

## cPCI Dual Channel DVI/VGA with HDMI Audio/Video -CP341

cPCI Dual Channel DVI/VGA



### 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 @ 133 MHz
- Compact PCI compliant
- Front/Rear I/O option
- 3U cPCI with option for 6U front panel
- Support for high-resolution and wide-screen displays up to 1920x1200 @ 60 Hz
- 128 MB of GDDR3 Memory
- Analog Displays (VGA) 2048 x 1536
- Optimized for DirectX 10
- HDMI with Multi-channel 5.1 surround audio
- RoHS compliant

### Benefits of Choosing VadaTech

- Uses high performance ATI graphics processor
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- Full ecosystem of front and rear boards, enclosures, specialty modules, and test/dev products from one source
- AS9100 and ISO9001 certified company

The CP341 is VadaTech second generation graphic module. Designed to meet the high performance real-world graphics requirements 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 128 Mbytes of GDDR3 memory. The display mode supports high screen resolutions up to 1920x1200 @ 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 signalling compatible.

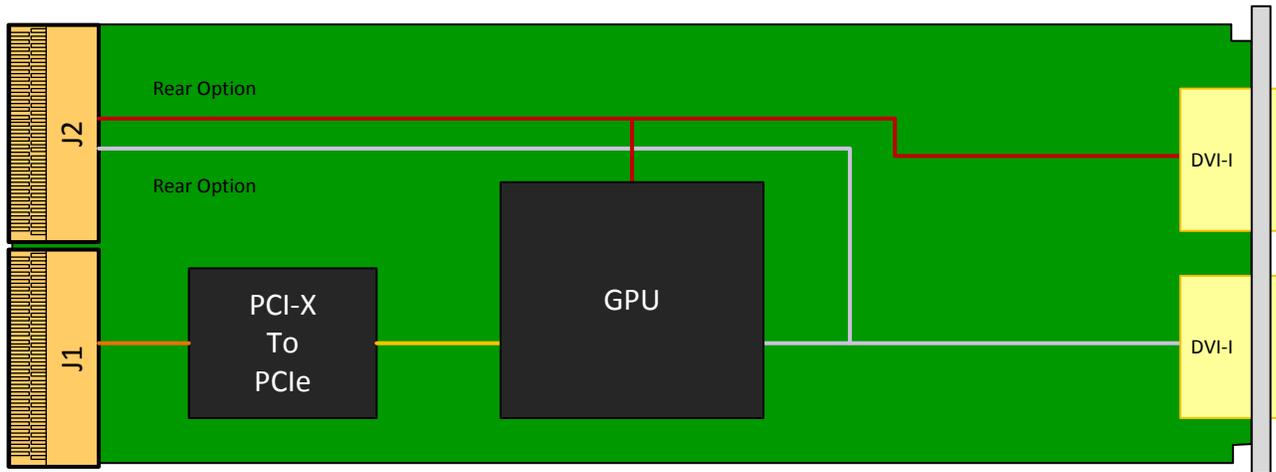
*VadaTech can modify this product to meet special customer requirements. Contact us to discuss your application.*

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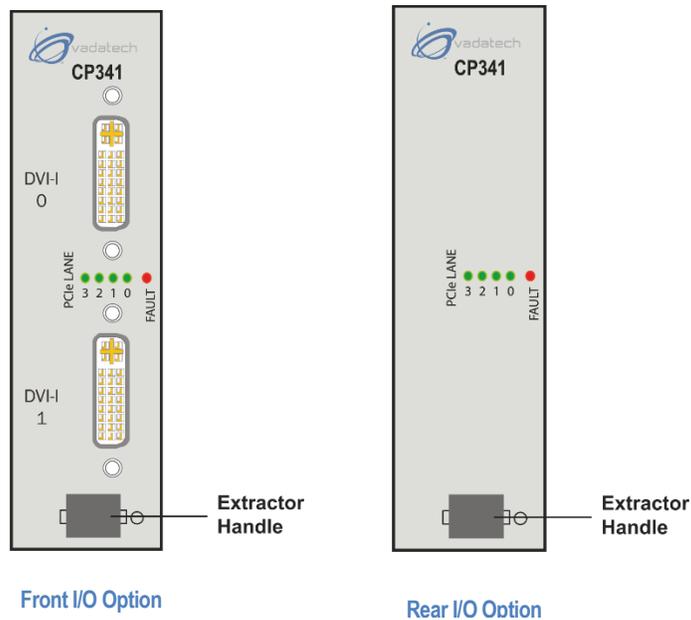
## INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and  $\mu$ TCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTM), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.

## BLOCK DIAGRAM



## FRONT PANEL



## SPECIFICATIONS

Architecture		
Physical	Dimensions	Width: 3.94" (100.07 mm)
		Depth 6.37" (161.79 mm)
		3U cPCI, 6U option available
Type	cPCI	Dual DVI (HDMI) or VGA video adapter
	Dual Ports	Dual ports DVI-I with front and rear options
	Video Resolution	Up to 1920x1200 @ 60 Hz
	Memory	128 MB GDDR-3
PCI-X	Speed	133 MHz
Standards		
Compact PCI	Type	cPCI
Module Management	IPMI	None
Configuration		
Power	CP341	7 W
Environmental	Temperature	Operating Temperature: 0° to 65°C (air flow greater than 200 LFM)
		Storage Temperature: -40° to +90°C
	Vibration	Operating 9.8 m/s <sup>2</sup> , 1G, 5 to 500Hz on each axis
	Shock	Operating 30G on each axis
	Relative Humidity	5 to 95 per cent, non-condensing
Front Panel	Interface Connectors	Dual DVI-I connectors front option or dual DVI-I connectors rear option
	LEDs	PCIe lane good and power fail
	Mechanical	Hot swap ejector handle
Software Support	Operating System	Linux, VxWorks, Solaris and Windows
Other		
MTBF	MIL Handbook 217-F@TBD Hrs	
Certifications	Designed to meet FCC, CE and UL certifications where applicable	
Compliance	RoHS and NEBS	
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards	
Warranty	Two (2) years	
Trademarks and Disclaimer	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedTCA™ and the AdvancedMC™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice	

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## ORDERING OPTIONS

### CP341 – ABC – D00 – 00J

**A = Memory**

1 = 128 MB

**B = Front/Rear I/O**

1 = Front I/O

2 = Rear I/O\*

**C = Front Panel Height**

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 a rear transition module

## RELATED PRODUCTS



CP343 cPCI



ATC107 ATCA Carrier  
for cPCI Boards



CP217 24-Port  
Layer 2 Switch

## CONTACT US

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