



Aspire 3820TG Specifications (v2-0-1)	
Operating system¹	Genuine Windows® 7 Home Premium 64-bit ² Genuine Windows® 7 Home Basic 64-bit ²
CPU/chipset¹	<p>Intel® Core i7-620M processor (4 MB L3 cache, 2.66 GHz with Turbo Boost up to 3.33 GHz, DDR3 1066 MHz, 35 W), supporting Intel® 64 architecture, Intel® Smart Cache</p> <p>Intel® Core i5-430M/i5-520M/i5-540M processor (3 MB L3 cache, 2.26/2.40/2.53 GHz with Turbo Boost up to 2.53/2.93/3.06 GHz, DDR3 1066 MHz, 35 W), supporting Intel® 64 architecture, Intel® Smart Cache</p> <p>Intel® Core i3-330M/i3-350M processor (3 MB L3 cache, 2.13/2.26 GHz, DDR3 1066 MHz, 35 W), supporting Intel® 64 architecture, Intel® Smart Cache</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>13.3" HD 1366 x 768 pixel resolution, high-brightness (200-nit) Acer CineCrystal™ LED-backlit TFT LCD, supporting simultaneous multi-window viewing via Acer GridVista™</p> <p>16:9 aspect ratio</p> <p>Super slim frameless design</p>
Graphics¹	<p>ATI Mobility Radeon™ HD 5650 with Switchable™ Graphics technology, up to 4901⁵ MB of HyperMemory™ (1024 MB of dedicated DDR3 VRAM, up to 3067⁶ MB of shared system memory), 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 Switchable™ Graphics technology, up to 3579⁵ MB of HyperMemory™ (512 MB of dedicated DDR3 VRAM, up to 3067⁶ MB of shared system memory), 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>

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	<p>Dual independent display support</p> <p>16.7 million colors</p> <p>External resolution / refresh rates⁷:</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>WMV9 (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>Optimized 3rd Generation Dolby Home Theater®⁸ audio enhancement, featuring Dolby® Digital Live, Dolby® Pro Logic® IIx, Dolby® Headphone, Dolby® Natural Bass, Dolby® Sound Space Expander, Dolby® Inverse Filtering, Dolby® High Frequency Enhancer technologies⁹</p> <p>High-definition audio support</p> <p>MS-Sound compatible</p> <p>Built-in microphone</p>
Storage	<p>160/250/320/500/640 GB or larger hard disk drive^{1, 10}</p> <p>Multi-in-1 card reader, supporting Secure Digital™ (SD) Card, MultiMediaCard (MMC), Memory Stick™ (MS), Memory Stick PRO™ (MS PRO), xD-Picture Card™ (xD)</p>
Communication	<p>Acer Video Conference¹, featuring:</p> <ul style="list-style-type: none"> Acer Crystal Eye high-def webcam with 1280 x 1024 resolution <p>WLAN^{1, 11, 12}:</p> <ul style="list-style-type: none"> Intel® Centrino® Wireless-N 1000 b/g/n Wi-Fi CERTIFIED™ Acer Nplify™, featuring MIMO technology Acer InviLink™ Nplify™ 802.11b/g/n Wi-Fi CERTIFIED™ Acer InviLink™ 802.11b/g Wi-Fi CERTIFIED™

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	<ul style="list-style-type: none"> Supporting Acer SignalUp™ wireless technology WPAN ¹ : Bluetooth® 2.1+EDR LAN: Gigabit Ethernet, Wake-on-LAN ready
Privacy control	BIOS user, supervisor, HDD passwords Kensington lock slot
Dimensions and weight	324 (W) x 235 (D) x 22/28.9 (H) mm (12.7x9.25 x 0.86/1.14 inches) 1.80 kg (3.97 lbs.) with 6-cell battery pack ¹³
Power adapter and battery¹	ACPI 3.0 CPU power management standard: supports Standby and Hibernation power-saving modes Acer PowerSmart 3-pin 65 W AC adapter: <ul style="list-style-type: none"> 165 (W) x 80 (D) x 31 (H) mm (4.13 x 2.00 x 0.73 inches) 900 g (1.54 lbs.)¹³ with 180 cm DC cable 66.6 W 6000 mAh 6-cell Li-ion standard battery pack Estimated battery life: up to 8 hours ^{14, 15} ENERGY STAR®
Special keys and controls	86-/87-/91-key keyboard, with inverted "T" cursor layout Multi-gesture touchpad, supporting two-finger scroll, pinch, rotate, flip 10 function keys, four cursor keys, two Windows® keys, hotkey controls, independent standard numeric keypad, international language support Acer PowerSmart key Media control keys (printed on keyboard): play/pause, stop, previous, next
I/O ports	Multi-in-1 card reader (SD™, MMC, MS, MS PRO, xD) Three USB 2.0 ports HDMI™ port with HDCP support External display (VGA) port Headphone/speaker/line-out jack with S/PDIF support Microphone-in jack

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	Ethernet (RJ-45) port DC-in jack for AC adapter
Software	Acer Arcade™ Deluxe Acer Backup Manager ¹ Acer Crystal Eye ¹ Acer eRecovery Management Acer PowerSmart Manager Acer GridVista™ Acer Launch Manager Adobe® Flash® Player Adobe® Reader® eSobi™ Google Toolbar™ McAfee® Internet Security Suite 2009 Trial ¹⁶ Microsoft® Works with Office Home and Student 2007 Trial MyWinLocker® Norton™ Online Backup NTI Media Maker™ Oberon GameZone ¹ WildTangent® ¹
Optional items	1 GB / 2 GB / 4 GB DDR3 1066 MHz soDIMM module 6-cell Li-ion battery pack 3-pin 65 W AC adapter 3-pin 90 W AC adapter
Warranty	One-year International Travelers Warranty (ITW)
Windows®. Life without Walls™. Acer recommends Windows 7. <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 	

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- 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. Total available graphics memory comprises dedicated video memory, system memory, and shared system memory. This figure will vary depending on system memory, installed drivers, BIOS settings and other factors.
 6. 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.
 7. Resolution/refresh rates depend on display and color/depth settings.
 8. Dolby® is a registered trademark of Dolby® Laboratories. Dolby Home Theater® is a trademark of Dolby® Laboratories.
 9. Dolby® Pro Logic® and the double-D symbol are registered trademarks of Dolby® Laboratories.
 10. 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Acer eRecovery Management utilizes up to 10 GB of the stated hard disk capacity as dedicated backup space.
 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 802.11a/b/g/n and 802.11b/g standards.
 13. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
 14. 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.
 15. Battery life indicated is with Acer PowerSmart Manager enabled.
 16. 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.

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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 pursued the goal of breaking the barriers between people and technology. Globally, Acer ranks top 3 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 acquisitions 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. Acer is proud to be a Worldwide Partner of the Olympic Movement in staging the Vancouver 2010 Olympic Winter and London 2012 Olympic Games. The Acer Group employs more than 6,000 people worldwide. 2008 revenues reached US\$16.65 billion. See www.acer-group.com for more information.

