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Find the *Abaco Systems PMC-7463* at our website: ***Click HERE***

Embedded Systems

VMIPMC-7463

PMC DVI-I Video Adapter

- ***Front panel DVI-I connector provides both flat panel and VGA support***
- ***16 Mbyte integrated video DDR memory***
- ***NTSC video out***
- ***PCI Local Bus Specification Revision 2.2 compliant***
- ***32-bit 33/66 MHz PCI bus interface***
- ***5 V tolerant PCI bus signaling operation***
- ***Drivers available for Windows® 2000 and Windows XP***

Functional Characteristics

Overview: The VMIPMC-7463 is a PMC-based DVI/SVGA video adapter. Ideal applications are cases where a high-end graphical display is required on a single board computer that provides a PMC site.

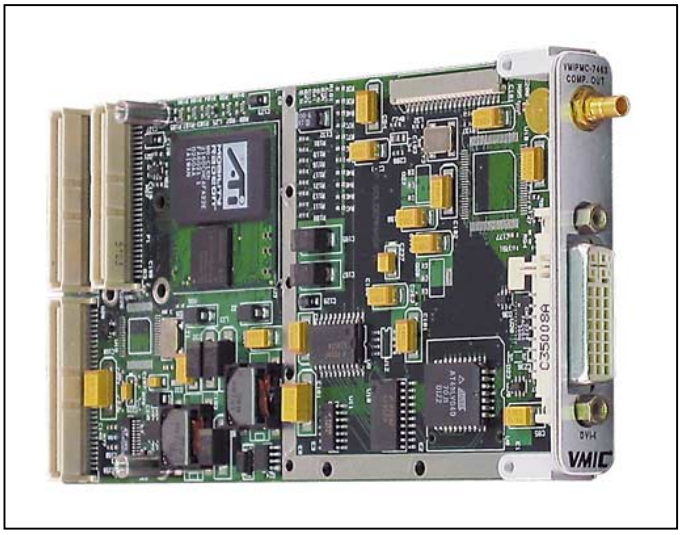
The VMIPMC-7463 uses the ATI M6-C16H video adapter to provide high quality PCI-based video support. The M6-C16H provides 16 Mbyte of internal video DDR memory to allow 32-bit true color support of high graphics resolutions. Video resolutions supported by the graphics adapter are shown in the following table.

Table 1. Video Resolutions Supported

Screen Resolution	Colors (bpp)*	Refresh Rate (Hz)
640 x 480	32 bpp	160, 120, 100, 90, 85, 75, 72, 60
800 x 600	32 bpp	160, 120, 100, 90, 85, 75, 72, 70, 60
1,024 x 768	32 bpp	120, 100, 90, 85, 75, 72, 70, 60
1,280 x 1,024	32 bpp	120, 100, 90, 85, 75, 70, 60
1,600 x 1,200	32 bpp	100, 85, 75, 60

*bpp = bits per pixel.

Digital Visual Interface (DVI): The VMIPMC-7463 has a digital visual interface (DVI) located on the front panel that provides both a high speed digital video connection and legacy analog (VGA) connection. DVI supports a single transition minimized differential signal (TMDS) link allowing for flat panel resolutions up to 1,600 x 1,200. DVI also supports the VESA display data channel (DDC) and extended display identification data (EDID) specification, which allows for varying display device parameters such as timing, resolution and color depth to be accommodated. For legacy VGA support, an adapter is required to convert the DVI-I connector to a DB15HD female connector.



PMC: Universal PMC signaling

DVI-I: Digital visual interface

NTSC Video Out: 75 Ω mini-SMB connector

Physical/Environmental Specifications

Operating Temperature Range: 0 °C to 60 °C

Storage Temperature Range: -40 °C to 80 °C

Relative Humidity: 10% to 90%, noncondensing, recommended operating range

Ordering Options							
August 16, 2004 800-757463-000 F		A	B	C	D	E	F
VMIPMC-7463	–	0	0	0	0	0	

A = 0 (Options reserved for future use.)
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Electrical Characteristics

Power: 3.3 V, TBD maximum current

PMC Signaling: 5 V tolerant

Trademarks

Windows is a registered trademark of Microsoft Corporation. Other registered trademarks are the property of their respective owners.

Embedded Systems

GE Fanuc Embedded Systems Information Centers

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Huntsville, AL	***1 800 322-3616***
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Additional Resources

For more information, please visit the GE Fanuc Embedded Systems web site at:

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