AMC Site Carrier For PMC/PrPMC Modules

AMC100

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KEY FEATURES

- Support for PMC and PrPMC modules
- 64-bit PCI-X @133MHz
- AMC.1 and AMC.2 compliant
- PCIe x4 lanes
- Transparent or Non-Transparent operating modes
- PMC J4 connector routed to front panel Mini-SCSI type connector or Gigabit transceiver to AMC.2
- IPMI 2.0 compliant Module Management Controller (MMC)
- 32-bit IPMI RISC processor
- IEEE Std P1386.1-2001 (PMC) compliant
- ANSI/VITA 32-2003 (PrPMC) compliant
- RoHS compliant
- OS support for:
  - — Linux
  - — Windows
  - — Solaris
  - — VxWorks

The AMC100 is a double-width, full-height module based on the AMC.1 Specification. The AMC100 allows PMC or PrPMCs to be installed in an AMC slot. The PMC/PrPMC PCI-X bus runs at 133MHz. The J4 connector of the PMC/PrPMC is routed to the front panel of the AMC module. For PMCs and PrPMCs that are PICMG 2.15 compliant, the Gigabit Ethernet ports are routed to the AMC connector per the AMC.2 specification. This modular approach allows an AdvancedTCA chassis to utilize the large numbers of PrPMC modules as well as PMC I/O modules that are available in the market. The AMC100 can be configured to run in non-transparent, transparent or root complex mode.

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

AdvancedMC™

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AMC Site Carrier For PMC/PrPMC Modules

SPECIFICATIONS

Architecture		
Physical	**Dimensions**	Double-Width, Full-Height
		Width: 5.85 in. (148.5 mm)
		Depth: 7.11 in. (180.6 mm
Product Type	**AMC Carrier**	AMC site carrier for PMC/PrPMC modules
Standards		
AMC	**Type**	AMC.1 and AMC.2
Module Management	**IPMI**	IPMI Version 2.0
PCIe	**Lanes**	x4
Configuration		
Power	**AMC100**	3 Watts without PMC/PrPMCs
	PMC/PrPMC Power	+3.3V @ 5A
		+5V @ 5A
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 Connectors**	Mini SCSI Type Connector
	LEDs	IPMI Management Control
		PCIe x4 lanes
		Ethernet activity
	Mechanical	Hot Swap Ejector Handle
Software Support	**Operating Systems**	Linux, Windows, Solaris and VxWorks
Other		
MTBF	MIL Spec 217-F > 248,000 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	PICMG 2.15, IEEE Std P1386.1-2001(PMC), ANSI/VITA 32-2003 (PrPMC), AMC.1, AMC.2 Specifications, RoHS and NEBS	
Warranty	Two (2) years	
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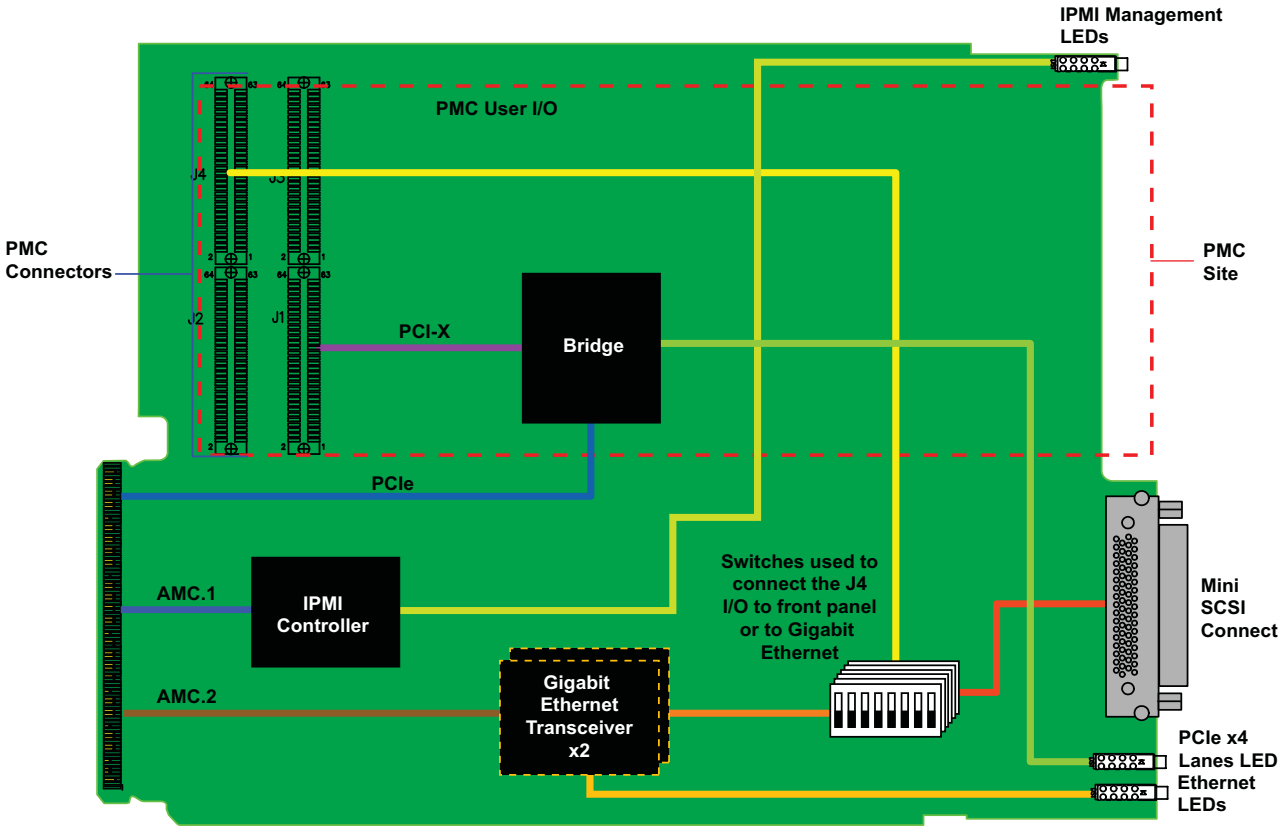

FIGURE 1. AMC100 Functional Block Diagram

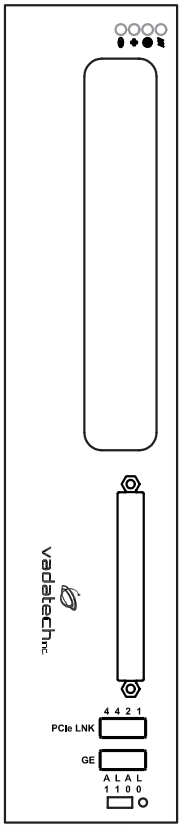

FIGURE 2. AMC100 Front Panel

ORDERING OPTIONS

AMC100 - 00C - 000 - 00J

J = Conformal Coating

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

C = Front Panel Height

0 = Full-height
1 = Mid-height

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