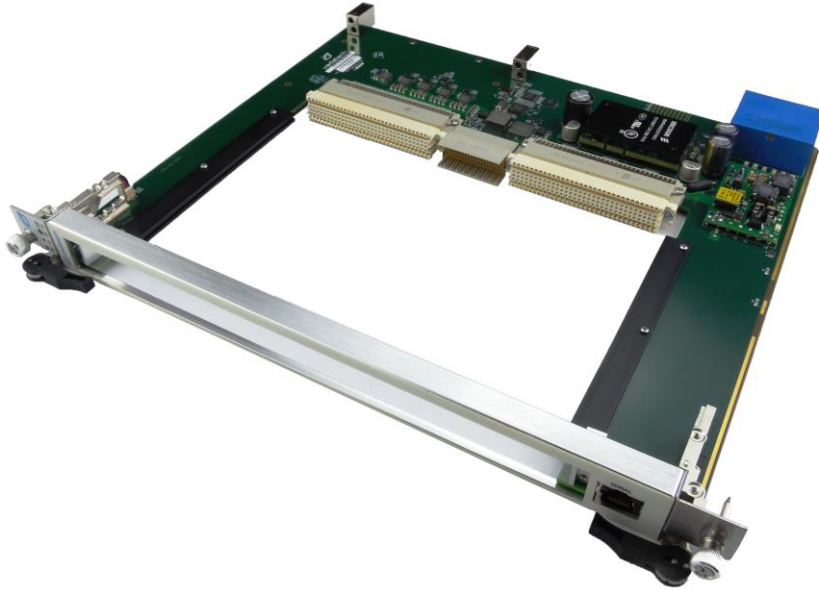# ATC116 – ATCA Carrier for VME Board

ATCA Carrier for VME

KEY FEATURES

- AdvancedTCA 3.0 Release 2.0 compliant
- VME System Controller or Peripheral slot (master or slave)
- P1, P2 and P0 connectors
- IPMI Version 2.0 compliant
- PCIMG 3.0 Base interface
- RoHS compliant

AdvancedTCA®

Benefits of Choosing VadaTech

- Robust, field-proven IPMI infrastructure
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

The ATC116 provides a versatile and compact solution for integrating standard and legacy I/O into AdvancedTCA systems, by providing a next generation ATCA carrier that hosts any single-slot VMEbus board via a VME64x interface.

The ATC116 modular approach allows an AdvancedTCA chassis to integrate widely available VMEbus form factor boards into an ATCA chassis.

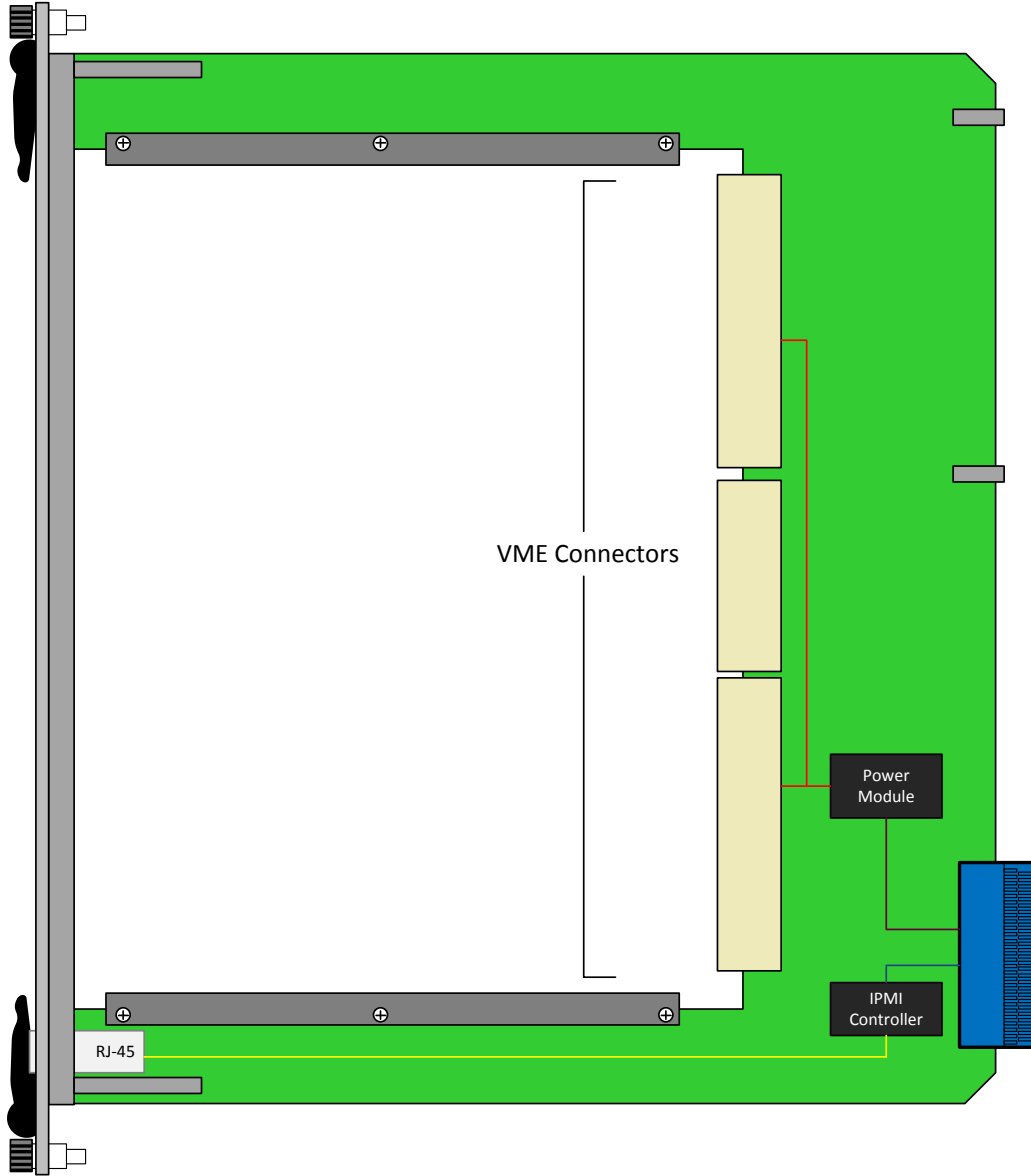The ATC116 provides only power and the necessary control pins to allow the VME module to be powered up.

ATC116 – ATCA Carrier for VME Board

BLOCK DIAGRAM

Figure 1: ATC116 Functional Block Diagram

FRONT PANEL

Figure 2: Front Panel

ATC116 – ATCA Carrier for VME Board
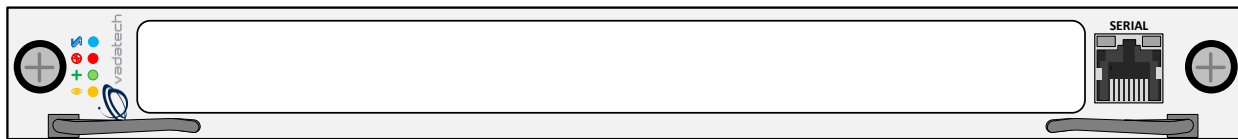
SPECIFICATIONS

Architecture			
Physical	Dimensions	Width: 12.687" (322.25 mm)	
		Depth: 11.024" (280 mm)	
Type	ATCA Carrier	VME64x VMEbus board (2eSST compatible)	
Standards			
VME	Type	VITA 1.5-199x 2eSST	
Module Management	IPMI	IPMI version 2.0	
PICMG	ATCA	PICMG 3.0 R2.0	
Configuration			
Power	ATC116	10 W without VME board	
		Additional 150 W available for the VMEbus Boards	
Environmental	Temperature	Operating Temperature: -5° to 60°C (Air flow requirement is to be greater than 200 LFM)	
		Storage Temperature: –40° to +90°C	
	Vibration	1 G RMS, 5 to 500 Hz on each axis	
	Shock	30 Gs on each axis	
	Relative Humidity	5 to 95 per cent, non-condensing	
Front Panel	Ports	Serial via RJ-45	
	LEDs	IPMI	
	Mechanical	Hot swap ejector handle	
Rear I/O	Zone 2	None	
	Zone 3	None	
Software Support	Operating System	Linux, Windows, Solaris and VxWorks	
Conformal Coating		Humiseal 1A33 Polyurethane (Optional)	
		Humiseal 1B31 Acrylic (Optional)	
Other			
MTBF	MIL Handbook 217-F@ 260,000 Hrs		
Certifications	Designed to meet FCC, CE and UL certifications where applicable		
Compliance	PICMG 3.0 Rev 3.0, RoHS 2, NEBS		
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards		

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and µTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTM), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.

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ORDERING OPTIONS

ATC116 – 000 – 000 – 00J

J = Conformal Coating
0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic

RELATED PRODUCTS

VT830 6U ATCA SlotSaver Chassis

ATC118 ATCA Carrier for Two PCI-X Modules

ATC115 ATCA Carrier for PCIe Gen2

CONTACT US

VadaTech Corporate Office

198 N. Gibson Rd.
Henderson, NV 89014
Email: info@vadatech.com
Telephone: (702) 896-3337
Fax: (702) 896-0332

Asia Pacific Sales Office

7th Floor, No. 2, Wenhu Street, Neihu District, Taipei City,Taiwan11445
Email: info@vadatech.com
Telephone: +886-2-2627-7655
Fax: +886-2-2627-7792

VadaTech European Sales Office

Ocean Village Innovation Centre, Ocean Way, Ocean Village, Southampton, SO14 3JZ
Email: info@vadatech.com
Telephone: +44 2380 381982
Fax: +44 2380 381983

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www.vadatech.com

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info@vadatech.com