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Find the *Curtiss-Wright / DY-4 SPMC-702-025* at our website: ***Click HERE***

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PMC-702
Graphics Controller

Data Sheet (pdf)

Related Software
Card Level Diagnostics
OpenGL®/X Window System Driver

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PMC-702

The PMC-702 Graphics Controller (Trinity 2) is an industry-standard PCI Mezzanine Card (PMC) that is fully compliant with the requirements of standard IEEE 1386.1. It provides high performance synthetic graphical output capabilities for applications requiring a visual Human Machine Interface. It also provides analog and digital video capture, extensive analog and digital output capabilities, and video synchronization capabilities. Functionally equivalent versions of the PMC-702 are available for application in a variety of situations from air-cooled laboratories, to challenging ground, naval, or avionics environments.

The PMC-702 embodies the COTS philosophy in the silicon technology it uses and in the software standards it implements. An industry-standard, high performance X11/OpenGL programming interface is provided to run on an advanced OpenGL-oriented 3D graphics acceleration chip.

PMC-702 is targeted at applications requiring the high-speed presentation of synthetic graphics generated programmatically on a Single Board Computer (SBC) where these must be fused with such sensor data as live video, where a variety of video output formats are needed, or where it is desired to synchronize the output of the card with other video sources.

Trinity 2 Logo

FEATURES:

- Permedia®3 graphics accelerator featuring hardware anti-aliasing and OpenGL® acceleration
- 32 Mbytes of graphics memory
- 32 Mbytes of additional texture memory
- RGBHV non-interlaced analog outputs RGBHV interlaced analog output Sync on green capability
- latLink™ (5 LVDS pairs) digital video output (OpenLDI compatible)
- FlatLink (5 LVDS pairs) digital video capture (OpenLDI compatible)
- DVI digital video output
- 4 NTSC/PAL (including RS-170) video capture inputs
- External sync input
- Dy 4 Systems X11™/OpenGL
- Diagnostic software support
- PCI Rev 2.1 compliant, 32bit 33/66 MHz capable
- Available in the full range of Dy 4 ruggedization levels, both air-cooled and conduction-cooled

Complete specifications for all products can be found in our catalog, which you can obtain by making a literature request.

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