



Aspire 1810TZ Specifications	
Operating system	Genuine Windows 7® Home Premium (Service Pack 1) Genuine Windows Vista® Home Premium (Service Pack 1)
CPU/chipset¹	Intel® Pentium® processor SU4100 (2 MB L2 cache, 1.30 GHz, 800 MHz FSB, 10 W), supporting Intel® 64 architecture Mobile Intel® GS45 Express Chipset
System memory^{1, 2, 3}	Dual-channel DDR2 SDRAM support: <ul style="list-style-type: none"> Up to 2 GB of DDR2 667 MHz memory, upgradeable to 4 GB using two soDIMM modules (for 32-bit OS)
Display	11.6" HD 1366 x 768 pixel resolution, high-brightness (200-nit) Acer CineCrystal™ LED-backlit TFT LCD 16:9 aspect ratio
Graphics	Mobile Intel® GS45 Express Chipset with integrated 3D graphics, featuring Intel® Graphics Media Accelerator 4500MHD (Intel® GMA 4500MHD) with up to 1759 MB of Intel® Dynamic Video Memory Technology 5.0 (64 MB of dedicated video memory, up to 1695 MB of shared system memory), supporting Microsoft® DirectX® 10 Dual independent display support 16.7 million colors External resolution/refresh rate: <ul style="list-style-type: none"> 2048 x 1536: 60 Hz 1920 x 1440: 75/60 Hz 1920 x 1080: 100/85/75/60 Hz 1856 x 1392: 75/60 Hz 1792 x 1344: 75/60 Hz 1600 x 1200: 100/85/75/60 Hz 1600 x 900: 60 Hz 1400 x 1050: 60 Hz 1366 x 768: 85/75/60 Hz 1280 x 1024: 120/100/85/75/60 Hz 1280 x 960: 85/60 Hz

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	<ul style="list-style-type: none"> • 1280 x 768: 60 Hz • 1152 x 864: 100/85/75 Hz • 1024 x 768: 120/100/85/75/60 Hz • 800 x 600: 120/100/85/72/60 Hz • 640 x 480: 120/100/85/75/60 Hz <p>MPEG-2/DVD decoding</p> <p>WMV9 (VC-1) and H.264 (AVC) decoding</p> <p>HDMI™ (High-Definition Multimedia Interface) with HDCP (High-bandwidth Digital Content Protection) support</p>
Audio	<p>Optimized 2nd Generation Dolby® Sound Room®⁴ audio enhancement, featuring Dolby® Headphone, Dolby® Natural Bass and Dolby® Sound Space Expander</p> <p>High-definition audio support</p> <p>S/PDIF (Sony/Philips Digital Interface)⁵ support for digital speakers</p> <p>MS-Sound compatible</p> <p>Built-in microphone</p>
Storage	<p>250/320 GB hard disk drive^{1, 6}</p> <p>Multi-in-1 card reader:</p> <ul style="list-style-type: none"> • Supporting Secure Digital™ (SD) Card, MultiMediaCard (MMC), Memory Stick™ (MS), Memory Stick PRO™ (MS PRO), xD-Picture Card™ (xD) • Supporting storage cards with adapter: miniSD™, microSD™, Memory Stick Duo™, Reduced-Size Multimedia Card (RS-MMC), Memory Stick PRO Duo™
Communication	<p>Acer Video Conference¹, featuring:</p> <ul style="list-style-type: none"> • Integrated Acer Crystal Eye webcam supporting enhanced Acer PrimaLite™ technology • Acer Video Conference Manager 4.0 software <p>WLAN^{1, 7}: Acer InviLink™ Nplify™⁸ 802.11b/g/Draft-N Wi-Fi CERTIFIED™ network connection, supporting Acer SignalUp™ wireless technology</p> <p>WPAN¹: Bluetooth® 2.1+EDR (Enhanced Data Rate)</p> <p>WWAN¹: UMTS/HSPA at 850/900/1900/2100 MHz and 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</p>

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	<p>equalizing at 2100 MHz (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 weight¹	<p>285 (W) x 204 (D) x 22.1/30 (H) mm (11.22 x 8.03 x 0.87/1.18 inches)</p> <p>1.40 kg (3.08 lbs.) (non-3G SKU)</p>
Power	<p>ACPI 3.0 CPU power management standard: supports Standby and Hibernation power-saving modes</p> <p>62.16 W 5600 mAh 6-cell Li-ion battery pack:</p> <ul style="list-style-type: none"> • 8-hour battery life⁹ <p>3-pin 30 W AC adapter</p> <p>ENERGY STAR[®]</p>
Special keys and controls	<p>84-/85-/88-key full-size Acer FineTip keyboard, with inverted "T" cursor layout</p> <p>10 function keys, four cursor keys, two Windows[®] keys, hotkey controls, embedded numeric keypad, international language support</p> <p>Multi-gesture touchpad pointing device, supporting:</p> <ul style="list-style-type: none"> • Circular-motion scrolling • Pinch-action zoom • Page flip <p>Easy-access switches with LED¹: Bluetooth[®], WLAN/WWAN</p>
I/O ports	<p>Multi-in-1 card reader (SD[™], MMC, MS, MS PRO, xD)</p> <p>Three 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>
Software	<p>Acer Crystal Eye</p> <p>Acer GridVista[™]</p> <p>Acer GameZone</p> <p>Acer Game Console</p> <p>Acer eRecovery Management¹</p>

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	<p>Acer 3G Connection Manager (for 3G model only)</p> <p>Acer Video Conference Manager (VCM) 4.0¹</p> <p>Adobe® Reader®</p> <p>Adobe® Flash® Player 10</p> <p>Google Toolbar™</p> <p>Google Desktop™</p> <p>Google™ Setup¹</p> <p>eSobi™¹</p> <p>My WinLocker¹</p> <p>CyberLink® PowerDVD™</p> <p>McAfee® Internet Security Suite Trial¹⁰</p> <p>Microsoft® Works with Office Home and Student 2007 Trial</p> <p>Microsoft® Windows Live™ Essentials Wave 3 Orion™</p>
Color options	<p>Diamond black</p> <p>Sapphire blue</p> <p>Ruby red</p>
Optional items	<p>1 GB / 2 GB DDR2 667 MHz soDIMM module</p> <p>6-cell Li-ion battery pack</p>
Warranty	<p>One-year International Travelers Warranty (ITW)</p>
<p>Acer recommends Windows Vista® Home Premium.</p> <ol style="list-style-type: none"> 1. Specifications vary depending on model. 2. Up to 1 GB of available system memory may be allocated for system resource requirements. 3. 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. 4. Dolby® is a registered trademark of Dolby® Laboratories. 5. Supports 7.1-channel surround sound and 2-channel stereo output (multiple streaming). 6. 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. 7. Acer Nplify™, a high-throughput wireless solution, delivers superior performance and reliable connections while enabling 	

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emerging voice, video and data applications. Wi-Fi CERTIFIED™, it supports Acer SignalUp™ wireless technology and is compliant with 802.11a/b/g/Draft-N and 802.11b/g standards.

8. Actual throughput may vary depending on network conditions and environmental factors such as network traffic or overhead, building construction and access point settings.
9. 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.
10. Trial periods vary depending on the geographic region and specifications: 365-day trial for China, Hong Kong (Simplified Chinese and Traditional Chinese OS models), Taiwan and Singapore; 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 constantly pursued the goal of breaking the barriers between people and technology. Focused on marketing its brand-name IT products around the globe, Acer ranks as the world's No. 3 vendor 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 mergers 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. The Acer Group employs more than 6,000 people worldwide. 2008 revenues reached US\$16.65 billion. See www.acer.com for more information.



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