VIDEO CARDS
The following video systems have been tested and found to be compatible with Volcanoes. We recommend installing the latest available video ROM and software. Contact the video card manufacturer for information.

If you experience difficulties with a card that is not on this list, first test it at 640 x 480 resolution with the monitor's color depth set to 8 bit (256 colors). Next, contact the hardware manufacturer to find out if the problem has been addressed with an updated driver.

The following cards have been tested and provide acceptable results:

Video card	Bus Type	Driver Date	Rev	Notes
Actix ProStar VL	VLB	8/18/93	1.42	
ATI Graphics Ultra	ISA	3/19/93	2.3	
ATI Graphics Ultra Plus	ISA	4/25/94	2.3	
ATI Graphics Ultra Pro	VLB	4/25/94	2.3	
ATI Graphics Ultra Pro	ISA	4/25/94	2.3	
ATI Graphics Wonder	VLB	3/19/93	2.3	
ATI Graphics Xpression	VLB	6/13/94	1.1	Note 1
Blackship Color DesignerA3	VLB	7/8/93	1.32	
Compaq QVision 1024/I	ISA	1/18/94	7.40	
Diamond Speed Star Plus	ISA			Note 4
Diamond Speed Star Pro	ISA	2/17/94	1.08	
Diamond Speed Star VGA	ISA	4/14/92		
Diamond Stealth 24	VLB	6/3/94	3.00	
Diamond Stealth Pro	VLB	10/6/93		
Diamond Viper	PCI	9/27/93	3.01	
Diamond Viper	VLB	9/17/93	2.01	
Elite Group GD5426/28	VLB	8/18/93	1.32b	
ELSA Winner2000 Pro	PCI	6/23/94	1.22	
Genoa Windows VGA 24	VLB	8/8/93	1.7	
Headland Video 7 RAM II VGA	ISA	5/15/92	3.10	
Hercules Dynamite Pro	ISA	12/1/93	2.10	Note 3
Hercules Dynamite Pro	VLB	12/1/93	3.00	
Hercules Graphite Power	ISA	4/6/94	2.10	
Hercules Graphite Pro	VLB	12/29/93	2.21	Note 2
IBM XGA Display	MCA	11/12/93	2.11	
IBM XGA-2	MCA	11/12/93	2.11	
Matrox MGA Power Graphics	PCI	3/28/93	1.42	
Media Vision ProGraphics 1280	VLB	9/15/93	1.01	
Media Vision ProGraphics 1024	VLB	4/15/94	1.5	
Mitac MVA-CL5428-1MB	VLB	3/15/94	V1.43	
Number Nine 9GXe Level 10	ISA	2/9/94	V3.11	
Number Nine 9GXe Level 11	VLB	2/9/94	3.10.061	
Number Nine 9GXe Level 14	VLB	4/7/94	3.15	
Number Nine 9GXE64	VLB	6/22/94	1.19.04	
Number Nine 9GXE64	PCI	6/22/94	1.19.04	
Orchid Celsius	VLB	10/1/93	1.32	
Orchid Fahrenheit 1280	ISA	8/10/92	3.0	
Orchid Fahrenheit 1280 Plus	VLB	3/1/94	rel 7	
Orchid Fahrenheit VA	VLB	4/29/93	5.01	
Orchid Kelvin 64	PCI	3/14/94	1.1	
Orchid Kelvin 64	VLB	2/23/94	1.21	
Orchid ProDesigner IIS	ISA	3/1/92	2.0	
Paradise WD90c33	VLB	6/28/93	1.2	
RasterOps PaintBoard PC	ISA	3/25/93	3.10	Note 2
Spider Black Widow	VLB	1/20/94		

Standard 1Mb-24X	ISA	3/19/93	1.30	
STB Horizon VL Pro	VLB	6/29/93	1.3	
STB Lightspeed	PCI	12/1/93	1.1	
STB Pegasus	VLB	11/29/93	1.3	
Trident 8900C	ISA	9/23/92	3.10	
Trident 9000C	ISA	7/8/93	VC4.5 (WC1.6)	Note 2
TrueVision Bravado 8	ISA	1/15/92		

Note 1: Set DeviceBitmaps=OFF in the Windows SYSTEM.INI file [MACH] section after card
software installation if using this driver version.
Note 2: Use in 256 color mode only.
Note 3: Does not always properly display QuickTime digital video in 16-bit (thousands) and 24-bit
(millions).
Note 4: Does not always properly display QuickTime digital video in 8-bit (256 colors).

* If you have an ATI Mach 64 Graphics Accelerator card, set DeviceBitmaps=OFF in the Windows
SYSTEM.INI file [MACH] section after card software installation. Also choose Small font, 256 Color
Palette On, and Dithering Control Off in the Advanced settings of the Flexdesk+ control panel in the ATI
Desktop.

SOUND CARDS
The following sound cards have been tested and are compatible with Volcanoes:

Compaq Business Audio
Creative Labs SoundBlaster
Creative Labs SoundBlaster Pro
Creative Labs SoundBlaster 16
Creative Labs SoundBlaster AWE32
Gateway 2000
IBM M-Audio *
MediaVision ProAudio Spectrum
MediaVision ProAudio Spectrum 16
MediaVision ProAudio Spectrum 16 Pro
Microsoft Windows SoundSystem Version 1
Microsoft Windows SoundSystem Version 2
Orchid SoundWave 32
Reveal Forte 16
Roland Rap-10

* IBM computers that have the M-Audio sound card should use driver version 1.3 or higher for
best results. Older versions of this driver don't play all sounds or Quicktime movies. 8-bit sounds
are corrupted when played after a 16-bit sound. At the time these release notes were written,
version 1.3 (dated 1/10/94) was the most recent driver available from IBM.

* The following sound card drivers are known to cause problems with Volcanoes:
Ensoniq soundscape versions prior to 1.20
IBM DSP/MWAVE software before versions 2.0 (fix can be obtained from IBM)
PC SPEAKER (speaker.drv) driver