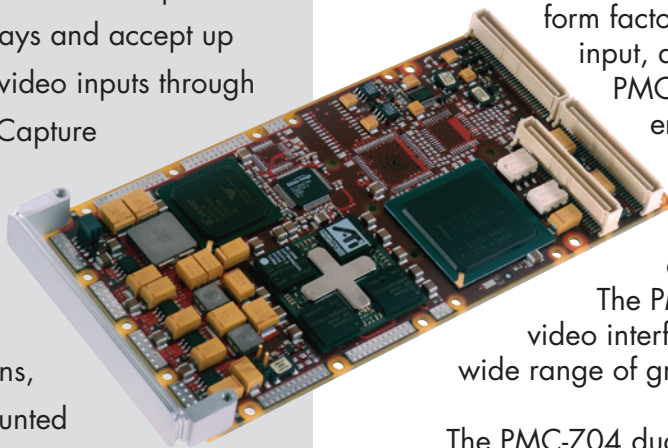




SPMC/DPMC-704

Dual Independent Graphics Input/Output PMC

The PMC-704 can drive two independent digital/analog displays and accept up to two independent video inputs through our onboard Video Capture and Format (VCF) module. The PMC-704 is suited for a wide range of Mil/Aero applications, including helmet mounted displays, head down displays, target acquisition systems, moving map displays, etc., and is available in a full range of ruggedization levels.



The PMC-704 is a PCI Mezzanine Card (PMC) form factor, ruggedized, high-performance, dual input, dual output, graphics controller. The PMC-704 provides a platform for customers to design, develop and deploy high-performance graphics sub-systems capable of supporting synthetic graphics combined with analog and digital video capture and overlay. The PMC-704 supports legacy and modern video interfaces, making it an ideal solution for a wide range of ground, naval and avionics platforms.

The PMC-704 dual input/dual output graphics controller, and PMC-706 dual output graphics controller, are the first rugged Mil/Aero COTS PMCs to make use of the industry leading ATI MOBILITY RADEON™ 9000 (M9) Visual Processing Unit. This high performance graphics controller allows customers to leverage ATI's 18 years of experience in developing and producing graphics controllers for the embedded, mobile and desktop markets.

For more information on our broad range of high-integrity computing solutions, please visit our website at www.cwembedded.com.

**CURTISS
WRIGHT** **Controls**
Embedded Computing

SPMC/DPMC-704

Dual Independent Graphics Input/Output PMC

Features

- ◆ ATI Technologies MOBILITY RADEON™ 9000 Visual Processor Unit with:
 - 64 Mbytes integrated high-speed DDR SDRAM and dual analog outputs
 - Integrated NTSC/PAL, TMDS, LVDS video output
 - Hardware OpenGL acceleration
- ◆ Dual independent video capture capabilities
 - Dual Analog Capture
 - ◆ Selectable NTSC, PAL, RS-170 and S-Video
 - ◆ RGB analog capture including RS-343, RS-170, STANAG 3350 Class A, B, C and VGA
 - LVDS digital capture
 - ◆ OpenLDI
 - ◆ FlatLink
- ◆ Dual independent analog and digital video output capabilities
 - NTSC, PAL, RS-170, RS-343, STANAG 3350 Class A, B, C and S-Video
 - Non-interlaced analog
 - LVDS supporting OpenLDI and FlatLink
 - DVI / TMDS
- ◆ External sync input support (Genlock)
- ◆ Analog outputs support separate horizontal and vertical, composite or sync on red/green/blue
- ◆ Video Capture and Format (VCF) module for custom video mode support
- ◆ Comprehensive Graphics Software Suite Comprising
 - Optimized full X11 Server, X Extensions
 - Optimized OpenGL 1.3 driver
 - Extensive video capture and output mode support
 - Host development support for MS Windows NT/2000 and Solaris (SPARC)
- ◆ Comprehensive Operating System support
 - Wind River VxWorks
 - Green Hills INTEGRITY
 - Linux, LynxOS (call for availability)
- ◆ Available in a full range of ruggedization levels, both air and conduction cooled
- ◆ PCI rev 2.1 compliant 32-bit 33/66 MHz capable
- ◆ Voltage requirements: +5V and ± 12 V

