



Aspire 3830TG Specifications (v4-1-1)	
Operating system¹	Genuine Windows [®] 7 Home Premium 64-bit ² Genuine Windows [®] 7 Home Basic 64-bit ²
CPU and chipset¹	Intel[®] Core[™] i7-2620M processor (4 MB L3 cache, 2.70 GHz with Turbo Boost up to 3.40 GHz, DDR3 1333 MHz, 35 W), supporting Intel [®] 64 architecture, Intel [®] Smart Cache Intel[®] Core[™] i5-2410M/i5-2520M/i5-2540M processor (3 MB L3 cache, 2.30/2.50/2.60 GHz with Turbo Boost up to 2.90/3.20/3.30 GHz, DDR3 1333 MHz, 35 W), supporting Intel [®] 64 architecture, Intel [®] Smart Cache Intel[®] Core[™] i3-2310M/i3-2330M processor (3 MB L3 cache, 2.10/2.20 GHz, DDR3 1333 MHz, 35 W), supporting Intel [®] 64 architecture, Intel [®] Smart Cache Mobile Intel [®] HM65 Express Chipset
System 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 8 GB using two soDIMM modules⁵
Display	13.3" HD 1366 x 768 resolution, high-brightness (200-nit) Acer CineCrystal [™] LED-backlit TFT LCD Mercury-free, environment-friendly Super-slim design 16:9 aspect ratio
Graphics	NVIDIA [®] GeForce [®] GT 540M with NVIDIA [®] Optimus [™] technology, up to 4095 ³ MB of TurboCache [™] (2048 MB of dedicated DDR3 VRAM, up to 2047 ³ MB of shared system memory) NVIDIA [®] GeForce [®] GT 540M with NVIDIA [®] Optimus [™] technology, up to 4095 ³ MB of TurboCache [™] (1024 MB of dedicated DDR3 VRAM, up to 3071 ³ MB of shared system memory) 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: 75 Hz HDMI[®] port up to 1920 x 1080: 60 Hz MPEG-2/DVD decoding WMV9 (VC-1) and H.264 (AVC) decoding HDMI [®] (High-Definition Multimedia Interface) with HDCP (High-bandwidth Digital Content Protection) support

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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 Acer 3DSonic stereo speakers</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 digital microphone</p>
Storage	<p>Hard disk drive:</p> <ul style="list-style-type: none"> • 250/320/500/640/750 GB or larger^{1,9} <p>Solid state drive</p> <ul style="list-style-type: none"> • 80/120/160 GB or larger^{1,9} <p>Multi-in-1 card reader, supporting:</p> <ul style="list-style-type: none"> • Secure Digital™ (SD) Card, SD Extended Capacity (SDXC™) Card, MultiMediaCard™ (MMC), Memory Stick™ (MS), Memory Stick PRO™ (MS PRO), xD-Picture Card™ (xD))
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"> • Intel® Centrino® Ultimate-N 6205 a/b/g/n Wi-Fi CERTIFIED™ with Acer Nplify™, featuring MIMO technology • 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</p> <ul style="list-style-type: none"> • Bluetooth® 3.0+HS • Bluetooth® 2.1+EDR <p>WWAN:^{1, 11} UMTS/HSPA at 850/900/1900/2100 MHz and quad-band GSM/GPRS/EDGE at 850/900/1800/1900 MHz, upgradable to 7.2 Mb/s HSDPA and 5.7 Mb/s HSUPA</p>

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	LAN: Gigabit Ethernet, Wake-on-LAN ready
Privacy control	BIOS user, supervisor, HDD passwords Kensington lock slot
Dimensions and weight	321 (W) x 228 (D) x 22.2/29.25 (H) mm (12.64 x 8.98 x 0.87/1.15 inches) with 6-cell battery pack 1.85kg (4.07 lbs.) ¹³ with 6-cell battery pack
Power adapter and battery¹	ACPI 3.0 CPU power management standard: supports Standby and Hibernation power-saving modes Power adapter 3-pin 90 W AC adapter: <ul style="list-style-type: none"> • 126 (W) x 51 (D) x 31 (H) mm (4.96 x 2 x 1.22 inches) • 332 g (0.73 lbs.)¹³ with 180 cm DC cable Battery Acer PowerSmart long-life battery, supporting up to 1,000 charge cycles ¹⁴ 66.0 Wh 6000 mAh 6-cell Li-ion battery pack Battery life: Up to 9.0 hours ¹⁵ ENERGY STAR®
Input and control¹	Keyboard 86-/87-/91-key Acer FineTip keyboard with international language support Touchpad Multi-gesture touchpad, supporting two-finger scroll, pinch, rotate, flip Media keys Media control keys (printed on keyboard): play/pause, stop, previous, next, volume up, volume down Control key Acer Programmable key
Input and output	Multi-in-1 card reader (SD™, MMC, MS, MS PRO, xD) One USB 3.0 port featuring power-off USB charging ¹ Two USB 2.0 ports

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	HDMI® port with HDCP support External display (VGA) port Headphone/speaker jack with S/PDIF support Microphone-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 • AUPEO! (US only) • Bing™ Bar • eSobi™ • Kobo (Canada only) • Microsoft® Office 2010 preloaded (purchase a product key to activate)¹⁷ • Microsoft® Office Starter 2010¹⁸ • Microsoft® Office Personal 2010¹ (Japan only) • New York Times Reader (US only) • Nook for PC (US only) • Norton™ Online Backup <p>Security</p> <ul style="list-style-type: none"> • McAfee® Internet Security Suite Trial¹⁹ • MyWinLocker®¹ (Except China, Hong Kong) <p>Multimedia</p> <ul style="list-style-type: none"> • Acer clear.fi • NTI Media Maker™ <p>Gaming</p> <ul style="list-style-type: none"> • Oberon GameZone¹ (except US, Canada, Hong Kong, Korea)

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	<ul style="list-style-type: none"> • 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[™] • Skype[™] • Windows Live[™] Essentials 2011¹ <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, Canada only)
Optional items	<p>1/2/4 GB DDR3 soDIMM module</p> <p>250/320/500/640/750 GB hard disk drive</p> <p>3-pin 90 W AC adapter</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 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). 9. 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Acer 	

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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 802.11a/b/g/n and 802.11b/g standards.
13. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
14. The battery will hold up to 80% of its original capacity after as many as 1,000 recharges. A full recharge comprises a complete charge-and-discharge cycle, and does not always occur each time the notebook is plugged in to a power source, as several partial charges can add up to a full recharge.
15. 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.
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 limited-functionality Microsoft® Word and Excel with advertising; no PowerPoint or Outlook. Purchase Office 2010 to activate full-featured Office.
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

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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.

