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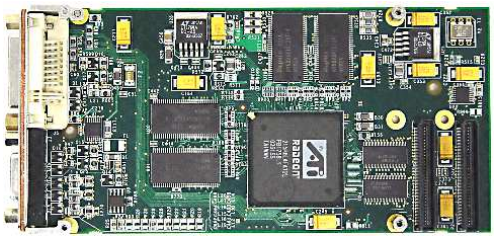
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Find the *Mercury Computer Systems / Themis TGA-100* at our website: *Click HERE*

TGA-100 Graphics Adapter



High Performance, Low Cost PMC 2-D Graphics Adapter with Dual-Display Support

Themis' TGA-100™ graphics accelerator is a high-performance, low-cost, 2-D graphics solution. Offered in a PMC form factor, the TGA-100 is compatible with Sun Microsystems™ XVR-100 graphics processing board and operates with Themis' USPIIIi™ VMEbus computer, USPIIe-Gb™ and USPIIe-USB™ single-board-computer products.

The TGA-100 provides users in Solaris™ and Linux®-based environments high screen resolutions, up to 1920 x 1200, while displaying up to 16.7 million colors. Themis' new TGA-100 boards are designed for use with analog CRT and analog flatpanel monitors. An optional DVI connector provides support for PanelLink compatible displays.

HD-15 and DVI-I video connectors provide users with both digital and analog video outputs as well the ability to drive two displays at up to 1280x1024 resolution. Compatible with the Sun Microsystems XVR-100 graphics technologies, the TGA-100 is supported on a wide range of Sun systems and supports Sun as well as VESA standards.

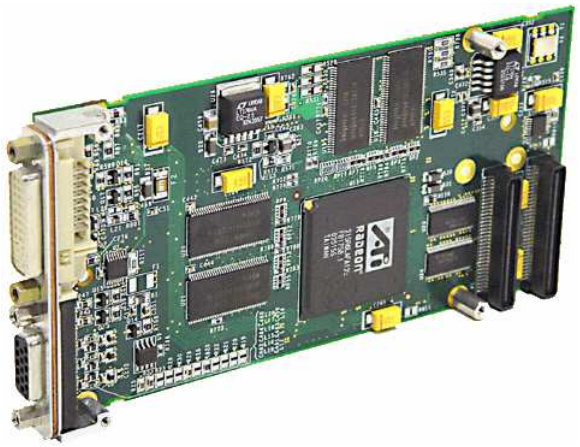
Because Themis TGA-100 graphics accelerator supports the Solaris™ 8, 9, and 10 Operating Environments, user software investments are protected. Providing native Solaris support and Sun XVR-100 compatibility in a PMC form factor, the TGA-100 is an ideal replacement for PMC graphics boards used in other operating environments.

TGA-100 Features

- The TGA-100 is a Sun XVR-100 compatible PMC graphics board
- ATI Radeon 7000 graphics engine
- Low cost graphics adaptor provides 2-D, 24-bit color graphics
- 64MB DDR SDRAM
- 32-Bit, 33-/66-MHz
- Triple 8-bit palette DAC supports pixel rates up to 350 MHz
- Dual-display and high resolution support
  - 24-bit support for up to 1280 x 1200 resolutions @ 75 Hz
- Solaris Open GL compatibility
- Designed for USPIIIi and USPIIe processor cards
- Operating resolutions:

  Single display - 640x480 to 1920x1200 (24-bit)

  Dual display - 640x480 to 1280x1024
- Solaris 8, 9, and 10 support
- Sun OpenGL for Solaris 1.3 and later



THEMIS

Themis Computer TGA-100 Graphics Adapter

TGA-100 Specifications

- PMC Form Factor
- PCI version 2.2 with full bus mastering and scatter/gather support
- Triple 8-bit palette DAC supports pixel rates up to 350MHz
- Two independent CRT controllers to support two asynchronous simultaneous display paths
- DDC1 and DDC2B+ for plug and play monitors
- Single channel 128-bit memory interface using SDRAM to build 64MB configurations (Operating frequency is 67MHz minimum to 183MHz maximum, SDR or DDR)
- Video Connectors: VGA Analog
  HD15
  DVI digital
- Shock (Operating): up to 40G @ 20 ms
- Vibration (Operating): 0.5g from 4 – 50Hz
  (Non-Operating) 1.0g from 4 – 50Hz
- Temperature Range (Operating): -5 - 55°C
- Temperature Range (Non-Operating): -40 - 85 °C
- Humidity: 10 – 95% non-condensing
- Power Reqts.: +5V (± 5%) @ 1.2 Amps maximum
- Power Consumption: 6Watts
- Dimensions (HxD): 2.952” (75mm) x 5.905” (150mm)
- Weight: approximately 3.5 oz.
- Operating resolutions – 640x480 to 1920x1200 (1280x1024 on DVI port)
- Solaris 8, 9, and 10 Operating Environment support
- Sun OpenGL for Solaris 1.3. and later

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