



FEATURES

- Mobile Intel® Pentium® III processor 700 MHz¹ featuring Intel® SpeedStep™ technology²
- 64 MB SDRAM (expandable to 256 MB max.)
- 20.0 GB³ hard drive
- 15.0" XGA (1024 x 768) TFT screen
- High-capacity Lithium-Ion battery, dual battery capability
- 7.1 lbs.** light, 2.1" thin
- All-in-one design with floppy drive, hard drive and DVD-ROM drive
- i.LINK® (IEEE 1394) S400 interface — supports high-speed digital video, audio and data transfer capabilities among equipped Sony products⁴
- 8X max. DVD-ROM drive with DVD movie playback capability
- NTSC video out
- Integrated V.90 56K⁵ modem
- Three Programmable Power Keys (PPK) for easy access to key applications such as the Internet and email
- ATI RAGE™ MOBILITY graphics chip with 8.0 MB SDRAM
- Built-in stereo speakers

* using optional second battery in floppy drive bay

** with weight saver in floppy drive bay

¹ MHz denotes microprocessor internal clock speed; other factors may affect application performance.

² The processor may be reduced to a lower operating speed when operating on battery power.

³ GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary.

⁴ 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.

⁵ Due to FCC limitations, speeds of 53kbps are the maximum permissible transmit power levels during download transmissions. Actual data speeds will vary depending on line conditions.

⁶ Estimated battery life. Actual battery life may vary on usage.

⁷ Certain restrictions apply to Express Repair Service.

⁸ From date of purchase upon registration.

⁹ Requires payment of additional fees or subscription for use.

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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 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. Some pre-installed software titles may not include full documentation. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display.

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- MAX** Screen: 15.0" XGA TFT
- MAX** Battery: 2X battery life*
- MAX** Mobility: Approximately 7 lbs.** light; about 2" thin

PLUS:

- All-in-one design
- i.LINK® (IEEE 1394) interface⁴



Sony Digital Handycam® Camcorder sold separately.

SPECIFICATIONS

Model

PCG-F680

Processor

Mobile Intel® Pentium® III processor 700 MHz¹ featuring Intel® SpeedStep™ technology²

Cache Memory

256 KB integrated on-die level 2

Bus Speed

100 MHz

Bus Architecture

PCI/AGP

LCD

15.0" XGA (1024 x 768) TFT

Graphics

ATI RAGE™ MOBILITY graphics chip with 8.0 MB SDRAM with 3D acceleration support

Digital Audio

Hardware MIDI
Windows® sound system compatible

MPEG

MPEG1 and MPEG2 digital video
Supports full screen playback

Standard RAM

128 MB SDRAM, expandable to 256 MB

Hard Drive

20.0 GB³ fixed

DVD-ROM Drive

8X max. fixed DVD-ROM drive with DVD movie playback capability

Floppy Disk Drive

Removable 1.44 MB,
3.5" internal operation
Floppy disk drive bay also supports second Lithium-Ion battery when floppy drive is removed

Modem

Integrated V.90 56K⁵ modem

Keyboard

86 key QWERTY layout
19mm key pitch
3mm stroke

Pointing Device

Electro-Static touch pad

Speaker

Built-in stereo speakers

Battery

Lithium-Ion battery
Supports dual battery operation

Battery Life

2.0-3.0 hours with one battery⁶
4.0-6.0 hours with optional second battery⁶

PC Card Slots

Supports two type II cards or one type III card
CardBus support

Infrared

Supports 4 Mbps, 1.1 Mbps and 115 kbps IrDA standard

Other Interfaces

Serial, parallel printer, VGA monitor, PS/2® keyboard/mouse, NTSC video out, USB(2), RJ-11 phone jack, i.LINK® (IEEE 1394) S400, mic-in, headphone

Power Requirements

49.5 watts maximum (19.5V DC / AC100-240V)

Power Management

Energy Star compliant
Advanced power management - ACPI compatible

Size (H x W x D)

2.1" X 12.8" X 10.3"

Weight

7.1 lbs. (with weight saver in floppy drive bay)
7.5 lbs. (with floppy drive in floppy drive bay)

Supplied Accessories

Lithium-Ion battery, AC adapter, weight saver and video cable

Optional Accessories

External 8X4X24X max. CD-RW drive (PCGA-CDRW52)
Additional battery (PCGA-BP71)
Network port replicator (PCGA-PRF1A)
USB mouse (PCGA-UMS1/A)
Carrying case (PCGA-CCF)
Additional AC adapter (PCGA-AC19V1)

Service

One year limited Express Service⁷

Limited Warranty

One year parts and labor (90 days without registration)⁸

Telephone Support

Hardware: One year⁸
Software and operating system: 90 days⁸

INCLUDED SOFTWARE

Operating System

Microsoft® Windows® Millennium Edition

Software Applications

Adobe Acrobat® Reader
Adobe PhotoDeluxe® Home Edition
Adobe Premiere® LE
ArcSoft® PhotoPrinter™ 2000 Pro
Intuit® Quicken® Basic 2000
McAfee® VirusScan®
Mediamatics DVExpress®
Microsoft® Word 2000
QuickTime™

RealNetworks RealPlayer® 7 Basic

Sonic Foundry Sound Forge® XP

Sony DVgate™

Sony Media Bar™

Sony MovieShaker™

Sony OpenMG™ Jukebox

Sony PictureGear™

Sony Smart Capture

Sony VisualFlow

Online Center

America Online®⁹

AT&T WorldNet®⁹

CompuServe® 2000⁹

EarthLink Network TotalAccess®⁹

Microsoft® Internet Explorer

Netscape Communicator®

Prodigy Internet®⁹

VAIO Support Agent