

# SONY

# PCG-Z1RA

# VAIO

## Sony VAIO® Z1-Series Notebook

### Elegance meets mobility.



#### STYLE AND MOBILITY

Ultimate style in a light and thin body. Who says you can't have it all?



#### GOT WIRELESS?\*

Integrated 802.11b wireless for truly mobile network connection.



#### ENJOY MOVIES<sup>10</sup>

Watch DVD movies anywhere with integrated CD-RW/DVD combo drive, amazing long life<sup>4</sup> battery and large screen.

## FEATURES

- Intel® Centrino™ mobile technology - designed specifically for mobility
- Stylish and sophisticated design in a 4.7 lbs. light and 0.9-1.5" thin body
- CD-RW/DVD-ROM combo drive integrated
- Integrated wireless LAN<sup>6</sup> - connect to the network anywhere, anytime
- Beautiful 14.1" SXGA+ screen for work and play
- Amazing battery life up to 6.5 hours<sup>4</sup>
- i.LINK® (IEEE 1394) S400 digital interface<sup>3</sup> and Memory Stick® media slot<sup>11</sup>

## SPECIFICATIONS

### Model

PCG-Z1RA

### Processor

Intel® Pentium® M processor 1.50GHz<sup>1</sup>

### Cache Memory

L1: 64KByte Integrated On-Die

L2: 1M Byte Integrated On-Die

### Bus Speed

400 MHz

### LCD

14.1" SXGA+ (1400x1050) TFT display

### Graphics

ATI MOBILITY™ RADEON™ 16 MB video DDR SDRAM

Dual display support

### Memory

512 MB DDR SDRAM (512MB on-board), maximum 1024 MB

### Hard Drive

60 GB<sup>2,11</sup> hard drive

### Optical Drive

Internal CD-RW/DVD-ROM combo drive

(Max speeds: CD-R write 8x, CD-RW write 4x, CD Read 24x, DVD-ROM read 8x)

### Optional Floppy Drive

External 1.44 MB, 3.5" USB floppy drive (PCGA-UFD5)

### Modem

Integrated V.90 modem

### Ethernet

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

### Memory Stick® Media Slot<sup>11</sup>

Supports optional Memory Stick® media

### Pointing Device / Keyboard / Input Device

Electro-Static touch pad

QWERTY, 83 keys with 2mm stroke and 18.5mm pitch

2 programmable buttons (one pre-set as maximum brightness and another as mute)

### Estimated Battery Life<sup>4</sup>

Lithium-ion battery

2.5-6.5 hours with standard battery<sup>4</sup>

5.5-13.0 hours with double capacity battery<sup>4</sup>

### PC Card Slots

1 type I or type II card with CardBus support

### Audio

Windows® sound system compatible

Built-in stereo speakers; monaural mini-jack microphone

Optional external speakers (PCGA-SP1)

### Other Interfaces

RJ-11 modem jack, i.LINK® (IEEE 1394) interface<sup>3</sup>, 2 USB2.0,

RJ-45 Ethernet, VGA output, headphone (stereo), monaural

mini-jack microphone, port replicator connector

### Optional Port Replicator (PCGA-PRZ1)

DC in, 3 USB2.0, VGA output, DVI-D, printer, RJ-45 Ethernet, docking CN

### Integrated Wireless LAN\*

Intel PRO/ Wireless Network Connection 802.11b

Bus/Interface: mini PCI

Radio frequency band: 2.4GHz (ISM band)

### Power Requirements

68 watts maximum + 10% (16V / AC100-240V)

Energy Star® compliant

Advanced power management - APM-ACPI compatible

### Weight

4.7lbs. with a standard battery

### Size (H x W x D)

0.9 - 1.5" X 12.4" X 9.7"

### Supplied Accessories

Lithium-ion battery, power cord, and AC adapter

### Optional Accessories

External USB floppy disk drive (PCGA-UFD5)

Additional standard battery (PCGA-BP2V)

Double-capacity battery (PCGA-BP4V)

USB mouse (PCGA-UMS5)

USB mobile mouse (PCGA-UMS3/V, PCGA-UMS3/S)

Carrying case (PCGA-CCGX)

Additional AC adapter (PCGA-AC16V6)

Port replicator (PCGA-PRZ1)

802.11b Wireless LAN Pro router access point (PCWA-A200)

802.11g Wireless LAN router access point (PCWA-AR300)

802.11g Wireless LAN PC card (PCWA-C300S)

802.11a Wireless LAN router access point (PCWA-A500)

802.11a Wireless LAN PC card (PCWA-C500)

Visual communication camera (PCGA-UVC10)

Notebook sport backpack (PCGA-CCP2)

Notebook backpack (PCGA-CCP1)

External speakers (PCGA-SP1)

External DVD±RW (PCGA-DDRW1)

Bluetooth adapter (PCGA-BA1/A)

### Service and Warranty Information

One year limited Express Service<sup>5</sup> (Certain restrictions apply.)

One year limited parts and labor<sup>6</sup>

Telephone Support<sup>5</sup>: One year hardware and 90 days soft-

ware and operating system from purchase date

### Operating System

Microsoft® Windows® XP Home Edition

### Productivity Software

Microsoft® Money 2003<sup>8</sup>

Microsoft® Works 7.0

Microsoft® Encarta Online<sup>9</sup>

### Video Software

Sony DVgate™ Plus

Adobe® Premiere® LE<sup>7</sup>

InterVideo® WinDVD® 4 for VAIO® PC

### Music Software

Sony Screenblast™ ACID™

Sony SonicStage™ with MP3 encoder

Sony SonicStage™ Mastering Studio



Sony Exclusive  
MULTIMEDIA  
DIGITAL EDITING  
software package!

RealNetworks® Real One Player

### Photo Software

Adobe® Photoshop® Elements

Sony Network Smart Capture

Sony PictureGear Studio™

### Communication

Sony VAIO Media™ Software

Microsoft® MSN 8.0<sup>8</sup> and America Online<sup>8</sup>

### Gaming

Microsoft® Age of Empires

### Virus, Tools, and Support Software

McAfee® Internet Security Center<sup>7</sup>

VAIO Support Agent

- 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.
- 3 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.
- 4 Estimated battery life. Actual battery life may vary on usage.
- 5 From date of purchase.
- 6 Wireless LAN access point sold separately. Sony cannot guarantee the security of wireless communications.
- 7 Requires fees for use.
- 8 Certain features are time limited.
- 9 Limited duration trial subscription to Microsoft's current online version. Internet access required; additional fees (including telephone/long distance charges) may apply also.
- 10 Supports Memory Stick Pro™ high-capacity media, but does not support high-speed media capability.
- 11 5GB of hard disk space is reserved as a recovery partition.

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 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 option 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.

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Sony recommends Microsoft® Windows® XP.