



| Aspire 5820TG Specifications (v3-0-1)  |   |
|--|---|
| <b>Operating system<sup>1</sup></b>    | Genuine Windows® 7 Home Basic 64-bit <sup>2</sup><br>Genuine Windows® 7 Home Premium 64-bit <sup>2</sup>  |
| <b>CPU/chipset<sup>1</sup></b>         | <b>Intel® Core™ i7-620M</b> 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<br><br><b>Intel® Core i5-430M/i5-520M/i5-540M</b> 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<br><br><b>Intel® Core i3-330M/i3-350M</b> processor (3 MB L3 cache, 2.13/2.26 GHz, DDR3 1066 MHz, 35 W), supporting Intel® 64 architecture, Intel® Smart Cache<br><br>Mobile Intel® HM55 Express Chipset  |
| <b>System memory<sup>1, 3, 4</sup></b> | Dual-channel DDR3 SDRAM support: <ul style="list-style-type: none"> <li>Up to 4 GB of DDR3 1066 MHz memory, upgradeable to 8 GB using two soDIMM modules (for 64-bit OS)</li> </ul>   |
| <b>Display</b>                         | 15" HD 1366 x 768 pixel resolution, high-brightness (200-nit) Acer CineCrystal™ LED-backlit TFT LCD, supporting simultaneous multi-window viewing via Acer GridVista™<br><br>Mercury free, environment friendly<br><br>16:9 aspect ratio<br><br>Super-slim design   |
| <b>Graphics<sup>1</sup></b>            | ATI Mobility Radeon™ HD 5650 with Switchable Graphics technology, up to 3840 <sup>5</sup> MB of HyperMemory™ (1 GB of dedicated DDR3 VRAM, up to 3067 <sup>6</sup> 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<br><br>ATI Mobility Radeon™ HD 5470 with Switchable Graphics technology, up to 3328 <sup>5</sup> MB of HyperMemory™ (512 MB of dedicated DDR3 VRAM, up to 3067 <sup>6</sup> 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<br><br>Dual independent display support<br><br>16.7 million colors<br><br>External resolution / refresh rates <sup>7</sup> : |

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|                                       | <ul style="list-style-type: none"> <li>VGA port up to 2048 x 1536: 85 Hz</li> <li>HDMI™ port up to 1920 x 1200: 60 Hz</li> </ul> MPEG-2/DVD decoding<br>VC-1 and H.264 (AVC) decoding<br>Microsoft® DirectX® Video Acceleration (DXVA) application interface (API)<br>HDMI™ (High-Definition Multimedia Interface) with HDCP (High-bandwidth Digital Content Protection) support  |
| <b>Audio</b>                          | Optimized 3 <sup>rd</sup> Generation Dolby® Home Theater® <sup>8</sup> 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 <sup>9</sup><br>High-definition audio support<br>S/PDIF (Sony/Philips Digital Interface) <sup>10</sup> support for digital speakers<br>MS-Sound compatible<br>Built-in microphone |
| <b>Storage</b>                        | 160/250/320/500/640 GB or larger hard disk drive <sup>1, 11</sup><br>Multi-in-1 card reader, supporting Secure Digital™ (SD), MultiMediaCard (MMC), Memory Stick® (MS), Memory Stick PRO™ (MS PRO), xD-Picture Card™ (xD)   |
| <b>Optical media drive</b>            | 8X DVD-Super Multi double-layer drive: <ul style="list-style-type: none"> <li>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</li> <li>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</li> </ul>   |
| <b>Communication</b>                  | Acer Video Conference <sup>1</sup> , featuring: <ul style="list-style-type: none"> <li>Acer Crystal Eye high-def webcam with 1280 x 1024 resolution</li> </ul> WLAN <sup>1, 12, 13</sup> : <ul style="list-style-type: none"> <li>Acer InViLink™ Nplify™ 802.11b/g/n Wi-Fi CERTIFIED™</li> <li>Acer InViLink™ 802.11b/g Wi-Fi CERTIFIED™</li> </ul> WPAN <sup>1</sup> :Bluetooth® 2.1+EDR<br>WWAN <sup>1, 12, 14</sup> : UMTS/HSPA at 850/900/1900/2100 MHz and             |

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|  | <p>quad-band GSM/GPRS/EDGE(850/900/1800/1900 MHz), upgradeable to 7.2 Mb/s HSDPA and 5.7 Mb/s HSUPA, supporting receiver diversity and equalizing at 2100 MHz</p> <p>LAN: Gigabit Ethernet, Wake-on-LAN ready</p>   |
| <b>Privacy control</b>                       | <p>BIOS user, supervisor, HDD passwords</p> <p>Kensington lock slot</p>   |
| <b>Dimensions and weight</b>                 | <p>379 (W) x 250 (D) x 21.7/29.8 (H) mm (14.96 X 9.84 X 0.83/1.18 inches)</p> <p>2.42 kg (5.4 lbs.)<sup>15</sup> with 6-cell battery</p>  |
| <b>Power adapter and battery<sup>1</sup></b> | <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"> <li>• 133 (W) x 59 (D) x 31 (H) mm (5.23 x 2.32 x 1.22 inches)</li> <li>• 390 g (0.86 lbs.)<sup>15</sup> with 180 cm DC cable</li> </ul> <p>Acer QuicCharge™ technology<sup>16</sup>:</p> <ul style="list-style-type: none"> <li>• 80% charge in 1 hour</li> <li>• 2-hour rapid charge system-off</li> </ul> <p>66.6 W 6000 mAh 6-cell Li-ion standard battery pack</p> <p>Estimated battery life: up to 8 hours<sup>17</sup></p> <p>ENERGY STAR®</p> |
| <b>Special keys and controls</b>             | <p>103-/104-/107-key keyboard, with inverted "T" cursor layout</p> <p>10 function keys, four cursor keys, two Windows® keys, hotkey controls, independent standard numeric keypad, international language support,</p> <p>Media control keys (printed on keyboard): play/pause, stop, previous, next</p> <p>Multi-gesture touchpad, supporting two-finger scroll, pinch, rotate, flip</p>   |
| <b>I/O ports</b>                             | <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/line-out 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>  |
| <b>Software</b>                              | <b>Productivity</b>   |

## Aspire 5820TG Specifications (v3-0-1)

- Acer Backup Manager<sup>1</sup>
- Acer ePower Management
- Acer eRecovery Management
- Microsoft® Office Trial (Service Pack 2)
- Microsoft® Works SE 9<sup>1</sup>
- 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 Trial<sup>18</sup>
- McAfee® Virus Definitions
- MyWinLocker®<sup>1</sup>

### **Multimedia**

- Acer Arcade™ Deluxe
- Acer InstantOn Arcade
- Cyberlink® PowerDVD™
- NTI Media Maker™

### **Gaming**

- Oberon GameZone Acer Edition<sup>1</sup>
- WildTangent® Acer Edition<sup>1</sup>

### **Communication and ISP**

- Acer Video Conference Manager<sup>1</sup>
- Microsoft® Silverlight™
- Windows Live™ Essentials – Wave 3.2 (Mail, Photo Gallery, Live™ Messenger, Movie Maker, Writer)

### **Utilities and tools**

- Acer Accessory Store<sup>1</sup>
- Acer Assist

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|  | <ul style="list-style-type: none"> <li>• Acer Identity Card</li> <li>• Acer Registration</li> <li>• Acer Updater</li> <li>• eBay® shortcut 2009<sup>1</sup></li> <li>• Netflix shortcut<sup>1</sup></li> </ul> |
| <b>Optional items</b>  | 1 GB / 2 GB / 4 GB DDR3 1066 MHz soDIMM module<br>6-cell Li-ion battery pack<br>9-cell Li-ion battery pack<br>3-pin 90W AC adapter<br>External USB floppy disk drive<br>External USB Lite+LSI modem            |
| <b>Warranty</b>  | One-year International Travelers Warranty (ITW)  |
| <p>Windows®. Life without Walls™. Acer recommends Windows 7.</p> <ol style="list-style-type: none"> <li>1. Specifications vary depending on model.</li> <li>2. 64-bit software is required to enjoy the advantages of 64-bit processing.</li> <li>3. Up to 1 GB of available system memory may be allocated for system resource requirements.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>7. Resolution/refresh rates depend on display and color/depth settings.</li> <li>8. Dolby® is a registered trademark of Dolby® Laboratories. Dolby Home Theater® is a trademark of Dolby® Laboratories.</li> <li>9. Dolby® Pro Logic® and the double-D symbol are registered trademarks of Dolby® Laboratories.</li> <li>10. Supports 7.1-channel surround sound and 2-channel stereo output (multiple streaming).</li> <li>11. 1 GB is 1 billion bytes. Actual formatted capacity is less and</li> </ol> |  |

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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.
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. Manufacturing option.
15. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
16. Supported on 4400, 4800 and 5200 mAh battery packs only.
17. 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.
18. 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 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](http://www.acer-group.com) for more information



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