ART132A

ATCA Rear Transition (ART) Module for VadaTech ATC132 AMC Carrier

ART132A

Key Features

- AdvancedTCA RTM for VadaTech ATC132 AMC Carrier
- Dual GbE 10/100/1000Base-T
- RS-232 ports from the ATC132 module
- 10/100 Ethernet from the ATC132 Out Of Band (OOB)
- IPMI 2.0 compliant

Benefits

- Expertise in RTM design
- Full ecosystem of AdvancedTCA switches, processors, chassis platforms, and specialty blades
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- AS9100 and ISO9001 certified company

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ART132A

The ART132A is an I/O expansion ATCA Rear Transition Module (ARTM) that provides dual GbE, RS-232 and OOB port for the VadaTech ATC132. The module is designed to mate with the VadaTech ATC132 AMC Carrier.
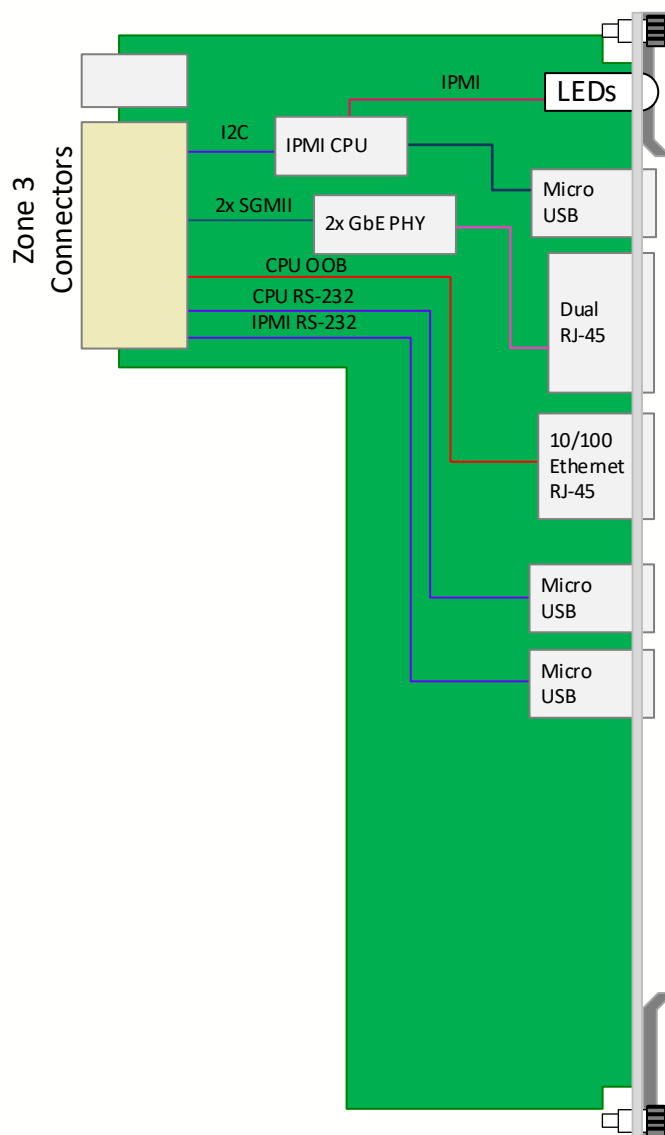
Figure 1: ART132A

Figure 2: ART132A Front View

ART132A – ATCA Rear Transition Module for ATC132 AMC Carrier

Block Diagram

Figure 3: ART132A Functional Block Diagram

ART132A – ATCA Rear Transition Module for ATC132 AMC Carrier

Specifications

Architecture		
Physical	**Dimensions**	Weight: 0.8 lbs (362.87 g)
		Width: 12.69" (322.25 mm)
		Depth: 3.7" (94 mm)
Type	**ATCA RTM**	I/O module for the VadaTech ATC132 AMC Carrier
Standards		
PICMG	**ATCA**	PICMG 3.0 revision 2.0
Module Management	**IPMI**	IPMI version 2.0
Configuration		
Power	**ART132A**	~4 W
Environmental	**Temperature**	Operating temperature: -5° to 55° C (65°C for limited time, performance restrictions may apply), industrial and extended versions also available (See environmental spec sheet)
		Storage Temperature: –40° to +90°C
	Vibration	Operating 9.8 m/s^2 (1G), 5 to 500Hz on each axis
	Shock	Operating 30G on each axis
	Relative Humidity	5 to 95 per cent, non-condensing
Front Panel	**Interface Connectors**	Dual GbE 1000BASE-T to the ATC132 Switch
		Triple RS-232 port and 10/100 Ethernet OOB to the ATC132 CPU
	Mechanical	Hot swap ejector handle
Software Support	**Operating System**	Agnostic
Conformal Coating		Humiseal 1A33 Polyurethane (Optional)
		Humiseal 1B31 Acrylic (Optional)
Other		
MTBF		MIL Hand book 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
Warranty		Two (2) years

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.
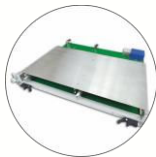
Ordering Options

ART132A – 000-000-00J

		J = Temperature Range and Coating
		0 = Commercial, No coating 1 = Commercial, Humiseal 1A33 polyurethane 2 = Commercial, Humiseal 1B31 acrylic 3 = Industrial, No coating 4 = Industrial, Humiseal 1A33 polyurethane 5 = Industrial, Humiseal 1B31 acrylic 6 = Extended, Humiseal 1A33 polyurethane 7 = Extended, Humiseal 1B31 acrylic

Related Products

ATC139

- Carrier for dual Shelf Manager slots (VadaTech's VT011)
- PICMG 3.0 Rev 3.0 compliant
- Redundant failover between the two shelf managers

VT830

- 19" rackmount 6U ATCA Chassis with integrated Switch and Shelf Manager
- 10GbE/GbE Managed Layer 2
- 40GbE/10GbE/GbE Managed Layer 3

VT011

- Shelf manager for AdvancedTCA systems
- Utilizing VadaTech Third Generation Shelf Manager VT003
- Quad Core ARM Freescale processor @ 1 GHz per core

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