PCI-X Carrier for AMC Modules

PCI102

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THE POWER OF VISION

KEY FEATURES

- Supports one AMC.1, AMC.2 or AMC.3
- PCIe x4 lanes to AMC
- Allows for AMC double-width modules to be tested
- PCI-X @133MHz
- Optional VT001 IPMI Management Controller
- AMC.2 GbE to RJ-45
- AMC.3 to SATA headers
- IPMI 2.0 compliant
- Connectors to access the I^2C bus
- Can run standalone without the host PC
- RoHS compliant

The PCI102 allows testing of AMC.1, AMC.2 and AMC.3 modules in a PC environment during development and manufacturing; reducing the costs associated with maintaining different platforms.

The PCI101 is a PCI-X edge style carrier with PCIe x4 lanes going to the AMC module. The AMC.1 module connects to the host PC's PCI-X bus via a PCI-X to PCIe bridge. The AMC.2 module's GbE ports are routed to RJ-45s. The AMC.3 differential pairs are routed to two SATA connectors. The PCI102 is available with an optional VT001 IPMI controller which can test the AMC IPMI management functionality. The dual I^2C bus connectors allow for connecting any I^2C bus to any other I^2C bus as well as being able to debug and monitor the I^2C bus traffic.

Provides two current sense resistors to measure the payload power as well as the management power of the AMC.

The PCI102 can be powered on the bench without the host PC.

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

AdvancedMC™

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SPECIFICATIONS

Architecture		
Physical	**Dimensions**	Full-size PCI-X bus format
		Width: 8.865 in. (225 mm)
		Depth: 12.284 (312mm)
Product	**PCIe Carrier**	Carrier for AMCs
Standards		
AMC	**Type**	AMC.1, AMC.2 and AMC.3
PCIe	**Lanes**	x4
PCI-X	**Type**	64-bit @ 133MHz
Configuration		
Power	**PCI102**	5 W including the VT001
Environmental	**Temperature**	Operating Temperature: 0° to 65° C
		Storage Temperature: -40° to +90° C
	Relative Humidity	5 to 95 percent, non-condensing
Interface Connectors	**Style**	AMC B
	AMC.1	To PCI-X to PCIe bridge
	AMC.2	To RJ-45 (through transceiver)
	AMC.3	To two SATA connectors
	IPMI Controller	VT001
Other		
MTBF	MIL Spec 217-F@ 205,000 Hrs. (without the Fan)	
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	
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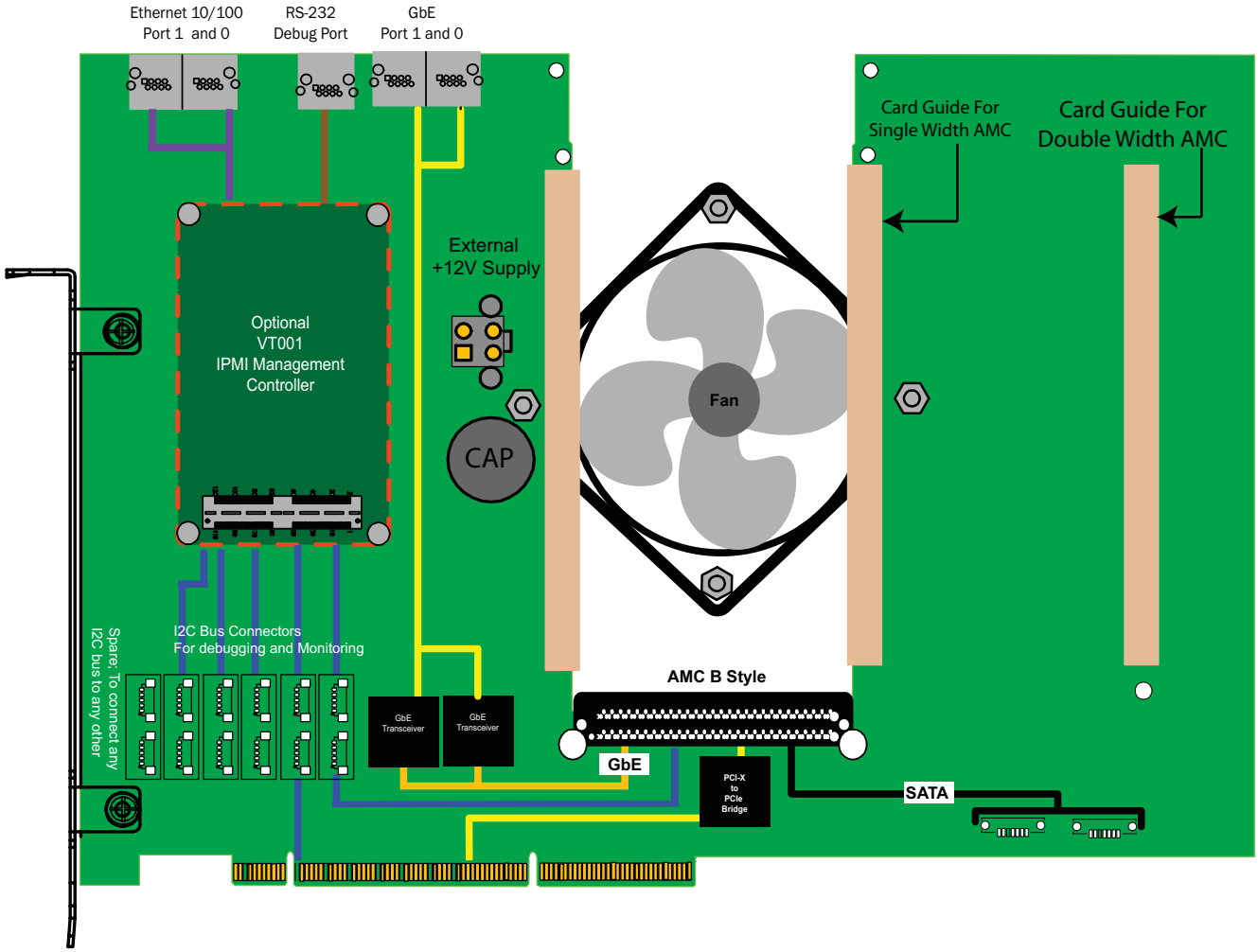

FIGURE 1. PCI102 Functional Block Diagram

ORDERING OPTIONS

PCI102 - A00 - 000 - 00J

A = IPMI Controller

0 = None
1 = With the VT001

J = Conformal Coating

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

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