



Aspire 5942G Specifications (v2-1-1)	
Operating system¹	Genuine Windows 7 [®] Ultimate 64-bit ² Genuine Windows 7 [®] Home Premium 64-bit ²
CPU/chipset¹	<p>Intel[®] Core i7-820QM processor (8 MB L3 cache 1.73 GHz, up to 3.06 GHz, DDR3 1333 MHz, 45 W), i7-720QM processor (6 MB L3 cache 1.60 GHz, up to 2.80 GHz, DDR3 1333 MHz, 45 W), i7-620M processor (4 MB L3 cache, 2.66 GHz, up to 3.33 GHz, DDR3 1066 MHz, 35 W), supporting Intel[®] 64 architecture, Intel[®] Smart Cache, Intel[®] Turbo Boost Technology</p> <p>Intel[®] Core i5-430M/i5-520M/i5-540M processor (3 MB L3 cache, 2.26/2.40/2.53 GHz, up to 2.53/2.93/3.06 GHz, DDR3 1066 MHz, 35 W), supporting Intel[®] 64 architecture, Intel[®] Smart Cache, Intel[®] Turbo Boost Technology</p> <p>Intel[®] Core i3-330M/i3-350M processor (3 MB L3 cache, 2.26 GHz, DDR3 1066 MHz, 35 W), supporting Intel[®] 64 architecture, Intel[®] Smart Cache, Intel[®] Turbo Boost Technology</p> <p>Mobile Intel[®] HM55 Express Chipset</p>
System memory^{1, 3, 4}	<p>Dual-channel DDR3 SDRAM support:</p> <ul style="list-style-type: none"> Up to 4 GB of DDR3 1066 MHz memory, upgradeable to 8 GB using two soDIMM modules (for 64-bit OS)
Display	<p>15.6" HD 1366 x 768 pixel resolution, high-brightness (220-nit) Acer CineCrystal™ LED-backlit TFT LCD, supporting simultaneous multi-window viewing via Acer GridVista™</p> <p>16:9 aspect ratio</p> <p>8 ms high-def response time</p> <p>Acer CineBoost Color Engine</p> <p>Frameless design¹</p>
TV-tuner¹	<p>Digital TV-tuner supporting DVB-T (Digital Video Broadcasting-Terrestrial) standard (6 to 8 MHz)</p> <p>TV-tuner I/O:</p> <ul style="list-style-type: none"> RF-in jack for digital TV antenna cable input <p>TV-tuner cable:</p> <ul style="list-style-type: none"> PAL cable for digital TV input, PAL/SECAM-to-NTSC port converter <p>Acer DVB-T antenna (UHF/VHF reception) supporting Acer SignalUp™ technology</p>
Graphics	ATI Mobility Radeon™ HD 5650 with 1 GB of dedicated

Aspire 5942G Specifications (v2-1-1)	
	<p>DDR3 VRAM, supporting Unified Video Decoder (UVD), OpenEXR High Dynamic-Range (HDR) technology, Shader Model 5.0, Microsoft® DirectX® 11, OpenGL® 3.1, OpenCL™ 1.1</p> <p>ATI Mobility Radeon™ HD 5470 with 512 MB of dedicated DDR3 VRAM, supporting Unified Video Decoder (UVD), OpenEXR High Dynamic-Range (HDR) technology, Shader Model 5.0, Microsoft® DirectX® 11, OpenGL® 3.1, OpenCL™ 1.1</p> <p>ATI Mobility Radeon™ HD 5165 with 1 GB of dedicated DDR3 VRAM, supporting Unified Video Decoder (UVD), OpenEXR High Dynamic-Range (HDR) technology, Shader Model 5.0, Microsoft® DirectX® 11, OpenGL® 3.1, OpenCL™ 1.1</p> <p>Dual independent display support</p> <p>16.7 million colors</p> <p>External resolution/refresh rates⁵:</p> <ul style="list-style-type: none"> • VGA port up to 2048 x 1536: 85 Hz • HDMI™ port up to 1920 x 1200: 60 Hz <p>MPEG-2/DVD decoding</p> <p>VC-1 and H.264 (AVC) decoding</p> <p>Microsoft® DirectX Video Acceleration (DXVA) application interface (API) for Windows® operating systems</p> <p>HDMI™ (High-Definition Multimedia Interface) with HDCP (High-bandwidth Digital Content Protection) support</p>
Audio	<p>Dolby®⁶-optimized surround sound system with two built-in stereo speakers and Acer Tuba CineBass booster supporting low-frequency effects</p> <p>Optimized 3rd Generation Dolby Home Theater®⁶ audio enhancement, featuring Dolby® Digital Live, Dolby® Pro Logic® IIx, Dolby® Headphone, Dolby® Natural Bass, Dolby® Sound Space Expander, Dolby® Audio Optimization, Dolby® High Frequency Enhancer technologies⁷</p> <p>True5.1-channel surround sound output</p> <p>High-definition audio support</p> <p>S/PDIF (Sony/Philips Digital Interface)⁸ support for digital speakers</p> <p>MS-Sound compatible</p> <p>Acer PureZone technology with two built-in stereo microphones, featuring beam forming, echo cancellation, and noise suppression technologies</p>
Storage	160/250/320/500/640 GB or larger hard disk drive ^{1, 9}

Aspire 5942G Specifications (v2-1-1)	
	Multi-in-1 card reader, supporting Secure Digital™ (SD), MultiMediaCard (MMC), MultiMediaCard Plus (MMCplus™), Memory Stick™ (MS), Memory Stick PRO™ (MS PRO), xD-Picture Card™ (xD)
Optical media drive¹	<p>4X Blu-ray Disc™ writer/DVD-Super Multi double-layer drive:</p> <ul style="list-style-type: none"> • Read: 24X CD-ROM, 24X CD-R, 24X CD-RW, 8X DVD-ROM, 8X DVD-R, 8X DVD+R, 8X DVD-ROM DL, 6X DVD-R DL, 6X DVD+R DL, 8X DVD-RW, 8X DVD+RW, 5X DVD-RAM, 4X BD-ROM, 4X BD-R, 2X BD-RE, 4X BD-ROM DL, 4X BD-R DL, 2X BD-RE DL • Write: 24X CD-R, 16X CD-RW, 8X DVD-R, 8X DVD+R, 6X DVD-RW, 6X DVD+RW, 5X DVD-RAM, 4X DVD+R DL, 4X DVD-R DL, 4X BD-R, 2X BD-RE, 4X BD-R DL, 2X BD-RE DL <p>4X Blu-ray Disc™/DVD-SuperMulti double-layer drive:</p> <ul style="list-style-type: none"> • Read: 24X CD-ROM, 24X CD-R, 24X CD-RW, 8X DVD-ROM, 8X DVD-R, 8X DVD+R, 8X DVD-ROM DL, 6X DVD-R DL, 6X DVD+R DL, 8X DVD-RW, 8X DVD+RW, 5X DVD-RAM, 4X BD-ROM, 4X BD-R, 2X BD-RE, 4X BD-ROM DL, 4X BD-R DL, 2X BD-RE DL • Write: 24X CD-R, 16X CD-RW, 8X DVD-R, 8X DVD+R, 6X DVD-RW, 6X DVD+RW, 5X DVD-RAM, 4X DVD+R DL, 4X DVD-R DL <p>8X DVD-Super Multi double-layer drive:</p> <ul style="list-style-type: none"> • Read: 24X CD-ROM, 24X CD-R, 24X CD-RW, 8X DVD-ROM, 8X DVD-R, 8X DVD+R, 6X DVD-ROM DL, 6X DVD-R DL, 6X DVD+R DL, 6X DVD-RW, 6X DVD+RW, 5X DVD-RAM • Write: 24X CD-R, 16X CD-RW, 8X DVD-R, 8X DVD+R, 4X DVD-R DL, 4X DVD+R DL, 6X DVD-RW, 8X DVD+RW, 5X DVD-RAM
Communication	<p>Acer Video Conference¹, featuring:</p> <ul style="list-style-type: none"> • Integrated Acer Crystal Eye high-def webcam, featuring 1280 x 800 resolution, supporting enhanced Acer PrimaLite™ technology • Acer Video Conference Manager software, featuring Video Quality Enhancement (VQE) technology, supporting 640 x 480 resolution online video calls with drag-and-drop Picture-in-Picture (PIP) interactivity¹⁰ • Acer PureZone technology • Optional Acer Xpress VoIP phone <p>WLAN^{1, 11}:</p> <ul style="list-style-type: none"> • Intel® Wireless WiFi Link 5100/5300

Aspire 5942G Specifications (v2-1-1)	
	<p>802.11a/b/g/n Wi-Fi CERTIFIED™ with Nplify™¹¹</p> <ul style="list-style-type: none"> • Supporting Acer SignalUp™ wireless technology • Featuring MIMO technology <p>Wi-Fi®/WiMAX™^{1, 12}:</p> <ul style="list-style-type: none"> • Intel® Wireless WiFi Link 5150/5350 Wi-Fi®/WiMAX™ dual-mode module¹³ with Nplify™ <ul style="list-style-type: none"> o Wi-Fi®: 802.11a/b/g/n Wi-Fi CERTIFIED™ o WiMAX™: 802.16e/2.5G WiMAX Forum Certified™ featuring Mobile WiMAX™ o Supporting Acer SignalUp™ wireless technology o Featuring MIMO technology <p>WPAN¹: Bluetooth® 2.1+EDR (Enhanced Data Rate)</p> <p>LAN: Gigabit Ethernet, Wake-on-LAN ready</p>
Privacy control	<p>Acer Bio-Protection fingerprint solution¹, featuring Windows® logon, computer protection, Acer FingerLaunch, ProfileLaunch, MusicLaunch, Password Bank, MyLaunch, FingerNav</p> <p>BIOS user, supervisor, HDD passwords</p> <p>Kensington lock slot</p>
Dimensions and weight	<p>382 (W) x 274 (D) x 26/39.5.6 (H) mm (15.0 x 10.8 x 1.0/1.6 inches)</p> <p>3 kg (6.6 lbs.) with 6-cell battery¹⁴</p>
Power¹	<p>ACPI 3.0 CPU power management standard: supports Standby and Hibernation power-saving modes</p> <p>48.8 W 4400 mAh 6-cell Li-ion battery pack:</p> <ul style="list-style-type: none"> • 3-hour battery life¹⁵ <p>71 W 4800 mAh 8-cell Li-ion battery pack:</p> <ul style="list-style-type: none"> • 3.5-hour battery life¹⁵ <p>Acer QuicCharge™ technology:</p> <ul style="list-style-type: none"> • 80% charge in one hour • 2-hour rapid charge system-off • 3-hour charge-in-use <p>3-pin 90 W AC adapter</p> <p>ENERGY STAR®</p>
Special keys and controls	<p>LED-Backlit 86-/87-/91-key keyboard¹ with inverted "T" cursor layout</p> <p>Multi-gesture touchpad, supporting two-finger scroll, pinch, rotate, flip</p>

Aspire 5942G Specifications (v2-1-1)	
	<p>Acer Bio-Protection fingerprint reader¹, featuring Acer FingerNav 4-way control function</p> <p>10 function keys, four cursor keys, two Windows® keys, hotkey controls, embedded numeric keypad, international language support</p> <p>Acer PowerSmart key</p> <p>Easy-launch keys: Acer Backup, WLAN, Bluetooth®¹, touchpad lock</p> <p>Acer CineDash 2.0 media console capacitive human interface device, including:</p> <ul style="list-style-type: none"> • Acer Arcade™ • Rotating volume wheel • Media control (play/pause, stop, previous, next, fast forward, rewind) • Mute and hold keys <p>Acer Media Center remote control¹</p>
I/O ports	<p>ExpressCard®/54 slot</p> <p>Multi-in-1 card reader (SD™, MMC, MMCplus™, MS, MS PRO, xD)</p> <p>Three USB 2.0 ports¹⁶</p> <p>1394 port</p> <p>eSATA port</p> <p>HDMI™ port with HDCP support</p> <p>Consumer infrared (CIR) port</p> <p>External display (VGA) port</p> <p>Headphone/speaker/line-out jack with S/PDIF support</p> <p>Microphone-in jack</p> <p>Line-in jack</p> <p>Ethernet (RJ-45) port</p> <p>DC-in jack for AC adapter</p>
Software	<p>Acer Arcade™ Deluxe featuring Acer CinemaVision™ and Acer ClearVision™ technologies</p> <p>Acer Backup Manager</p> <p>Acer Bio-Protection¹</p> <p>Acer Crystal Eye¹</p> <p>Acer GameZone¹</p> <p>Acer GridVista™</p> <p>Acer InstantOn Arcade</p> <p>Acer Launch Manager</p>

Aspire 5942G Specifications (v2-1-1)	
	Acer PowerSmart Manager Acer Recovery Management Acer Video Conference Manager Adobe® Flash® Player Adobe® Reader® eSobi™ Google Desktop™ Google Toolbar™ McAfee® Internet Security Suite 2009 Trial ¹⁷ Microsoft® Works 9.0 with Office Home and Student 2007 SP2 Trial MyWinLocker® Norton™ Online Backup NTI Media Maker™ Oberon GameZone Wild Tangent
Optional items	Acer Xpress VoIP phone and Acer Video Conference Manager pack Acer Media Center remote control 512 MB / 1 GB / 2 GB DDR3 1066 MHz soDIMM module 6-cell Li-ion battery pack 3-pin 90 W AC adapter External USB floppy disk drive External USB modem
Warranty	One-year International Travelers Warranty (ITW)
<p>Windows®. Life without Walls™. Acer recommends Windows 7.</p> <ol style="list-style-type: none"> 1. Specifications vary depending on model. 2. 64-bit software is required to enjoy the advantages of 64-bit processing. 3. Up to 1 GB of available system memory may be allocated for system resource requirements. 4. Shared system memory may be allocated to support integrated graphics, depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by the amount of dedicated and shared system memory utilized by the graphics solution and resources required by the operating environment. 5. Resolution/refresh rates depend on monitor capability and color/depth settings. 	

Aspire 5942G Specifications (v2-1-1)

6. Dolby® is a registered trademark of Dolby® Laboratories. Dolby Home Theater® is a trademark of Dolby® Laboratories.
7. Dolby® Pro Logic® and the double-D symbol are registered trademarks of Dolby® Laboratories.
8. Supports 7.1-channel surround sound and 2-channel stereo output (multiple streaming).
9. 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and the operating environment. Acer eRecovery Management utilizes up to 10 GB of the stated hard disk capacity as dedicated backup space.
10. Two VQE-enabled Acer notebooks with dual-core processors are required to enjoy the exclusive benefits and added performance of VQE.
11. Acer Nplify™, a high-throughput wireless solution, delivers superior performance and reliable connections while enabling emerging voice, video and data applications. Wi-Fi CERTIFIED™, it supports Acer SignalUp™ wireless technology and is compliant with 802.11a/b/g/Draft-N and 802.11b/g standards.
12. Actual throughput may vary depending on network conditions and environmental factors such as network traffic or overhead, building construction and access point settings.
13. Subject to availability.
14. Weight varies depending on product configuration.
15. Your computer's battery life may vary depending on product specifications, computer settings, and applications or features launched. The listed battery life is for individual battery packs tested with MobileMark 2007 in productivity test mode and with wireless connection on. All batteries' maximum capacity will diminish with time and use.
16. While an eSATA device is plugged in, two USB 2.0 ports remain functional.
17. Trial periods vary depending on the geographic region and specifications: 365-day trial for China, Taiwan, Hong Kong and Singapore (Simplified Chinese and Traditional Chinese OS models); 60-day trial for other regions.

In a continuing effort to improve the quality of our products, information in this document is subject to change without notice. Images shown are only representations of some of the configurations available for this model. Availability may vary depending on region.

As a phenomenon known to thin-film transistors (TFTs), liquid crystal displays (LCDs) commonly exhibit a small number of discoloration dots, as so-called "non-conforming pixels." This phenomenon is a limitation of TFT LCD technology, not a product defect, and as such is not covered by Acer's warranty.

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About Acer

Since its founding in 1976, Acer has constantly pursued the goal of breaking the barriers

Aspire 5942G Specifications (v2-1-1)

between people and technology. Focused on marketing its brand-name IT products around the globe, Acer ranks as the world's No. 3 vendor for total PCs and No. 2 for notebooks, with the fastest growth among the top-five players. A profitable and sustainable Channel Business Model is instrumental to Acer's continued growth, while the successful mergers of Gateway and Packard Bell complete the company's global footprint by strengthening its presence in the U.S. and enhancing its strong position in Europe. The Acer Group employs more than 6,000 people worldwide. 2008 revenues reached US\$16.65 billion. See www.acer.com for more information.



