



## Specifications

Part Number: NV53Gateway NV53 Notebook Series

Following are the specifications for the Gateway® NV53 notebook series.  
Specifications are subject to change without notice or obligation.

Feature	Specification
Operating System <sup>1</sup>	Genuine Windows® 7 Home Premium 64-bit <sup>2</sup> Genuine Windows® 7 Home Basic 64-bit <sup>2</sup>
Processor <sup>1</sup>	AMD Turion™ II Ultra dual-core mobile processor M600/M620/M640/M660 (2 MB L2 cache, 2.40/2.50/2.60/2.70 GHz, DDR2 800 MHz, 35 W), supporting AMD HyperTransport™ 3.0 technology AMD Turion™ II dual-core mobile processor M500/M520/M540 (1 MB L2 cache, 2.20/2.30/2.40 GHz, DDR2 800 MHz, 35 W), supporting AMD HyperTransport™ 3.0 technology AMD Athlon™ II X2 dual-core processor M300/M320/M340 (1 MB L2 cache, 2/2.10/2.20 GHz, DDR2 667 MHz, 35 W), supporting AMD HyperTransport™ 3.0 technology AMD Sempron™ processor M100/M120 (512 KB L2 cache, 2/2.10 GHz, DDR2 667 MHz, 25 W), supporting AMD HyperTransport™ 3.0 technology
Chipset	AMD M880G Chipset
Memory <sup>1, 4, 5.</sup>	Dual-channel DDR2 SDRAM support Up to 2 GB of DDR2 667 MHz memory, upgradeable to 4 GB using two soDIMM modules <sup>6</sup>
Video Subsystem	ATI Mobility Radeon™ HD 4570 <sup>4</sup> with up to 2304 <sup>5</sup> MB of HyperMemory™ (512 MB of dedicated DDR2 VRAM, up to 1792 MB of shared system memory), supporting Unified Video Decoder (UVD), OpenEXR High Dynamic-Range (HDR) technology, Shader Model 4.1, Microsoft® DirectX® 10.1  ATI Mobility Radeon™ HD 4200 Graphics <sup>9</sup> with up to 1919 <sup>8</sup> MB of HyperMemory™ (256 MB of dedicated system memory, up to 1663 MB of shared system memory), supporting Unified Video Decoder 2(UVD2), 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:
LCD Properties	15.6" HD 1366 x 768 pixel resolution, high-brightness (220-nit) with Gateway Ultrabright™ TFT LCD, supporting simultaneous multi-window viewing 16:9 aspect ratio 8 ms response time
Hard Drive <sup>1, 12.</sup>	160/250/320/500 GB hard disk drive
Media Card Reader	Media card reader supporting:

	<ul style="list-style-type: none"> <li>Secure Digital™ (SD) Card</li> <li>MultiMediaCard (MMC)</li> <li>Reduced-Size Multimedia Card (RS-MMC) <ul style="list-style-type: none"> <li>Memory Stick® (MS)</li> </ul> </li> <li>Memory Stick PRO™ (MS PRO) <ul style="list-style-type: none"> <li>xD-Picture Card™ (xD)</li> </ul> </li> </ul>
Audio	<p>Optimized 2nd Generation Dolby Sound Room<sup>10</sup> audio enhancement, featuring:</p> <ul style="list-style-type: none"> <li>Dolby® Headphone</li> <li>Dolby® Natural Bass</li> <li>Dolby® Sound Space Expander</li> </ul> <p>Two built-in stereo speakers High-definition audio support S/PDIF (Sony/Philips Digital Interface)<sup>11</sup> support for digital speakers Built-in microphone MS-Sound compatible</p>
Communication	<p>WLAN<sup>1, 2, 3</sup>: Integrated Gateway 802.11b/g/Draft-N Wi-Fi CERTIFIED® network connection, featuring MIMO technology</p> <p>WPAN<sup>1</sup>: Bluetooth® 2.1+EDR (Enhanced Data Rate)</p> <p>LAN: Gigabit Ethernet, Wake-on-LAN ready</p> <p>Modem: 56K ITU V.92 with PTT approval<sup>13</sup></p>
Power	<p>ACPI 3.0 CPU power management standard: supports Standby and Hibernation power-saving modes 48.8 W 4400 mAh 6-cell Li-ion battery pack with discrete graphics:</p> <ul style="list-style-type: none"> <li>3-hour battery life<sup>14</sup></li> </ul> <p>48.8 W 4400 mAh 6-cell Li-ion battery pack with integrated graphics:</p> <ul style="list-style-type: none"> <li>2-hour, 40-minute battery life<sup>14</sup></li> </ul> <p>3-pin 90 W AC adapter<sup>7</sup> 3-pin 65 W AC adapter<sup>9</sup> ENERGY STAR®</p>
Dimensions (W × D × H)	
Software	
Optional items	<ul style="list-style-type: none"> <li>Bluetooth® 2.1 module</li> <li>1 GB / 2 GB DDR2 667 MHz soDIMM module</li> <li>4400 mAh 6-cell Li-ion battery pack</li> <li>3-pin 90 W AC adapter<sup>7</sup></li> <li>3-pin 65 W AC adapter<sup>9</sup></li> <li>External USB 56K modem</li> </ul>

1. Specifications vary depending on model.