PMC Carrier for VXS100

VXS102

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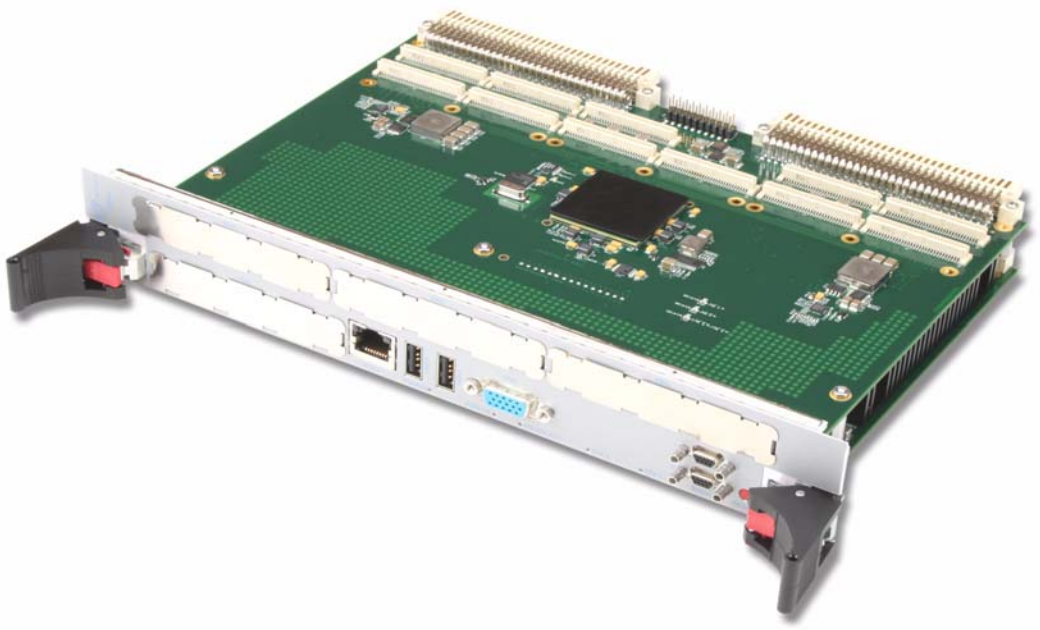

KEY FEATURES

- Provides three additional PMC slots
- Mates to VadaTech VXS100 module
- Two distinct PCI-X busses
- Each of the PCI-X busses runs at it's own clock speed
- PCIe x8 lane interface to the VadaTech VXS100 module (20Gb/sec)
- RoHS compliant

The VXS102 is a PMC carrier that interfaces to the VadaTech VXS100 module. The module provides three additional PMC slots to the VXS100 for a total four (including the PMC/XMC slot which is already on the VXS100 module).

The VXS102 has a PCIe x8 interface to the mated board. It provides two distinct PCI-X busses to the PMC slots. The first PCI-X bus runs at 133Mhz and connects to the first PMC slot. The second PCI-X bus runs at 100MHz and connects to the other two PMC slots. This bus isolation allows a mix of PMCs running at different bus speeds.

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

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SPECIFICATIONS

Architecture		
Physical	**Dimensions**	Width: 6.385in. (162.2 mm)
		Depth: 9.187in. (233.34 mm)
Type	**VXS**	6U VXS single slot with no interface to backplane (only power, ground and user I/O)
Standard		
VITA	**ANSI/VITA41**	VXS.0
Configuration		
Power	**VXS100**	4W without the PMC modules
Environmental	**Temperature**	Operating Temperature: 0° to 55° C (Air flow requirement is to be greater than 500 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
Software Support	**Operating Systems**	Linux, VxWorks and Solaris
Other		
MTBF	MIL Spec 217-F > 512,502 Hrs without the PMC module	
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	
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. All rights reserved. Specification subject to change without notice.	

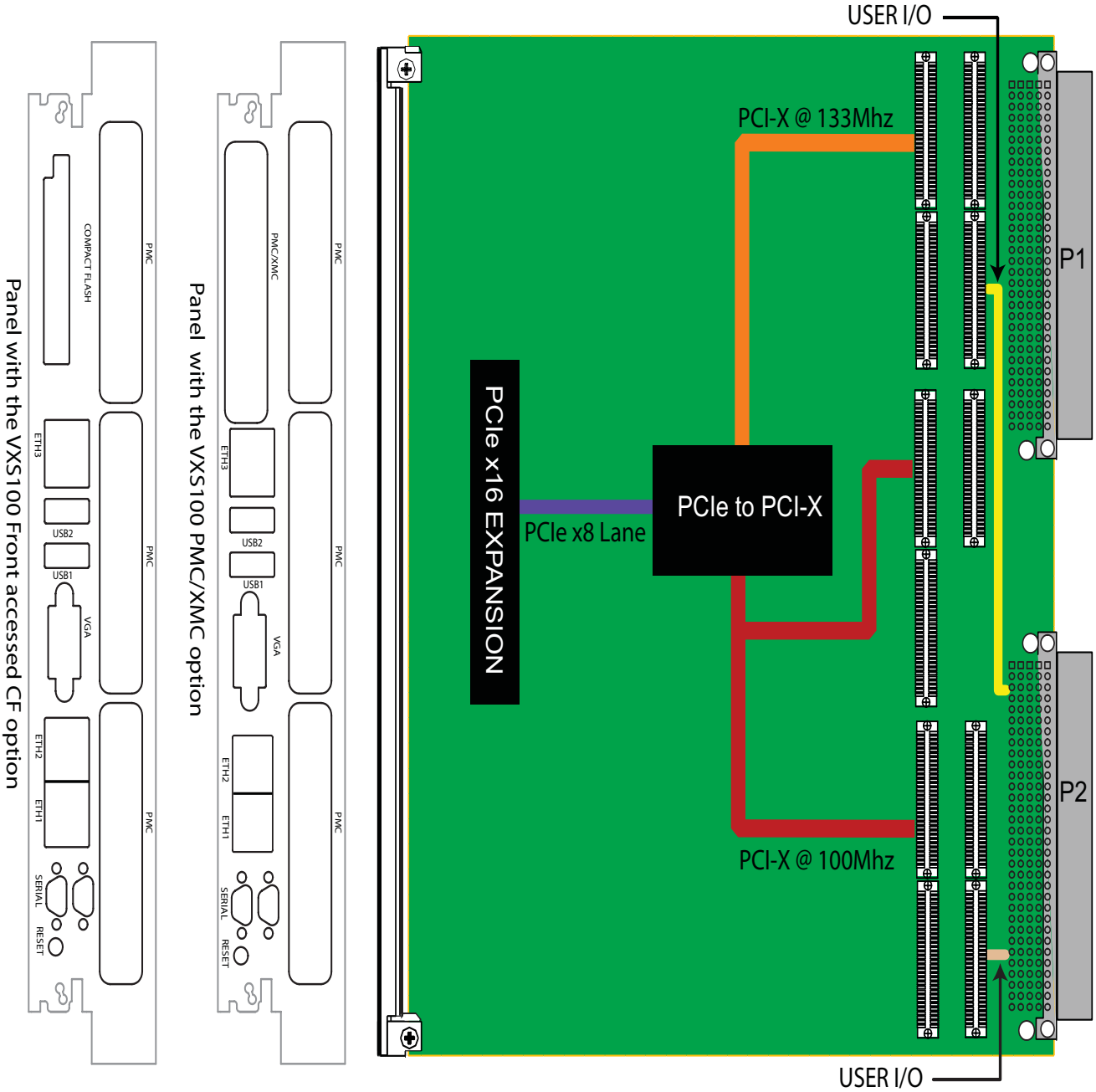

FIGURE 1. VXS102 Functional Block Diagram

ORDERING OPTIONS

VXS102 - 000 - 000 - 00J‡

J = Conformal Coating

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

NOTES

‡ VadaTech recommends that the VXS102 be ordered as part of a VXS100 configuration rather then ordering it standalone

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