

WIN Flash Technical Specifications - Hardware

Hardware

Adobe has tested Adobe® Flash® Player 9 extensively on the following minimum hardware configurations:

Windows®	Macintosh	Linux®
Intel® Pentium® II 450MHz or faster processor (or equivalent)	PowerPC® G3 500MHz or faster processor Intel Core™ Duo 1.33GHz or faster processor	Modern processor (800MHz or faster)
128MB of RAM	128MB of RAM	512MB of RAM, 128MB of graphics memory

Recommended hardware for standard and high-definition (HD) video playback

The following minimum hardware configurations are recommended for an optimal playback experience:

Resolution	Windows	Macintosh	Linux
852x480 (480p), 24 fps	Intel Pentium 4 2.33GHz processor (or equivalent)	PowerPC G5 1.8GHz or faster processor	Intel Pentium 4 2.33GHz processor (or equivalent)
	128MB of RAM	Intel Core Duo 1.33GHz or faster processor	128MB of RAM
	64MB of VRAM	256MB of RAM 64MB of VRAM	64MB of VRAM
1,280x720 (720p), 24–30 fps	Intel Pentium 4 3GHz processor (or equivalent)	Intel Core Duo 1.83GHz or faster processor	Intel Pentium 4 3GHz processor (or equivalent)
	128MB of RAM	256MB of RAM	128MB of RAM
	64MB of VRAM	64MB of VRAM	64MB of VRAM
1,920x1,080 (1080p), 24 fps	Intel Core Duo 1.8GHz processor (or equivalent)	Intel Core Duo 2.66GHz processor (or equivalent)	Intel Core Duo 1.8GHz processor (or equivalent)
	128MB of RAM	512MB of RAM	128MB of RAM
	64MB of VRAM	128MB of VRAM	64MB of VRAM

WIN Flash Technical Specifications - Software**Operating systems and browsers**

Flash Player 9 is supported on the following minimum operating systems and browsers:

Windows

Platform	Browser
Microsoft® Windows Vista®	Microsoft Internet Explorer 7, Firefox 2.0, AOL 9, Safari 3.x or later
Microsoft Windows XP	Microsoft Internet Explorer 6.0 or later, Firefox 1.x, Firefox 2.x, Mozilla 1.x or later, Netscape 7.x or later, AOL 9, Opera 7.11 or later, Safari 3.x or later
Microsoft Windows Server® 2003	Microsoft Internet Explorer 6.0 or later, Firefox 1.x, Firefox 2.x
Microsoft Windows 2000	Microsoft Internet Explorer 5.x, Firefox 1.x, Firefox 2.x, Mozilla 1.x, Netscape 7.x or later, AOL 9, Opera 7.11 or later
Microsoft Windows Millennium Edition	Microsoft Internet Explorer 5.5, Firefox 1.x, Mozilla 1.x, Netscape 7.x or later, AOL 9, Opera 7.11 or later
Microsoft Windows 98	Microsoft Internet Explorer 6.0 or later, Firefox 1.x, Mozilla 1.x, Netscape 7.x or later, Opera 7.11 or later

Macintosh¹

Platform	Browser
Mac OS X v10.1 or later (PowerPC)	Firefox 1.x, Mozilla 1.x, Netscape 7.x or later, AOL for Mac OS X, Opera 6, Safari 1.x or later
Mac OS X v10.4.x or later (Intel)	Firefox 1.5.0.3 or later, Opera 6, Safari 2.x or later