



Aspire 4820TG Specifications (v6-0-1)	
Operating system¹	Genuine Windows® 7 Home Premium 64-bit ² Genuine Windows® 7 Home Basic 64-bit ²
CPU/chipset¹	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 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 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 Mobile Intel® HM55 Express Chipset
System memory^{1, 3, 4}	Dual-channel DDR3 SDRAM support: <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	14" HD 1366 x 768 pixel resolution, high-brightness (200-nit) Acer CineCrystal™ LED-backlit TFT LCD, supporting simultaneous multi-window viewing Mercury free, environment friendly Super-slim design 16:9 aspect ratio
Graphics¹	ATI Mobility Radeon™ HD 5650 with Switchable™ Graphics technology, up to 4091 ⁵ MB of HyperMemory™ (1024 MB of dedicated DDR3 VRAM, up to 3067 ⁶ 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 ATI Mobility Radeon™ HD 5470 with Switchable™ Graphics technology, up to 3579 ⁵ MB of HyperMemory™ (512 MB of dedicated DDR3 VRAM, up to 3067 ⁶ 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 Dual independent display support 16.7 million colors External resolution / refresh rates ⁷ :

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	<ul style="list-style-type: none"> VGA port up to 2048 x 1536: 85 Hz HDMI™ port up to 1920 x 1200: 60 Hz MPEG-2/DVD decoding VC-1 and H.264 (AVC) decoding Microsoft® DirectX® Video Acceleration (DXVA) application interface (API) HDMI™ (High-Definition Multimedia Interface) with HDCP (High-bandwidth Digital Content Protection) support
Audio	Optimized 3 rd 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 technologies ⁹ High-definition audio support S/PDIF (Sony/Philips Digital Interface) ¹⁰ support for digital speakers MS-Sound compatible Built-in microphone
Storage	160/250/320/500/640 GB or larger hard disk drive ^{1, 11} Multi-in-1 card reader, supporting Secure Digital™ (SD), MultiMediaCard (MMC), Memory Stick® (MS), Memory Stick PRO™ (MS PRO), xD-Picture Card™ (xD)
Optical media drive	8X DVD-Super Multi double-layer drive: <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	Acer Video Conference ¹ , featuring: <ul style="list-style-type: none"> Acer Crystal Eye high-def webcam with 1280 x 1024 resolution WLAN ^{1, 12, 13} : <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 WPAN ¹ : Bluetooth® 2.1+EDR WWAN ^{1, 12} : UMTS/HSPA at 850/900/1900/2100 MHz and

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	<p>quad-band GSM/GPRS/EDGE at 850/900/1800/1900 MHz, upgradable to 7.2 Mb/s HSDPA and 5.7 Mb/s HSUPA (for 3G models)</p> <p>LAN: Gigabit Ethernet, Wake-on-LAN ready</p>
Privacy control	<p>BIOS user, supervisor, HDD passwords</p> <p>Kensington lock slot</p>
Dimensions and weight	<p>342 (W) x 245 (D) x 24/25.4 (H) mm (13.46 x 9.64 x 0.94/0.99 inches)</p> <p>2.2 kg (4.85 lbs.) with 6-cell battery¹⁴</p>
Power adapter and battery¹	<p>ACPI 3.0 CPU power management standard: supports Standby and Hibernation power-saving modes</p> <p>3-pin 90 W AC adapter:</p> <ul style="list-style-type: none"> 133 (W) x 59 (D) x 31 (H) mm (5.23 x 2.32 x 1.22 inches) 390 g (0.86 lbs.)¹⁴ with 180 cm DC cable <p>66.6 W 6000 mAh 6-cell Li-ion standard battery pack</p> <p>Estimated battery life: Up to 8 hours¹⁶</p> <p>ENERGY STAR®</p>
Special keys and controls	<p>86-/87-/91-key keyboard, with inverted "T" cursor layout</p> <p>Multi-gesture touchpad, supporting two-finger scroll, pinch, rotate, flip</p> <p>10 function keys, four cursor keys, two Windows® keys, hotkey controls, independent standard numeric keypad, international language support</p> <p>Acer PowerSmart key</p> <p>Media control keys (printed on keyboard): play/pause, stop, previous, next</p>
I/O ports	<p>Multi-in-1 card reader (SD™, MMC, MS, MS PRO, xD)</p> <p>Four USB 2.0 ports</p> <p>HDMI™ port with HDCP support</p> <p>External display (VGA) port</p> <p>Headphone/speaker jack with S/PDIF support</p> <p>Microphone-in jack</p> <p>Ethernet (RJ-45) port</p> <p>DC-in jack for AC adapter</p>
Software	<p>Productivity</p> <ul style="list-style-type: none"> Acer Backup Manager¹ Acer eRecovery Management

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- Acer PowerSmart Manager¹
- Microsoft® Office Personal 2007 (Service Pack 2)¹
- Microsoft® Office Trial (Service Pack 2)
- Microsoft® Works SE 9¹
- Microsoft® Works 9
- Microsoft® Works 8.5
- Adobe® Flash® Player 10
- Adobe® Reader® 9.1
- eSobi™
- Google™ Setup
- Google Toolbar™
- Norton™ Online Backup

Security

- McAfee® Internet Security Suite 2009 Trial¹⁷
- McAfee® Virus Definitions
- MyWinLocker®¹

Multimedia

- Acer Arcade™ Deluxe
- NTI Media Maker™

Gaming

- Oberon GameZone Acer Edition¹
- WildTangent® Acer Edition¹

Communication and ISP

- Acer Video Conference Manager¹
- Microsoft® Silverlight™
- Windows Live™ Essentials – Wave 3.2 (Mail, Photo Gallery, Live™ Messenger, Movie Maker, Writer)

Utilities and tools

- Acer Accessory Store¹ Acer Assist
- Acer Identity Card
- Acer Registration
- Acer Updater
- eBay® shortcut 2009¹

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	<ul style="list-style-type: none"> • Netflix shortcut¹
Optional items	Acer Media Center remote control 1 GB / 2 GB / 4 GB DDR3 1066 MHz soDIMM module 9-cell Li-ion battery pack 3-pin 90W AC adapter External USB floppy disk drive External USB Lite+LSI 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. 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. Supports 7.1-channel surround sound and 2-channel stereo output (multiple streaming). 11. 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. 12. Actual throughput may vary depending on network conditions and environmental factors such as network traffic or overhead, building construction, and access point settings. 	

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13. 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.
14. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
15. Supported on 4400, 4800 and 5200 mAh battery packs only.
16. 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.
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 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 in staging the Vancouver 2010 Olympic Winter and London 2012 Olympic Games. The Acer Group employs 7,000 people worldwide. Estimated revenue for 2009 is US\$17.9 billion. See www.acer-group.com for more information.



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