

ART002 – ATCA Rear Transition Module (RTM)

MicroTCA.4 RTM



KEY FEATURES

- ATCA RTM
- Quad SFP for GbE
- Dual SFP+ for 10 GbE
- iPASS connector for PCIe x8
- Five USB ports
- RS-232 ports for management and RTM IPMI
- IPMI version 2.0
- RoHS compliant

Advanced TCA®

Benefits of Choosing VadaTech

- Expertise in RTM design
- Full ecosystem for ATCA (Chassis, Shelf manager, switches, etc.)
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- AS9100 and ISO9001 certified company

The ART002 is an I/O expansion ATCA Rear Transition Module (ARTM) that provides GbE, 10 GbE, PCIe, USB and Management I/O for the front blade. The module is designed to mate with Artesyn Blade.

ART002 provides PCIe x8 access via an iPASS connector to the rear. The GbE rear access is provided via quad SFP ports.

The module has dual 10 GbE MAC/PHY which mates to the host via the zone 3 connector and provides dual SFP+ to the rear.

The ART002 also provides dual RS-232 ports for management and RTM IPMI access to the rear.

BLOCK DIAGRAM

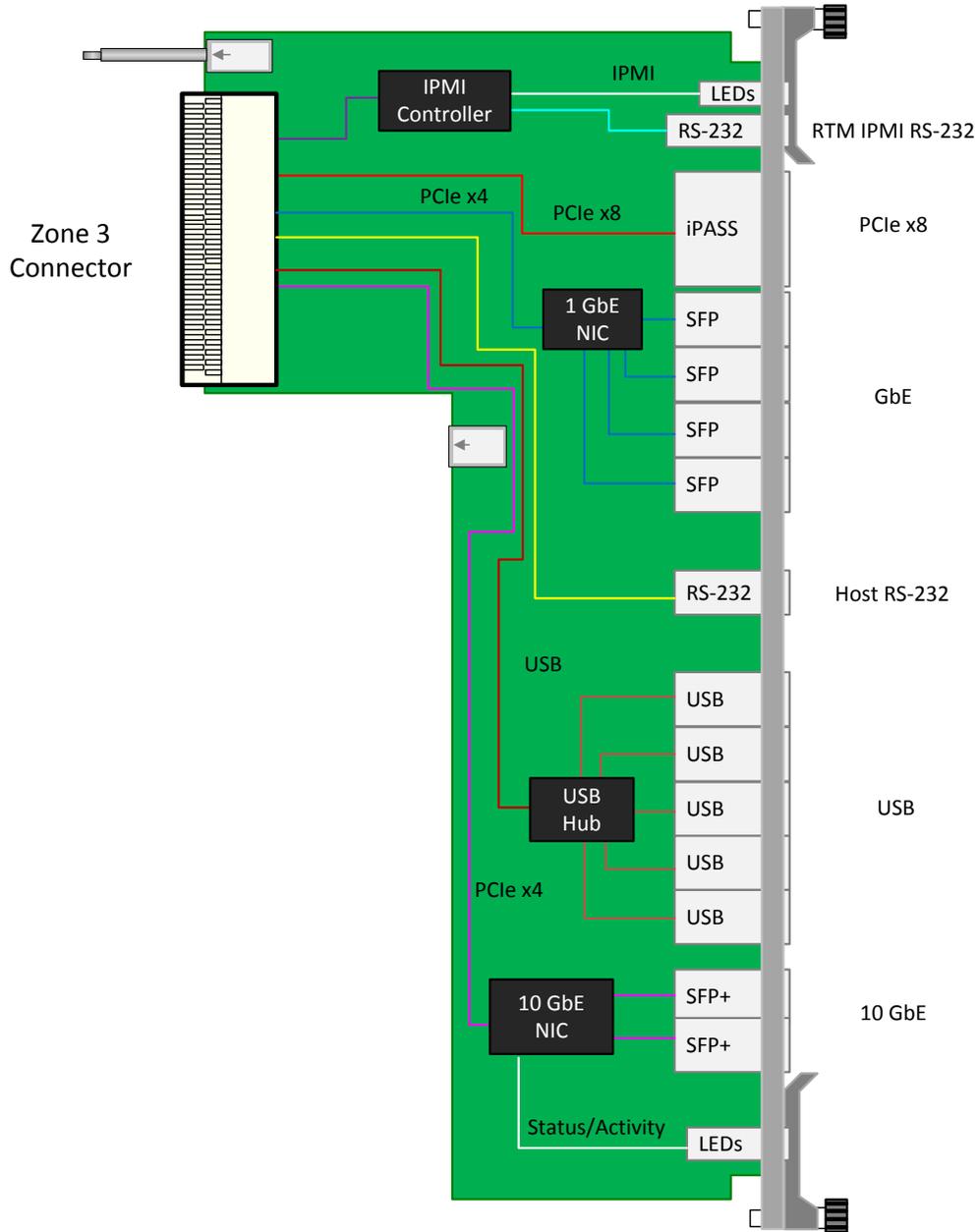


Figure 1: Functional Block Diagram

ART002 – ATCA Rear Transition Module (RTM)

SPECIFICATIONS

Architecture		
Physical	Dimensions	Width 12.69" (322.25 mm)
		Depth 3.7" (94 mm)
Type	ATCA RTM	I/O module
Standards		
Module Management	IPMI	IPMI Version 2.0
Ethernet		GbE and 10 GbE
PCIe	Lanes	x8
PICMG	ATCA	PICMG 3.0 R2.0
Configuration		
Power	ART002	15W
Environmental	Temperature	Operating Temperature: -5° to 55° C
		Storage Temperature: -40° to +90° C
	Vibration	1G, 5 to 500 Hz on each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95 percent, non-condensing
Rear I/O	10 GbE	Dual SFP+
	GbE	4x SFP
	USB	5 ports
	PCIe	iPASS connector for PCIe x8
	RS-232	RS-232 for host CPU and Management
	LEDs	IPMI Management Control
		Link/Status LEDs
	Mechanical	Hot Swap Ejector Handle
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 μ TCA 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

ART002 – A00 – 000 – 00J

A = Fiber Transceivers for the 10GbE/1GbE

0 = SR Style

1 = LR Style

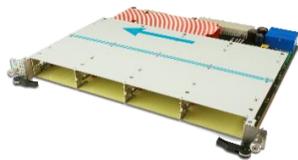
J = Conformal Coating

0 = None

1 = Humiseal 1A33 Polyurethane

2 = Humiseal 1B31 Acrylic

RELATED PRODUCTS



ATC133 10GbE ATCA Carrier



VT830 6U ATCA SlotSaver Shelf



ART132 ATCA RTM

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