

# Hercules Terminator™ 3D/DX

Powerful 2D Graphics - Smooth MPEG Video - Plus 2nd Generation 3D



## Product Highlights

- S3 ViRGE/DX processor
- High performance/wide bandwidth hardware design
- 2MB/4MB single-cycle EDO DRAM
- High performance Power Drive drivers for Windows 95
- Powerful, 2nd generation 3D
- Hardware accelerated video playback with x/y filtering
- Software player for MPEG-1 and MMX-optimized MPEG-2
- 170MHz DAC for refresh rates up to 160 Hz
- Max. 1600 x 1200 and 1024 x 768 true color
- Fast DirectX 3a support for 2D/3D and video applications
- VESA DPMS, DDC 1, DDC 2B support for Plug-and-Play operation
- Includes Game CD "Descent II: Destination Quartzon 3D"
- Drivers for Windows 3.xx, Windows for Workgroups 3.11, Windows NT 3.5x, Windows NT 4.0, OS/2, AutoCAD.

## Excellent 2D/3D Graphics Performance

The Hercules Terminator 3D/DX is a major breakthrough in high-performance 2D/3D graphics and multimedia technology. Compared with considerably more expensive VRAM, SGRAM or 128-Bit boards the Hercules Terminator 3D/DX offers significantly increased 3D performance, faster 2D graphics and enhanced video playback quality.

## 2nd Generation 3D Delivers Industry Leading Performance

The Hercules Terminator 3D/DX is the "3D feature-set leader." It combines improved 3D frame rate performance with excellent 3D image quality to put Hercules' new 3D accelerator in the leading position of the price/performance/3D-feature competition. Hercules' unique high-performance/wide-bandwidth hardware design and advanced Power Drive drivers for Windows 95 with enhanced Microsoft DirectX support unleash all the capabilities of the new, powerful controller chip.

## S3 ViRGE/DX Graphics Processor

The Hercules Terminator 3D/DX integrates S3' new ViRGE/DX and 2MB (upgradeable) or 4MB of high-speed EDO DRAM with increased data throughput into a high-performance/wide-bandwidth hardware design to deliver the next level of performance required by emerging 2D/3D business desktop applications and 3D gaming. The Hercules Terminator 3D/DX also takes full advantage of the architectural enhancements of the S3 ViRGE/DX such as "SmartFilter technology" for high quality texture mapping, and the "parallel processing perspective engine" to increase frame rates.



Hercules combines these 3D performance advantages with the support of a variety of 3D effects in hardware such as "bilinear filtering" for smooth edges, "fogging" for atmospheric effects, and "transparency" for realistically rendering real world environments.

## Refresh Rates up to 160Hz

The Hercules Terminator 3D/DX features a 170MHz high-performance DAC for 16.7 million color display at 1024x768, 1280 x 1024 with 85Hz. Supported monitors range from standard 14" VGA up to 21" with 110 kHz. Refresh rates are available up to 160Hz.

## Software MPEG-2 Player

To further enhance the multimedia experience, full-screen/full-motion video playback is now even smoother with enhanced, high quality linear interpolation in both the horizontal and vertical dimensions. In addition to an MPEG-1 software player the Hercules Terminator 3D/DX is also shipping with an MPEG-2 software player taking full advantage of Hercules' DirectX driver support and the next generation of MMX processors.

## Accelerated Drivers

The Hercules Terminator 3D/DX ships with Hercules' Power Drive drivers for Windows 95 and accelerated drivers for Windows 3.x, Windows for Workgroups 3.11, Windows NT 3.5x, Windows NT 4.0, OS/2 Warp, and AutoCAD. In addition, the Hercules CD includes Touch desktop management utilities and the Hercules Entertainment Center, a consumer electronics style control center, which allows the user to easily load and play audio and video files from a fun, easy-to-use on-screen interface.

## United States of America

- Telephone (800) 532-0600
- Tech Support (510) 623-6050
- Toll-free Tech Support (800) 323-0601
- Toll-free fax-back (800) 711-HERC
- Fax (510) 623-4215
- BBS (510) 623-7449

## European Office in Germany

- Telephone +49 89-8989-0573
- Fax +49 89-8989-0585
- BBS (Modem 28.8) +49 89-8989-0576
- BBS - ISDN +49 89-8989-0234

## On-Line Services

- Internet: sales@hercules.com
- Internet: support@hercules.com
- WWW: http://www.hercules.com
- FTP: ftp://ftp.hercules.com
- CompuServe: GO HERCULES

## Refresh Rates†

Resolution	Colors	Maximum Refresh Rates
1600 x 1200	256	60 Hz
1280 x 1024	65,536*	75 Hz
	256	90 Hz
1024 x 768	16.7M*	90 Hz
	65,536	90 Hz
	256	120 Hz
800 x 600	16.7M	90 Hz
	65,536	120 Hz
	256	160 Hz
640 x 480	16.7M	120 Hz
	65,536	160 Hz
	256	160 Hz

\* requires 4MB memory

	2MB	4MB
Model #	T3312EDO	T3314EDO



† Refresh rates listed are the maximum values that can be achieved with monitors operating at compatible horizontal frequencies. Resolution, pixel depth and refresh rates are driver dependent and may not be available in all applications or operating systems. © 1997 Hercules Computer Technology, Inc., 3839 Spinnaker Court, Fremont, CA 94538. Hercules is a registered trademark and Hercules Terminator, SuperStable, Touch 95, and Hercules Entertainment Center are all trademarks of Hercules Computer Technology, Inc. All other product names are trademarks of their respective holders. Specifications are subject to change without notice. T3D/DX\_SPEC Ver. 1.02 3/97