



Aspire 5950G Specifications (v7-2-2)	
Operating system¹	Genuine Windows® 7 Ultimate 64-bit ² Genuine Windows® 7 Home Premium 64-bit ²
CPU and chipset¹	Intel® Core™ i7-2820QM processor (8 MB L3 cache, 2.30 GHz with Turbo Boost up to 3.40 GHz, DDR3 1600 MHz, 45 W), i7-2630QM/i7-2720QM processor (6 MB L3 cache, 2/2.20 GHz with Turbo Boost up to 2.90/3.30 GHz, DDR3 1600 MHz, 45 W), supporting Intel® 64 architecture, Intel® Smart Cache Mobile Intel® HM65 Express Chipset
Memory^{1, 3, 4}	Dual-channel DDR3 SDRAM support: <ul style="list-style-type: none"> Up to 4 GB of DDR3 system memory, upgradable to 16 GB using four soDIMM modules⁵
Display	15.6" HD 1366 x 768 resolution, high-brightness (220-nit) Acer CineCrystal™ LED-backlit TFT LCD Mercury-free, environment-friendly Frameless design ¹ 16:9 aspect ratio
Graphics¹	AMD Radeon™ HD 6850M with 2048 MB of dedicated DDR3 VRAM, supporting Unified Video Decoder 2 (UVD2), OpenEXR High Dynamic-Range (HDR) technology, Shader Model 5.0, Microsoft® DirectX® 11, OpenGL® 3.1, OpenCL™ 1.1 AMD Radeon™ HD 6650M with 1024 MB of dedicated DDR3 VRAM, supporting Unified Video Decoder 3 (UVD 3), OpenEXR High Dynamic-Range (HDR) technology, Shader Model 5.0, Microsoft® DirectX® 11, OpenGL® 3.1, OpenCL™ 1.1 Dual independent display support 16.7 million colors External resolution / refresh rates: ⁶ <ul style="list-style-type: none"> VGA port up to 2048 x 1536: 85 Hz HDMI® port up to 1920 x 1080: 60 Hz MPEG-2/DVD decoding VC-1 and H.264 (AVC) decoding MPEG-4 Part 2 DivX® and Xvid decoding (for AMD Radeon™ HD 6650M only) Microsoft® DirectX® Video Acceleration (DXVA) application interface (API) HDMI® (High-Definition Multimedia Interface) with

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	HDCP (High-bandwidth Digital Content Protection) support
Audio	<p>Optimized Dolby® Home Theater® v4 audio enhancement, featuring Audio Optimizer, Audio Regulator, Volume Leveler, Volume Maximizer, Intelligent EQ, Dialogue Enhancer, Surround Virtualizer for Headphones, Surround Virtualizer for Built-in Speakers, and Dolby® Digital Output technologies⁷</p> <p>Two built-in stereo speakers and the Acer Tuba CineBass booster supporting low-frequency effects</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>Built-in microphone</p>
Storage	<p>Hard disk drive</p> <ul style="list-style-type: none"> 320/500/640/750 GB or larger^{1, 9} <p>Multi-in-1 card reader, supporting:</p> <ul style="list-style-type: none"> 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, 6X 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, 4X BD-RE, 4X BD-ROM DL, 4X BD-R DL Write: 24X CD-R, 10X 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 <p>4X Blu-ray Disc™ / DVD-Super Multi double-layer drive:</p> <ul style="list-style-type: none"> Read: 24X CD-ROM, 24X CD-R, 16X CD-RW, 8X DVD-ROM, 8X DVD-R, 8X DVD+R, 4X DVD-ROM DL, 4X DVD-R DL, 4X DVD+R DL, 4X DVD-RW, 4X DVD+RW, 5X DVD-RAM, 4X BD-ROM, 4X BD-R, 4X BD-RE, 4X BD-ROM DL, 4X BD-R DL, 4X BD-RE DL Write: 16X CD-R, 10X CD-RW, 8X DVD-R, 8X DVD+R, 4X DVD-RW, 4X 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

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	<p>DVD-ROM, 8X DVD-R, 8X DVD+R, 6X DVD-ROM DL, 4X DVD-R DL, 4X DVD+R DL, 6X DVD-RW, 6X DVD+RW, 5X DVD-RAM</p> <ul style="list-style-type: none"> • 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
Webcam	<p>Acer Video Conference,¹ featuring:</p> <ul style="list-style-type: none"> • Acer Crystal Eye webcam with 1280 x 1024 resolution • Acer Video Conference Manager software, featuring Video Quality Enhancement (VQE) technology, supporting 640 x 480 resolution online video calls¹⁰
Wireless and networking	<p>WLAN:^{1, 11, 12}</p> <ul style="list-style-type: none"> • Acer InviLink™ Nplify™ 802.11b/g/n Wi-Fi CERTIFIED™ • Acer InviLink™ 802.11b/g Wi-Fi CERTIFIED™ • Supporting Acer SignalUp™ wireless technology <p>WPAN:¹ Bluetooth® 3.0+HS</p> <p>LAN: Gigabit Ethernet, Wake-on-LAN ready</p>
Privacy control¹	<p>Acer Bio-Protection fingerprint solution,¹ featuring Pre-Boot Authentication, computer protection, Acer FingerLaunch</p> <p>BIOS user, supervisor, HDD passwords</p> <p>Kensington lock slot</p>
Dimensions and weight¹	<p>Dimensions</p> <p>382 (W) x 269 (D) x 24/39.4 (H) mm (15 x 10.4 x 0.9/1.5 inches)</p> <p>Weight</p> <p>3.3 kg (7.27 lbs.)¹³ with 8-cell battery</p>

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Power adapter and battery¹	<p>ACPI 3.0 CPU power management standard: supports Standby and Hibernation power-saving modes</p> <p>Power adapter</p> <p>3-pin 120 W AC adapter:</p> <ul style="list-style-type: none"> • 155 (W) x 67 (D) x 36.5 (H) mm (6.1 x 2.63 x 1.43 inches) • 570 g (1.25 lbs.)¹³ with 180 cm DC cable <p>Battery</p> <p>83 Wh 6000 mAh 8-cell Li-ion standard battery pack</p> <p>Battery life: 5.2 hours¹⁴</p> <p>ENERGY STAR®</p>
Input and control	<p>Keyboard</p> <p>103-/104-/107-key back-mounted keyboard with independent standard numeric keypad, international language support</p> <p>Touchpad</p> <p>Dual-mode touchpad with Media Console / multi-gesture function, supporting two-finger scroll, pinch, rotate, flip</p> <p>Media keys</p> <p>Touch-sensitive Media Console, featuring:</p> <ul style="list-style-type: none"> • Movie, music shortcuts • Media controls: play/pause, stop, previous, next <p>Horizontal volume wheel</p> <p>Control keys</p> <p>Instant-on Acer Arcade™ Deluxe support</p> <p>Acer programmable key</p> <p>Acer Backup key</p> <p>Communication key</p> <p>Acer Bio-Protection fingerprint reader¹</p>
Input and output	<p>Multi-in-1 card reader (SD™, MMC, MMC<i>plus</i>™, MS, MS PRO, xD)</p> <p>Three USB 2.0 ports¹⁵</p> <p>USB 3.0 port</p> <p>IEEE 1394 port</p> <p>eSATA / USB 2.0 port</p> <p>HDMI® port with HDCP support</p> <p>External display (VGA) port</p>

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	Headphone/speaker/line-out jack with S/PDIF support Microphone-in jack Line-in jack Ethernet (RJ-45) port DC-in jack for AC adapter
Software¹⁶	<p>Productivity</p> <ul style="list-style-type: none"> • Acer Backup Manager¹ • Acer ePower Management¹ • Acer eRecovery Management • Adobe® Flash® Player 10.1 • Adobe® Reader® 9.1 • Barnes & Noble Desktop Reader (US only) • Bing™ Bar • eSobi™ • Microsoft® Office 2010 preloaded (purchase a product key to activate)¹⁷ • Microsoft® Office Starter 2010¹⁸ • New York Times Reader (US only) • Norton™ Online Backup <p>Security</p> <ul style="list-style-type: none"> • Acer Bio-Protection¹ • McAfee® Internet Security Suite Trial¹⁹ • MyWinLocker®¹ (except China, Hong Kong) <p>Multimedia</p> <ul style="list-style-type: none"> • Acer Arcade™ Deluxe • Acer InstantOn Arcade • NTI Media Maker™ <p>Gaming</p> <ul style="list-style-type: none"> • Oberon GameZone¹ (except US, Canada, Hong Kong, Korea) • WildTangent®¹ (US, Canada only) <p>Communication and ISP</p> <ul style="list-style-type: none"> • Acer Crystal Eye • Acer Video Conference Manager¹ • Microsoft® Silverlight™

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	<ul style="list-style-type: none"> • Skype™ • Windows Live™ Essentials¹ <p>Web links and utilities</p> <ul style="list-style-type: none"> • Acer Accessory Store¹ (Belgium, France, Germany, Italy, Netherlands, Spain, Sweden, UK only) • Acer Identity Card • Acer Registration • Acer Updater • eBay® shortcut 2009¹ (Canada, France, Germany, Italy, Mexico, Spain, UK, US only) • Netflix shortcut¹ (US only)
Options and accessories	<p>Acer Xpress VoIP phone and Acer Video Conference Manager pack</p> <p>Acer Media Center remote control</p> <p>1/2/4 GB DDR3 1066 MHz soDIMM module</p> <p>8-cell Li-ion battery pack</p> <p>3-pin 120 W AC adapter</p> <p>External USB floppy disk drive</p> <p>External USB modem</p>
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. Shared system memory may be allocated to support graphics, depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by any memory used by the graphics solution and resources required by the operating environment. 4. This system is bundled with DDR3 1066 MHz memory; however, memory speed may vary depending on CPU/chipset support. 5. A 64-bit operating system is required to enjoy the ultimate performance of 4 GB or higher memory. 6. Resolution/refresh rates depend on display capability and color/depth settings. 7. Dolby® is a registered trademark of Dolby® Laboratories. Dolby Home Theater® is a trademark of Dolby® Laboratories. 8. Supports 7.1-channel surround sound and 2-channel stereo output (multiple streaming). 	

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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. Actual throughput may vary depending on network conditions and environmental factors such as network traffic or overhead, building construction and access point settings.
12. 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 802.11b/g/n and 802.11b/g standards.
13. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
14. The listed battery life is based on MobileMark 2007® productivity mode testing with wireless on. Details of MobileMark2007® testing are available at www.bapco.com. Battery life rating is for comparison purposes only. Actual battery life varies by model, configuration, applications, power management settings, operating conditions, and utilized features. A battery's maximum capacity decreases with time and use.
15. While an eSATA device is plugged in, the USB 3.0 port and two USB 2.0 ports remain functional.
16. Bundled software may vary depending on hardware configuration, OS and regional availability.
17. Purchase an Office 2010 product key to activate one of the following Office 2010 suites preloaded on this PC: Office Home and Student 2010, Office Home and Business 2010, Office Professional 2010.
18. Includes Microsoft® Office 2010 preloaded. Purchase a product key to activate a full Microsoft® Office 2010 suite. This PC is preloaded with reduced-functionality versions of Word and Excel that include advertising. PowerPoint, Outlook and Publisher are not included.
19. 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 achieved the goal of breaking the barriers between people and technology. Globally, Acer ranks No. 2 for total PCs and notebooks. A profitable and sustainable Channel Business Model is instrumental to the company's continuing growth, while its multi-brand approach effectively integrates Acer, Gateway, Packard Bell, and eMachines brands in worldwide markets. Acer strives to design environmentally friendly products and establish a green supply chain through collaboration with suppliers. Acer is proud to be a Worldwide Partner of the Olympic Movement, including the Vancouver 2010 Olympic Winter and London 2012 Olympic Games. The Acer Group employs 7,000 people worldwide. 2009 revenues reached US\$17.9 billion. See www.acer-group.com for more information.

