

Ultimate Performance

POWERFUL PERFORMANCE

Enjoy the powerful performance of an Intel® Core™ i7 - 720QM processor (1.60GHz¹) with Intel® Turbo Boost Technology²¹ up to (2.80GHz¹) and 4GB of pre-installed system memory.

The VAIO® F Series notebook comes pre-installed with Genuine Microsoft® Windows® 7 Home Premium.

A NVIDIA® GeForce® 310M graphics card with 512MB VRAM¹⁰ ensures smooth high definition playback.

Store your favorite multimedia, important documents, and cherished family photos on the roomy 500GB² Serial ATA hard drive.

SMARTER TECHNOLOGY

A built-in Assist button launches VAIO Care™ software, a simple do-it yourself PC maintenance tool for tune-ups, troubleshooting and more.

Enjoying your media has never been more fun with the uniquely smart and easy-to-use Sony® Creativity Suite. Get instantly organized with smart sorting features, create personal masterpieces with easy-to-use creative tools and rediscover forgotten music and memories with breakthrough technology that recommends content based on your unique listening and viewing habits.



Specifications

Dimensions

Weight: 6.9 lbs (with standard capacity battery)
Measurements: 15.3"(W) x 1.22-1.62"(H) x 10.4"(D)

General

Computer Type: Notebook
Action Buttons: S1, VAIO, Assist, Play / Pause / Stop, Wireless on / off, Display off
Pointing Device: Electro-static touchpad (Multi-Finger)

Hardware

Keyboard: QWERTY, 103 keys with 2.0mm stroke and 19.05mm pitch
Camera: Built-in MOTION EYE® camera and microphone with face-tracking technology

Processor

Type: Intel® Core™ i7 - 720QM
Speed: 1.60GHz¹ with Turbo Boost Technology up to 2.80GHz
Technology: Intel® Core™ 2 Quad Processor with Intel® Turbo Boost Technology²¹

Memory

Installed: 4GB (2GBx2)
Maximum: 8GB
Type/Speed: DDR3/1333MHz

Hard Drive

Capacity: 500GB²
Speed: 5400rpm
Type: Serial ATA

Display

Screen Size: 16.4"⁴
Resolution: 1600 x 900

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (STD / Duo) media slot with MagicGate® functionality
One ExpressCard® /34 media slot
One Secure Digital (SD memory card) media slot

Audio

Sound System: Intel® High Definition Audio w/ Dolby® Home Theater® v3

Graphics

Processor: NVIDIA® GeForce® 310M GPU with Total Available Graphics Memory of 2263MB (max.)¹⁰
Video RAM: 512MB of dedicated video RAM
Chipset: Mobile Intel® PM55 Express Chipset
Max. External Resolution via VGA: 2048x1536
Max. External Display Resolution via HDMI™: 1920x1080¹⁷

Inputs and Outputs

Headphone Jack: 1

Microphone Input: 1
USB Port(s): 2 (USB) 2.0, 1 (eSATA)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)⁶
S/PDIF Output(s): 1
Ethernet Connection (s): 1
HDMI™ Output: 1

Power

Battery Type: Standard Capacity Lithium-ion Battery
Estimated Battery Life: Up to 4 hours⁷ Standard Capacity Battery
Up to 6 hours⁷ Large Capacity Battery
Power Requirements: 150W+10%

Software

Operating System: Microsoft® Windows® 7 Home Premium 64-bit¹³
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Home and Student 2007¹²

Service and Warranty Information

Telephone Support: 1 year toll-free technical assistance available 24/7⁹ at 888-476-6972
Online and Email Support: Available at <http://www.esupport.sony.com/EN/VAIO>
Onsite/In-Home Service: 1 year limited warranty with Onsite/In-Home Service¹⁶. See actual warranty for details.
International Service: 1 year international service plan. Registration required. See www.sony.com/IRSP for details.
Limited Warranty Term: 1 year limited warranty⁸. See actual warranty for details.

Environmental Information

EPEAT™: Silver
RoHS®: Compliant
ENERGY STAR®: 5.0

Optical Drive

BD-R DL Read: 4x max
BD-R Read: 4x max
BD-RE DL Read: 4x max
BD-RE Read: 4x max
BD-ROM Read: 4x max
Blu-ray Disc™ Support: Read Only²⁰ (BD-ROM)
CD Support: Read / Write (CD/-R/-RW)
DVD Support: Read / Write (DVD±R/±RW/±R DL/-RAM)

Start-up Times

Average Boot Time: 60 sec¹⁸
Average Resume Time from Suspend: 2 sec¹⁸
First Boot Time: 5 min¹⁹

Wireless/Networking

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T
Ethernet Speed: Fast Ethernet (RJ-45)
Wi-Fi: 802.11 b/g/n³
Bluetooth® Technology: Integrated Stereo A2DP (2.1 + EDR)¹⁵

Software

Anti-Virus Software: Norton Internet Security™ 2010 30-Day Trial Offer¹⁴

Inputs and Outputs

Internal Microphone: 1

Hardware

10-Key Numeric Pad: Yes

Processor

L3 Cache: 6MB

Software

System Maintenance and Support: VAIO Care™ - System diagnostics and maintenance
Sony® Creativity Suite: PMB - VAIO® Edition - Import, organize, edit and publish in one easy-to-use program
VAIO® Media Gallery - Bring forgotten favorites to life
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Hardware

Backlit Keyboard: Yes

Supplied Accessories

Standard Capacity Lithium-ion Battery (5000mAh)
AC Adapter
Power Cord

Optional Accessories

Stick AC Adapter (VGP-AC19V15)
Additional Standard Capacity Battery (VGP-BPS21A/B)
Large Capacity Battery (VGP-BPL21)
Campus Messenger Bag (VGP-AMB14/B)
Bluetooth® Remote Mouse¹⁵ (VGP-BMS80)
Bluetooth® Aluminum Slider Mouse¹⁵ (VGP-BMS10/B)
Bluetooth® Keyboard¹⁵ (VGP-BKB1)

Other

Color: Black
UPC Code: 027242790346

Footnotes

1. GHz denotes microprocessor internal clock speed and may vary.
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 802.11n compatible access point. Some functionality may require Internet services.
4. Viewable area measured diagonally.
5. Measured at the narrowest point
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. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
8. See actual limited warranty for details. For a copy of Sony's warranty, please visit 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. 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.
10. Total Available Graphics Memory refers to the new Windows® 7 classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.
11. Broadband Internet service required along with third party services which may require a subscription or other service fee.
12. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you don't activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
13. Compatibility and performance in a 64-bit environment may vary.
14. Norton Internet Security™ 2010 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. After your 30-days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identify theft.
15. Interoperability and compatibility among Bluetooth® devices vary.
16. When available, Sony will provide Onsite/In-Home Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite/In-Home Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite/In-Home Service may not be available in all locations.
17. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
18. Based on original factory image and will vary with product configuration changes and additional software added to the hard drive.
19. Excluding end user interaction
20. Certain circumstances may limit/prevent Blu-ray Disc™ media playback.
21. Intel Turbo Boost Technology performance varies depending on hardware, software and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel Turbo Boost Technology. For more information, see <http://www.intel.com/technology/turboboost>

Computer Interface: For this product, there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with 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 here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. 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 computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice. Non-metric weights and measures are approximate and may vary.

Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).

©2009 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, VAIO, Memory Stick PRO, MOTION EYE, MagicGate and i.LINK are trademarks of Sony in the U.S. and in other countries. Microsoft and Windows are trademarks of the Microsoft Corporation in the U.S. and in other countries. Intel and Centrino are registered trademarks and Core is a trademark of the Intel Corporation in the U.S. and in other countries. Bluetooth and the Bluetooth logo are registered trademarks of SIG, Inc. Symantec, the Symantec Logo, and Norton Internet Security are trademarks or registered trademarks of Symantec Corporation or its affiliates in the U.S. and other countries. Blu-ray Disc and the Blu-ray Disc logo are trademarks. HDMI is a trademark of HDMI Licensing LLC. All other trademarks are trademarks of their respective owners.

Printed in U.S.A. 12/09.