cPCI Dual Channel DVI/VGA with HDMI Video/Audio

CP341

vadatech
THE POWER OF VISION

KEY FEATURES

- Based on ATI graphics processor chipset
- Provides two separate high-performance Dual DVI or VGA Channels
- HDMI Connection for 480p, 720p, and 1080i
- PCI-X 32 bit @ 133Mhz
- Compact PCI compliant
- Front/Rear I/O option
- 3U cPCI with option for 6U front panel
- Support of the latest high-resolution and wide-screen displays such as QXGA (2048x1536) @ 75Hz, 2560x1600 @ 60Hz
- 128MB of GDDR3 Memory
- Analog Displays (VGA) 2048 x 1536
- Optimized for DirectX 10
- HDMI with Multi-channel 5.1 surround audio
- RoHS compliant
- OS support for:
  - — Linux
  - — Windows
  - — Solaris
  - — VxWorks

The CP341 is VadaTech second generation graphic module. Designed to meet the high performance real-world graphics needs of Military, Industrial and Telecom applications. The CP341 is one of the fastest and most advanced, high-performance 2D and 3D graphics processors available for the cPCI embedded market.

The board features ATI's graphics processor chipset which provides dual-channel DVI/VGA and HDMI Video/Audio support with up to 128Mbytes of GDDR3 memory. The display mode supports high screen resolutions up to 2560x1600 @ 60 Hz.

The CP341 is Compact PCI compliant and is available in 3U or 6U. I/O connectivity is via dual DVI-I front/rear panel connector. The rear option comes with the rear transition.

The CP341 is not PCI +5V signaling compatible.

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).

VadaTech Incorporated • 11540 South Eastern Avenue, Henderson, NV 89052 • Tel: (702) 896-3337 • Fax (702) 896-0332
Email: info@vadatech.com • www.vadatech.com

SPECIFICATIONS

Architecture		
Physical	**Dimensions**	3U cPCI, option for 6U front panel
		Width: 3.94in
		Depth: 6.37
Type	**cPCI Video**	Dual DVI (HDMI) or VGA Video Adapter
	Dual Ports	Dual ports DVI-I with front rear/option
	Video Resolution	Screen resolutions up to 2560x1600 @ 60 Hz
	Memory	128 MB of GDDR3 memory
Standards		
Compact PCI	**Type**	cPCI
Module Management	**IPMI**	None
PCI-X	**Speed**	133Mhz
Configuration		
Power	**CP341**	7W
Environmental	**Temperature**	Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 200 LFM)
		Storage Temperature: -40° to +90° C
	Vibration	1G, 5-500Hz each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	**Interface Connector**	Dual DVI-I connectors front option
		Dual DVI-I connector rear option
	LEDs	PCIe lane good and power fail
	Mechanical	Hot Swap Ejector Handle
Software Support	**Operating Systems**	Linux, Windows, Solaris and VxWorks
Other		
MTBF	MIL 217-F TBD Hrs.	
Certifications	Designed to meet FCC, CE and UL certifications where applicable	
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards	
Compliance	RoHS and NEBS	
Warranty	Two (2) years	
Trademarks and Logos	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners.AdvancedMC™ and the AdvancedTCA™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.	
Notes	1. DVI-I to HDMI adapter can be ordered separately.	

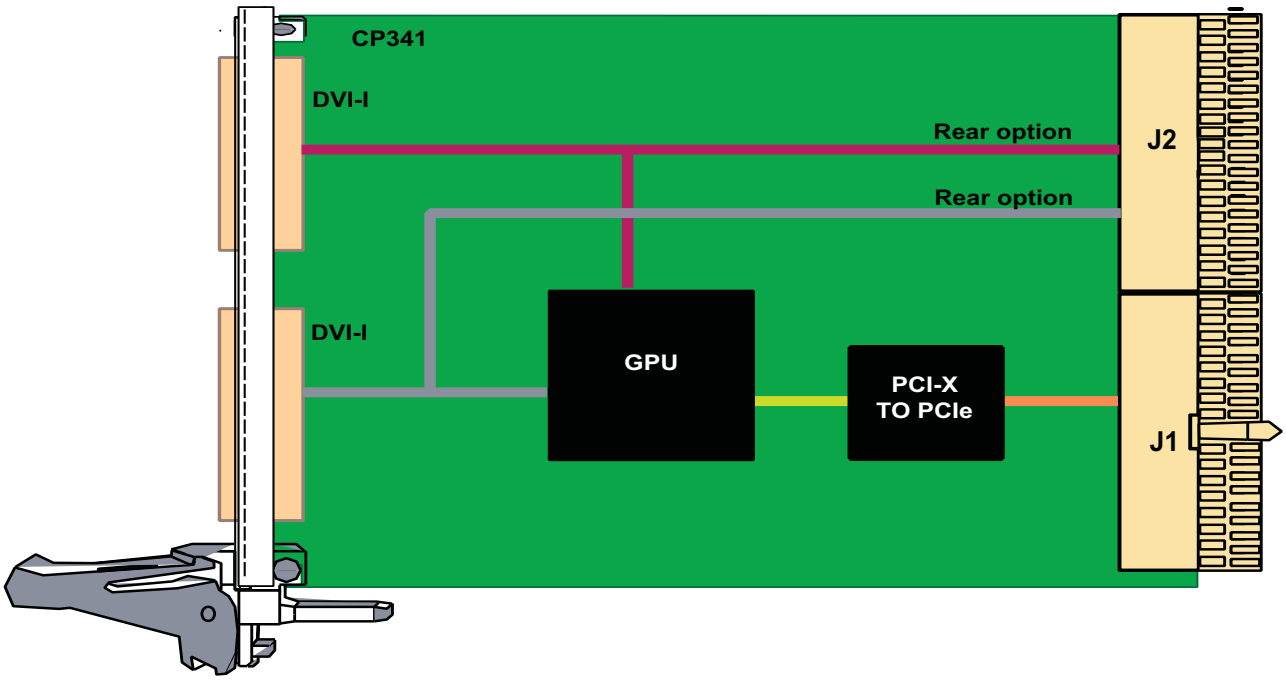
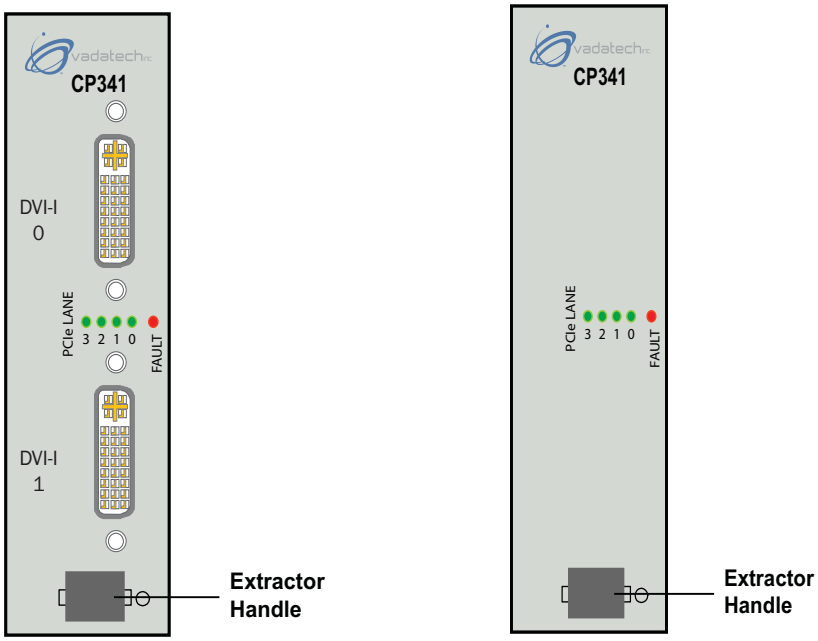


FIGURE 1. CP341 Functional Block Diagram

FIGURE 2. CP341 Front panel options for the front or rear I/O



ORDERING OPTIONS

CP341 - ABC - D00 - 00J

A = Memory

1 = 128 MB GDDR3

B = Front/Rear I/O

1 = Front
2 = Rear*

C = Front/Rear panel

1 = 3U
2 = 6U

D = HDMI Adapter

0 = None
1 = DVI to HDMI

J = Conformal Coating

0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic

*The rear option comes with the rear transition module.

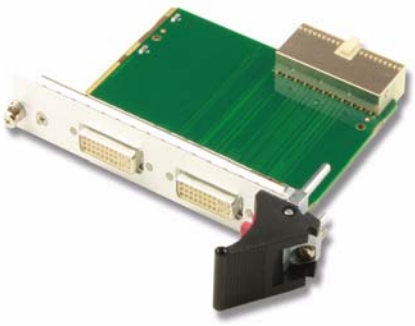


Photo of the Rear I/O Option

Document No_____ Date:. October 2008, Pass one

vadatech inc
THE POWER OF VISION