



KEY FEATURES

- AdvancedTCA 3.0 Release 2.0 compliant
- Supports two PCI-X edge style cards
- 64-bit @ 133 Mhz
- Dedicated PCI-X bus for each slot
- PCIe up/downstream to ATC114/ATC115/ATC/ATC117/118, PCI113 or AMC113 via the front or rear
- Adjustable hold down brackets to hold the PCI module down
- PCIe Front panel up/down stream via QSFPPort (Copper or Fiber cable)
- IPMI Version 2.0 compliant
- RoHS compliant
- OS Independent

The ATC118 is the VadaTech next generation Advanced Telecom Computing Architecture (AdvancedTCA) carrier which allows for the integration of two PCI-X cards into the AdvancedTCA environment.

The two PCI-X slots are independent and can run at different speeds. The ATC118 has a PCIe up/down port to interface to other Blades or VadaTech products, such as the ATC114/ATC115/ATC116/118/119, PCI113 or AMC113. This modular approach allows widely available PCI-X form factor boards to be integrated into an ATCA chassis.

The IMPI management implements FRU management, thermal, E-keying, etc.

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

AdvancedTCA®

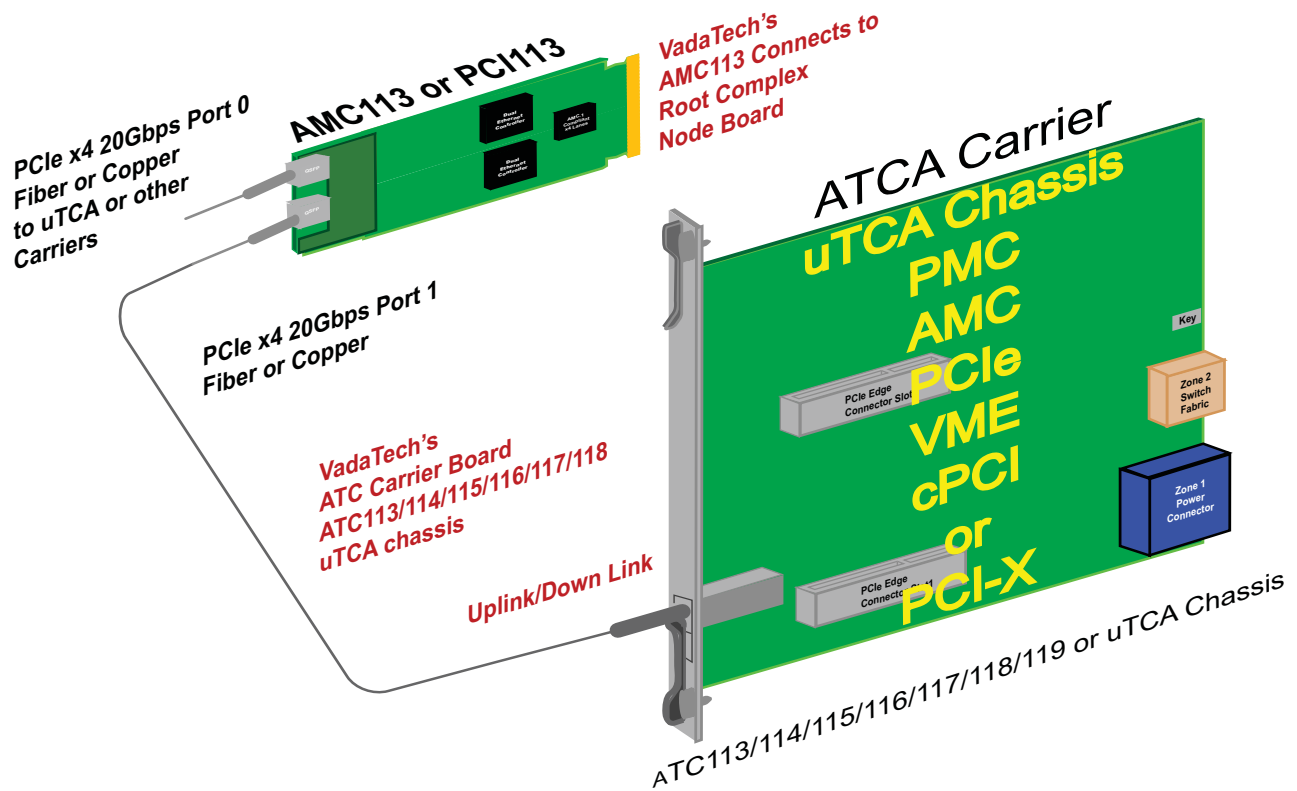
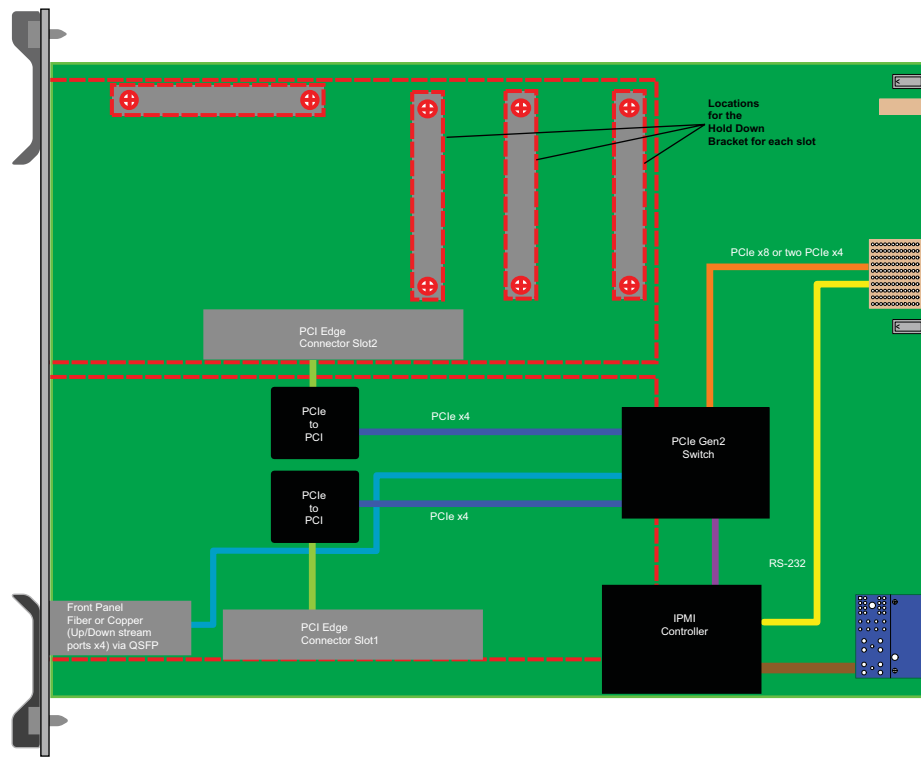
ATCA Carrier for Two PCI-X Modules

SPECIFICATIONS

Architecture		
Physical	Dimensions	Width: 12.687in. (322.25 mm)
		Depth: 11.024 in. (280 mm)
Type	ATCA Carrier	Two PCI-X slots, dedicated PCI-X bus for each slot
Standard		
PCI-X	Type	64-bit @ 133MHz
PCIe	Lanes	48 Lanes
PICMG	ATCA	PICMG 3.0 R2.0
Module Management	IPMI	IPMI Version 2.0
Configuration		
Power	ATC118	10W with no PCI-X cards installed
		Up to 150 watts is available for the PCI cards
Environmental	Temperature	Operating Temperature: 0° to 60° 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
Expansion	Relative Humidity	5 to 95 percent, non-condensing
	PCIe	Expansion to other ATC114/118 AMC113 or the PCI113
Front Panel	Interface Connectors	Front panel QSFP (Fiber or Copper) connectors for PCIe up/downstream
	LEDs	IPMI Management Controller PCIe Lane Good
	Mechanical	Hot Swap Ejector Handle
Software Support	Operating Systems	OS Independent
Other		
MTBF	MIL Handbook 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. 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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FIGURE 1. ATC118 Functional Block Diagram and typical application (the module could run standalone)



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ORDERING OPTIONS

ATC118 - 000 - 000 - G0J

G = Customer specific

- 0 = None
- 1 = Reserved
- 2 = Reserved

J = Conformal Coating

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



Document No _____ Date: January 2009, Pass two