Aspire 7738G Specifications (v8-1-2)	
Operating system[1]	Genuine Windows Vista® Home Premium (Service Pack 1)
Platform[1]	Intel® Centrino® 2 processor technology, featuring: • **Intel® Core™2 Extreme** processor **Q9000** (6 MB L2 cache, 2.0 GHz, 1066 MHz FSB, 45 W) supporting Intel® 64 architecture • **Intel® Core™2 Duo** processor **T9400/T9550** (6 MB L2 cache, 2.53/2.66GHz, 1066 MHz FSB, 35 W), or **P7350/ P7450/P7550/P8400/P8600/P8700** (3 MB L2 cache, 2/2.13/2.26/2.26/2.40/2.53 GHz, 1066 MHz FSB, 25 W), supporting Intel® 64 architecture Intel® Centrino® processor technology, featuring: • **Intel® Core™2 Duo** processor **T6400/T6500/T6600** (2 MB L2 cache, 2/2.10/2.20 GHz 800 MHz, 35 W), supporting Intel® 64 architecture Mobile Intel® PM45/GM45 Express Chipset Intel® Wireless WiFi Link 5100/5300 (dual-band quad-mode 802.11a/b/g/Draft-N) Wi-Fi CERTIFIED® network connection, featuring MIMO technology, supporting Acer SignalUp™ with Nplify™[2, 3] wireless technology
System memory[1, 4, 5]	Dual-channel DDR3 SDRAM support Up to 2 GB of DDR3 1066 MHz memory, upgradeable to 4 GB using two soDIMM modules
Display	17.3" HD+ 1600 x 900 pixel resolution, high-brightness (220-nit) Acer CineCrystal™ LED-backlit TFT LCD, supporting simultaneous multi-window viewing via Acer GridVista™ 16:9 aspect ratio 8 ms high-def response time 60% color gamut
Graphics	NVIDIA® GeForce® GT 130M with up to 2815[6] MB of TurboCache™ (1024 MB of dedicated DDR2 VRAM, up to 1791 MB of shared system memory), supporting NVIDIA® CUDA™, PureVideo® HD technology, OpenEXR High Dynamic-Range (HDR) technology, Shader Model 4.0, Microsoft® DirectX® 10 NVIDIA® GeForce® GT 240M with up to 2815[6] MB of TurboCache™ (1024 MB of dedicated DDR3 VRAM, up to 1791 MB of shared system memory), supporting NVIDIA® CUDA™, PhysX™,PureVideo® HD technology, OpenEXR High

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	Dynamic-Range (HDR) technology, Shader Model 4.0, Microsoft® DirectX® 10.1
	NVIDIA® GeForce® G210M with up to 2303[6] MB of TurboCache™ (512 MB of dedicated DDR3 VRAM, up to 1791 MB of shared system memory), supporting NVIDIA® CUDA™, PhysX™, PureVideo® HD technology, OpenEXR High Dynamic-Range (HDR) technology, Shader Model 4.0, Microsoft® DirectX® 10.1
	Dual independent display support
	16.7 million colors
	External resolution/refresh rate:
	2048 x 1536: 75/60 Hz 1920 x 1440: 85/75/60 Hz 1920 x 1200: 75/60 Hz 1920 x 1080: 100/85/75/60 Hz 1680 x 945: 100/85/75/60 Hz 1600 x 1200: 120/100/85/75/60 Hz 1600 x 900: 120/100/85/75/60 Hz 1400 x 1050: 85/75/60 Hz 1366 x 768: 85/75/60 Hz 1280 x 1024: 120/100/85/75/60 Hz 1280 x 960: 85/75/60 Hz 1280 x 768: 85/75/60 Hz 1280 x 720: 100/85/75/60 Hz 1024 x 768: 120/100/85/75/60 Hz 800 x 600: 120/100/85/72/60 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
	Acer Arcade™ Deluxe featuring Acer CinemaVision™ and Acer ClearVision™ technologies[7]
Audio	Dolby®[8]-optimized surround sound system with two built-in stereo speakers and one Acer Tuba CineBass booster supporting low-frequency effects
	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® Audio

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	Optimization, Dolby® High Frequency Enhancer technologies[9]
	True5.1-channel surround sound output
	High-definition audio support
	S/PDIF (Sony/Philips Digital Interface)[10] support for digital speakers
	MS-Sound compatible
	Acer PureZone technology with two built-in stereo microphones, featuring beam forming, echo cancellation, dynamic gain control (TBC), and noise suppression technologies
Storage	One or two 160/250/320/500 GB or larger hard disk drives[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[1]	4X Blu-ray Disc™/DVD-Super Multi double-layer drive: • Read: 24X CD-ROM, 24X CD-R, 24X CD-RW, 8X DVD-ROM, 8X DVD-R, 8X DVD+R, 8X DVD-ROM DL (double-layer), 6X DVD-R DL (double-layer), 6X DVD+R DL (double-layer), 8X DVD-RW, 8X DVD+RW, 5X DVD-RAM, 4X BD-ROM, 4X BD-R, 2X BD-RE, 4X BD-ROM DL (double-layer), 4X BD-R DL (double-layer), 2X BD-RE DL (double-layer), • Write: 24X CD-R, 16X CD-RW, 8X DVD-R, 8X DVD+R, 6X DVD-RW, 6X DVD+RW, 5X DVD-RAM, 4X DVD+R DL (double-layer), 4X DVD-R DL (double-layer) 8X DVD-Super Multi double-layer drive: • Read: 24X CD-ROM, 24X CD-R, 24X CD-RW, 8X DVD-ROM, 8X DVD-R, 8X DVD+R, 6X DVD-ROM DL (double-layer), 6X DVD-R DL (double-layer), 6X DVD+R DL (double-layer), 8X DVD-RW, 8X DVD+RW, 5X DVD-RAM • Write: 24X CD-R, 24X CD-RW, 8X DVD-R, 8X DVD+R, 6X DVD-R DL (double-layer), 6X DVD+R DL (double-layer), 6X DVD-RW, 8X DVD+RW, 5X DVD-RAM
Communication	Acer Video Conference[1], featuring: • Integrated Acer Crystal Eye high-def webcam, featuring 640 x 480 @ 30fps or 1280 x 800 @ 30 fps, supporting enhanced Acer PrimaLite™ technology • Acer Video Conference Manager software featuring Video Quality Enhancement (VQE)

Aspire 7738G Specifications (v8-1-2)	
	technology with H.264 video compression, supporting 640 x 480 resolution online video calls with drag-and-drop Picture-in-Picture (PIP) interactivity[12]
	• Acer PureZone technology
	WLAN[1, 3]: Intel® WiFi Link 5100/5300 (dual-band quad-mode 802.11a/b/g/Draft-N) Wi-Fi CERTIFIED® network connection, featuring MIMO technology, supporting Acer SignalUp™ with Nplify™[2] wireless technology
	WPAN[1]: Bluetooth® 2.1+EDR (Enhanced Data Rate)
	WPAN[1]: Bluetooth® 2.0+EDR (Enhanced Data Rate)
	LAN: Gigabit Ethernet, Wake-on-LAN ready
	Modem: 56K ITU V.92 with PTT approval[13], Wake-on-Ring ready
Privacy control	BIOS user, supervisor, HDD passwords
	Kensington lock slot
Dimensions and weight[1]	410 (W) x 286 (D) x 35/41.5 (H) mm (16.14 x 11.25 x 1.37/1.63 inches)
	3.36 kg (7.3 lbs.) with one HDD and 8-cell battery pack
	3.46 kg (7.4 lbs.) with two HDDs and 8-cell battery pack
	3.25 kg (7.1 lbs.) with one HDD and 6-cell battery pack
Power[1]	ACPI 3.0 CPU power management standard: supports Standby and Hibernation power-saving modes
	71 W 4800 mAh 8-cell Li-ion battery pack:
	• 3.5-hour battery life[14]
	48.8 W 4400 mAh 6-cell Li-ion battery pack:
	• 2-hour battery life[14]
	Acer QuicCharge™ technology:
	• 80% charge in 1 hour
	• 2-hour rapid charge system-off
	• 3-hour charge-in-use
	3-pin 90 W AC adapter
	ENERGY STAR®
Special keys and controls	103-/104-/107-key keyboard, with inverted "T" cursor layout
	Multi-gesture touchpad pointing device with Acer Bio-Protection fingerprint reader[1], featuring Acer

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	FingerNav 4-way control function
	Multi-gesture touchpad pointing device supporting
	• Circular-motion scrolling
	• Pinch-action zoom
	• Page flip
	10 function keys, four cursor keys, two Windows® keys, hotkey controls, independent standard numeric keypad, international language support,
	Acer PowerSmart key
	Easy-launch keys: Acer Backup, WLAN, Bluetooth®, touchpad lock
	Media keys (printed on keyboard): play/pause, stop, previous, next
	Acer CineDash media console Lite capacitive human interface device, including:
	• Acer Arcade™
	• Volume meter (volume up/down)
	• Media control (play/pause, stop, previous, next)
	• Mute and hold keys
	Acer Media Center remote control[1]
I/O ports	Multi-in-1 card reader (SD™, MMC, MS, MS PRO, xD)
	Four USB 2.0 ports
	HDMI™ port with HDCP support
	Acer Bio-Protection fingerprint reader[1]
	External display (VGA) port
	Consumer infrared (CIR) port[1]
	Headphone/speaker/line-out jack(S/PDIF)
	Microphone-in jack
	Line-in jack
	Ethernet (RJ-45) port
	Modem (RJ-11) port
	DC-in jack for AC adapter
Software	Acer Arcade™ Deluxe featuring Cinema, Album, Music, Acer HomeMedia, Online Media
	Acer Bio-Protection[1]
	Acer Crystal Eye[1]
	Acer GridVista™

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	Acer GameZone[1]
	Acer Backup Manager
	Acer Launch Manager
	Acer PowerSmart Manager
	Acer eRecovery Management
	Adobe® Reader®
	McAfee® Internet Security Suite Trial[15]
	NTI Media Maker™
	Google Toolbar™
	Google Desktop™
	Adobe Flash® Player
	Microsoft® Works 9 with Office Home and Student 2007 Trial (Service Pack 1)
	Microsoft® Windows Live™ Essentials
Optional items	1 GB / 2 GB DDR3 1066 MHz soDIMM module
	8-cell Li-ion battery pack
	3-pin 90 W AC adapter
	External USB floppy disk drive
Warranty	One-year International Travelers Warranty (ITW)

Acer recommends Windows Vista® Home Premium.

1. Specifications vary depending on model.

2. 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/Draft-N and 802.11b/g standards.

3. Actual throughput may vary depending on network conditions and environmental factors such as network traffic or overhead, building construction and access point settings.

4. Up to 1 GB of available system memory may be allocated for system resource requirements.

5. 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.

6. For systems with 4 GB of system memory. The total graphics memory visible to the OS is less than the actual size allocated from the physical memory installed and varies depending on the configuration under a 32-bit OS.

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7. Powered by CyberLink® technology.

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 operating environment. Acer eRecovery Management utilizes up to 10 GB of the stated hard disk capacity as dedicated backup space.

12. Two VQE-enabled Acer notebooks with dual-core processors are required to enjoy the exclusive benefits and added performance of VQE.

13. PTT countries: **Asia**: China, Hong Kong, Japan, Korea, Malaysia, Singapore, Taiwan. **Europe**: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Holland, Iceland, Italy, Luxembourg, Norway, Portugal, Spain, Sweden, Switzerland. **Oceania**: Australia, New Zealand. **N. America**: Canada, USA.

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. Trial periods vary depending on the geographic region and specifications: 365-day trial for China, Hong Kong (Simplified Chinese and Traditional Chinese OS sku), 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.

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

Aspire 7738G Specifications (v8-1-2)

NVIDIA® GeForce® GT 240M

NVIDIA® GeForce® G210M

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