

ART140A

ATCA Rear Transition (ART) Module for VadaTech ATC140 Blade

ART140A



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Key Features

- AdvancedTCA RTM for VadaTech ATC140 Blade
- Quad GbE 10/100/1000Base-T
- Dual USB2.0
- Quad SATA ports via mini-SAS connector
- 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

AdvancedTCA®



ART140A

The ART140A is an I/O expansion ATCA Rear Transition Module (ARTM) that provides quad GbE, dual USB2.0 and quad SATA. The module is designed to mate with the VadaTech ATC140 Blade.

Figure 1: ART140A

Figure 2: ART140A Front View

Block Diagram

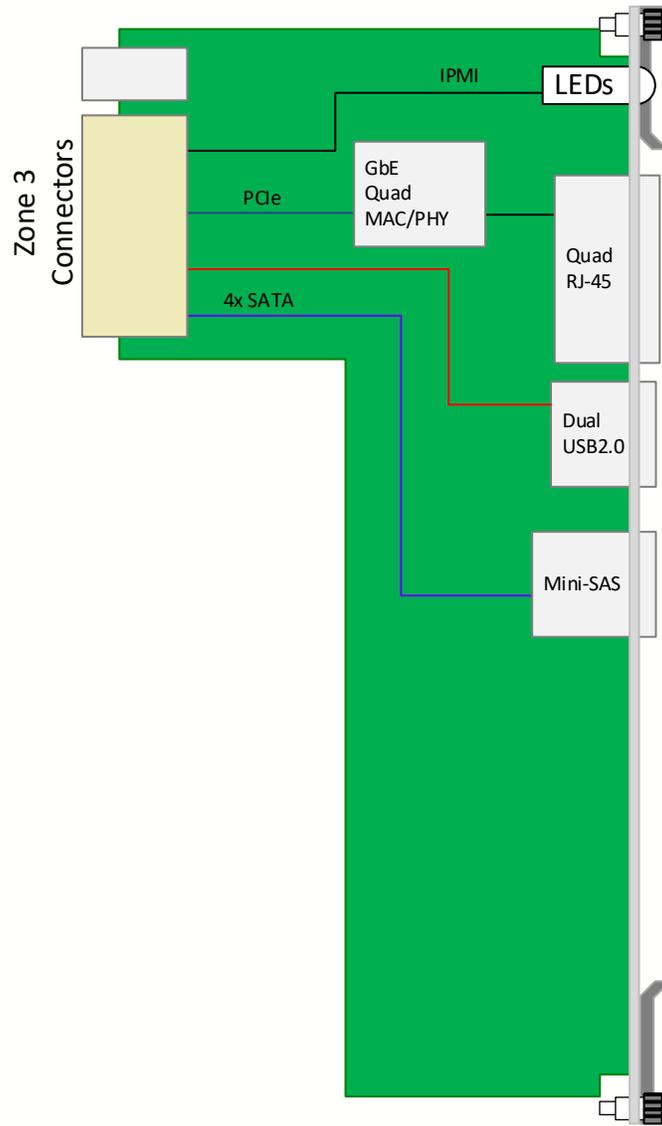


Figure 3: ART140A Functional Block Diagram

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	Storage module for the VadaTech ATC140A
Standards		
PICMG	ATCA	PICMG 3.0 revision 2.0
Module Management	IPMI	IPMI version 2.0
Configuration		
Power	ART140A	~6 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 USB 2.0 and Quad SATA ports via min-SAS connector Quad GbE via RJ-45
	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 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.

Ordering Options

ART140A – 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

Contact

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- Constant innovation
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We commit to our customers

- Partnerships power innovation
- Collaborative approach
- Mutual success

We deliver complexity

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- System management
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We manufacture in-house

- Agile production
- Accelerated deployment
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