ATCA Carrier for Two PCIe Gen2 Modules

ATC115

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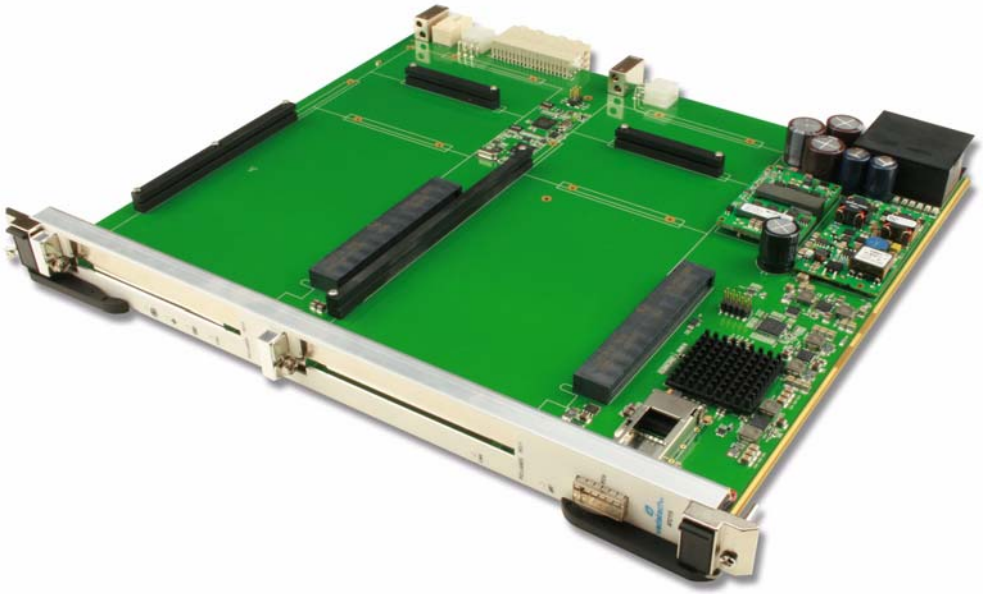

KEY FEATURES

- AdvancedTCA 3.0 Release 2.0 compliant
- Supports two PCIe edge style cards
- PCIe Gen2 x16 Lane to each PCIe modules
- PCIe up/downstream to ATC114/ATC115/ATC/ATC117/118, PCI113 or AMC113 via the front or rear
- Adjustable hold down brackets to hold the PCIe module down
- PCIe Front panel up/down stream via QSFP (Copper or Fiber cable)
- IPMI Version 2.0 compliant
- RoHS compliant
- OS Independent

The ATC115 is the VadaTech next generation Advanced Telecom Computing Architecture (AdvancedTCA) carrier which allows for the integration of two PCIe cards into the AdvancedTCA environment.

The two PCIe slots are independent . The ATC115 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 PCIe 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®

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SPECIFICATIONS

Architecture		
Physical	**Dimensions**	Width: 12.687in. (322.25 mm)
		Depth: 11.024 in. (280 mm)
Type	**ATCA Carrier**	Two PCIe slots
Standard		
PCIe	**Lanes**	48 Lanes of PCIe Gen2
PICMG	**ATCA**	PICMG 3.0 R2.0
Module Management	**IPMI**	IPMI Version 2.0
Configuration		
Power	**ATC115**	10W with no PCIe cards installed
		Up to 150 watts is available for the PCIe 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
	Relative Humidity	5 to 95 percent, non-condensing
Expansion	**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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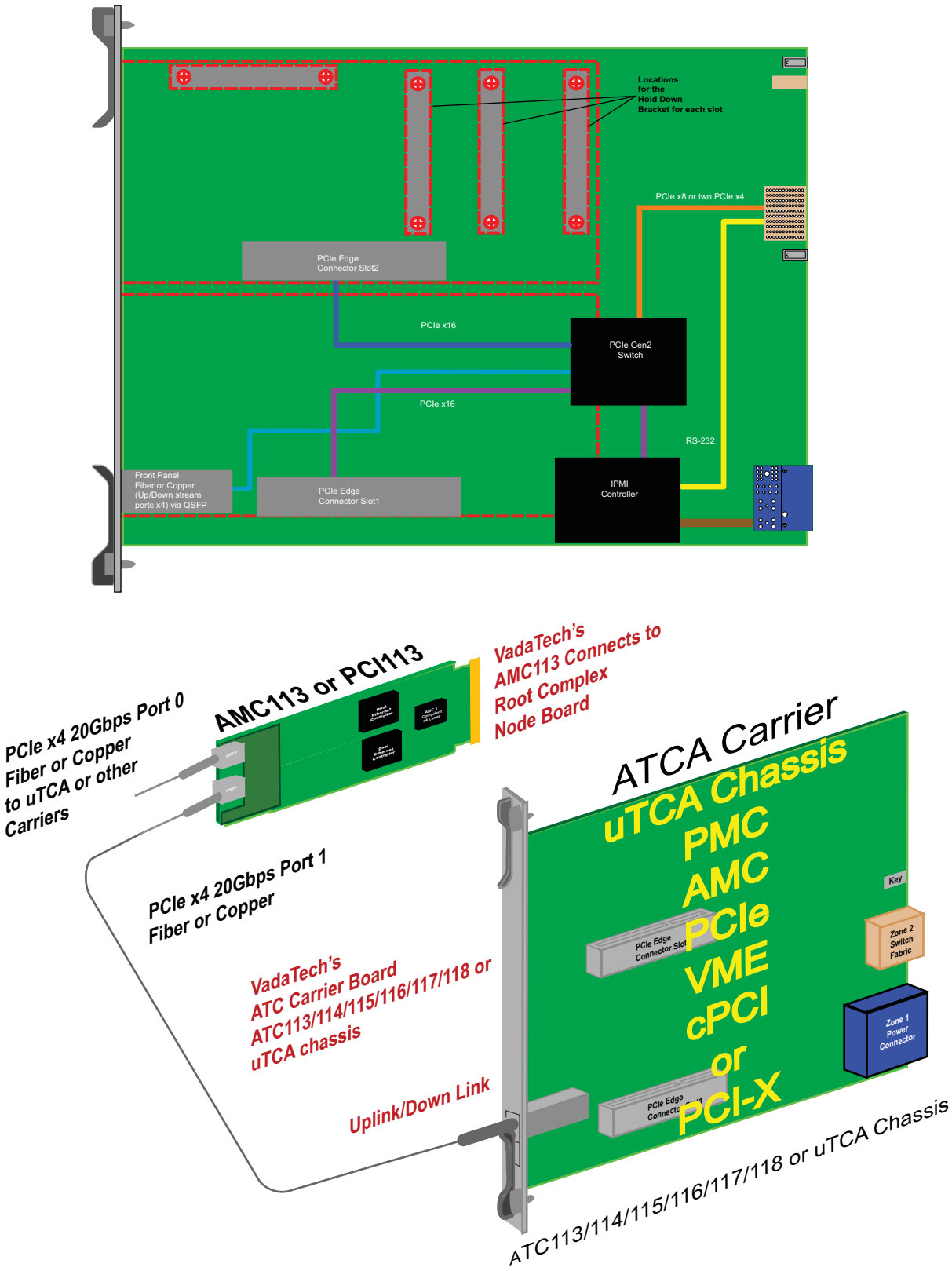
FIGURE 1. ATC115 Functional Block Diagram and typical application (the module could run standalone)



ORDERING OPTIONS

ATC115 - A00 - 000 - G0J

A = QSFP+ Transceiver

0 = None
1 = QSFP+ Transceiver installed

G = Customer specific

0 = None
1 = Reserved
2 = Reserved

J = Conformal Coating

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

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