out, DVI-D, RJ-45 Ethernet, Printer port, Optical out, Line in (RCA Pin), Line out (RCA Pin), Dock 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

**Power Requirements**  
168W±10%

**Battery**  
Lithium-ion Battery (PCGA-BP2EA)

**Estimated Battery Life**  
Standard Battery: 1.5-5.0 hours<sup>7</sup>

**Optional Floppy Drive**  
External 1.44 MB, 3.5" USB floppy drive (PCGA-UFD5)

**Weight**  
8.6 lbs. with standard battery (weight is approximate and may vary by components)

**Size (W x H x D)**  
16" x 1.7"-1.8" x 11"

**Supplied Accessories**  
Standard Lithium-ion battery (PCGA-BP2EA), Power cord & AC adapter (PCGA-AC19V7), AV Entertainment Dock w/Speakers(2) & Remote Control

**Optional Accessories**  
Rechargeable Battery Pack (PCGA-BP2EA)

Port Replicator (VGP-PRA1)  
AC Adapter (PCGA-AC19V3)  
AC Adapter (PCGA-AC19V7)  
802.11 a/b/g Wireless LAN Router Access Point (PCWA-AR800)  
802.11 a/b/g Wireless LAN Ethernet Converter (PCWA-DE80)<sup>3</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-HMS5)  
Memory Card Adapter (VGP-MCA10)  
512MB memory expansion module (VPG-MM512G)  
60GB External Hard Drive (PCGA-HDM06)<sup>2</sup>  
External Floppy Disk Drive (PCGA-UFD)

**SOFTWARE**

**Operating System**  
Microsoft® Windows® XP Home Edition

**VAIO® Creation Suite Software**  
Sony Click to DVD™ software  
Sony DVGate Plus™ software  
Sony SonicStage® software  
Sony SonicStage® Mastering Studio software with MP3 encoder  
Sony Picture Gear™ Studio software  
Sony VAIO Help and Support software  
Sony VAIO Media™ software

**VAIO® A Series Software Bundle**  
Sony® Giga Pocket® Personal Video Recorder  
Network Smart Capture  
Sony VAIO Update software  
Sony VAIO Recovery Wizard software  
Sony VAIO Help and Support software  
Adobe® Acrobat® Reader  
Adobe® Photoshop® Elements  
Adobe Photoshop Album Starter Edition  
Intuit Quicken® 2004 New User Edition (previous Quicken users may require additional upgrade)  
InterVideo® WinDVD®  
EasySystems Dragn' Drop CD+DVD  
Microsoft® Works 7.0

Microsoft Office® 2003 60-Day Trial (Student/Teacher Edition)<sup>8</sup>

**Anti-Virus Software**  
Norton® Internet Security™ 90-Day Subscription  
**Internet Services**  
AOL Online™ 90-day Trial<sup>8</sup>

**SERVICE AND WARRANTY INFORMATION**

**Limited Warranty**  
1 Year Battery  
1 Year Hardware Parts and Labor<sup>9</sup>

**Repair Service**  
Includes customer-replaceable part service and mail-in Sony depot service options<sup>10</sup>

**Telephone Support**  
One year of 24-hour, 7-day-a-week, free support for hardware issues. Ninety days of free support for software and operating system issues

**On-line and Email Support**  
Free support available from <http://www.sony.com/pcsupport>

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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

centrino MOBILE TECHNOLOGY  
energy  
eco info

**Sony recommends**  
**Microsoft® Windows® XP Professional**