

E627 Specifications (v4-1-1)	
Operating system ¹	Genuine Windows® 7 Home Premium 64-bit ²
Platform ¹	<p>AMD Better By Design Program, featuring:</p> <ul style="list-style-type: none"> • AMD Athlon™ 64 X2 dual-core processor TK-42 (1 MB L2 cache, 1.60 GHz, DDR2 667 MHz, 20 W), supporting AMD HyperTransport™ 3.0 technology • AMD Athlon™ 64 X2 dual-core processor L310 (1 MB L2 cache, DDR2 800 MHz, 1.20 GHz, 13 W), supporting AMD HyperTransport™ 3.0 technology • AMD Athlon™ 64 single-core processor TF-20 (512 KB L2 cache, 1.60 GHz, DDR2 667 MHz, 15 W), supporting AMD HyperTransport™ 3.0 technology • AMD M780G Chipset • 802.11b/g Wi-Fi CERTIFIED™ network connection³
System memory ^{1, 4, 5}	<p>Dual-channel DDR2 SDRAM support:</p> <ul style="list-style-type: none"> • Up to 2 GB of DDR2 667 MHz memory, upgradeable to 4 GB using two soDIMM modules⁶
Display	<p>15.6" HD 1366 x 768 pixel resolution, high-brightness (220-nit), TFT LCD</p> <p>16:9 aspect ratio</p>
Graphics ¹	<p>ATI Radeon™ HD 3200 Graphics with up to 1919⁷ MB of HyperMemory™ (256 MB of dedicated system memory, up to 1663 MB of shared system memory), supporting Unified Video Decoder (UVD), OpenEXR High Dynamic-Range (HDR) technology, Shader Model 4.0, Microsoft® DirectX® 10</p> <p>Dual independent display support</p> <p>16.7 million colors</p> <p>External resolution/refresh rate:</p> <ul style="list-style-type: none"> • 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 • 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 • 1280 x 1024: 120/100/85/75/60 Hz • 1280 x 960: 85/75/60 Hz • 1280 x 768: 85/75/60 Hz

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	<ul style="list-style-type: none"> • 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
Audio	High-definition audio support with two built-in stereo speakers MS-Sound compatible
Storage	160/250/320/500 GB or larger hard disk drive ^{1, 8} 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, 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 • 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	Integrated low-light-enhanced video webcam, supporting 310K pixel resolution (640 x 480 @ 30 fps) WLAN ³ : 802.11b/g Wi-Fi CERTIFIED™ network connection LAN: 10/100 Mbps Fast Ethernet, Wake-on-LAN ready
Dimensions and weight¹	372.3 (W) x 246.5 (D) x 26.8/39.6 (H) mm (14.4 x 10.8 x 1.1/1.5 inches) 2.7 kg (6.0 lbs.) with 6-cell battery pack
Power	Product Safety Electric Appliance and Materials (PSE) certified for battery pack 48.8 W 4400 mAh 6-cell Li-ion battery pack: <ul style="list-style-type: none"> • 2.5-hour battery life⁹ 2.5-hour rapid charge system-off, 3.5-hour charge-in-use 3-pin 65 W AC adapter ENERGY STAR® 5.0
Keyboard	99-/100-/103-key full-size keyboard
Special keys and controls¹	Touchpad pointing device Easy-launch keys: touchpad lock, WLAN Eight function keys, four cursor keys, two Windows® keys, independent numeric keypad, international language support

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	Media control keys (printed on keyboard): play/pause, stop, previous, next
I/O ports	Multi-in-1 card reader (SD™, MMC, MS, MS PRO, xD) Two USB 2.0 ports External display (VGA) port Headphone/speaker/line-out jack Microphone-in jack Ethernet (RJ-45) port DC-in jack for AC adapter
Software¹⁰	Productivity: <ul style="list-style-type: none"> • eMachines Recovery Management • Microsoft® Works 8.5 / 9 / SE 9 with Office Home and Student 2007 Trial • Adobe® Reader® Security: <ul style="list-style-type: none"> • Norton Internet Security™ 2009 Trial (60 days) Multimedia and entertainment: <ul style="list-style-type: none"> • Corel® WinDVD • NTI Media Maker™
Optional items	1 GB / 2 GB DDR2 667 MHz soDIMM module 3-pin 65 W AC adapter External USB 56K modem
<p>Windows® Life without Walls™. eMachines 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. 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. A 64-bit operating system is required to enjoy the ultimate performance of 4 GB memory. 7. 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 	

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and varies depending on the configuration under a 32-bit OS.

8. 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and the operating environment. eMachines Recovery Management utilizes up to 10 GB of the stated hard disk capacity as dedicated backup space.
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. Bundled software may vary depending on hardware configuration, OS and regional availability.

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 warranty.

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