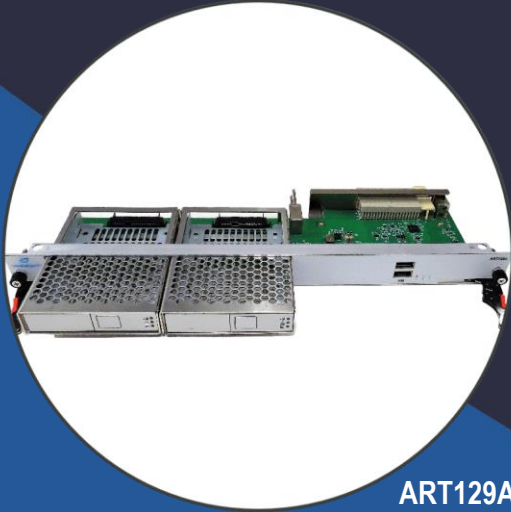


ART129A

ATCA Rear Transition (ART) Module for Vada Tech ATC129 Blade



ART129A

Key Features

- AdvancedTCA RTM for VadaTech ATC129 Blade
- Dual removable 2.5" SATA Disk
- Dual USB2.0
- 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®



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ART129A

The ART129A is a storage expansion ATCA Rear Transition Module (ARTM) that provides dual removable 2.5" Disk, and dual USB2.0 to the front Blade. The module is designed to mate with the VadaTech ATC129 Blade.

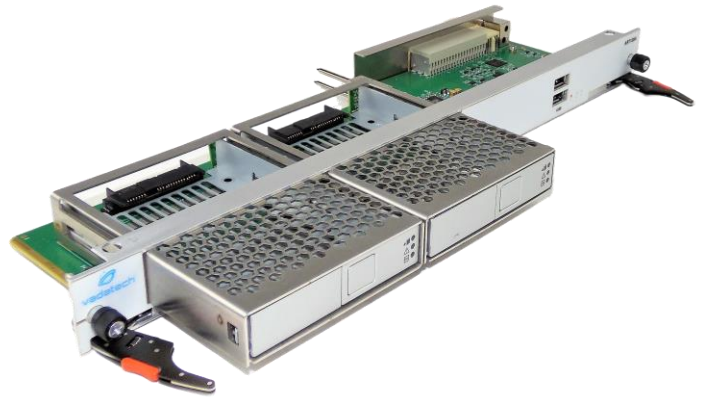


Figure 1: ART129A



Figure 2: ART129A Front View

Block Diagram

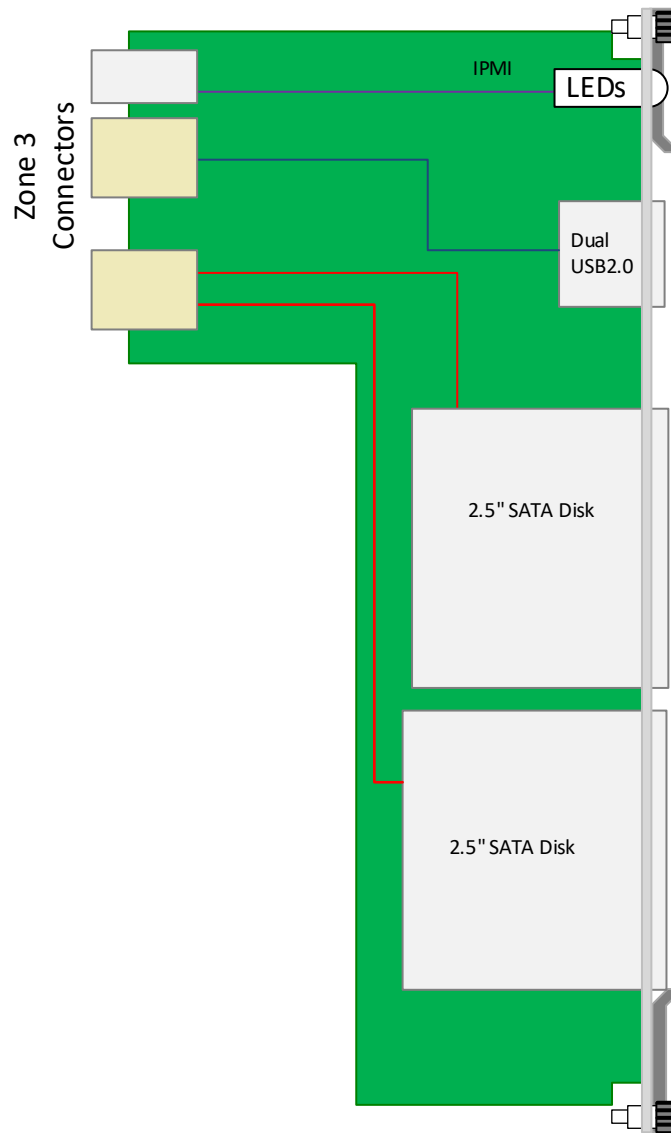


Figure 3: ART129A Functional Block Diagram

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 ATC129A
Standards		
PICMG	ATCA	PICMG 3.0 revision 2.0
Module Management	IPMI	IPMI version 2.0
Configuration		
Power	ART129A	~10 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 Dual removal SATA Storage
	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.

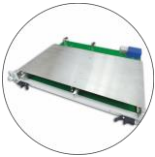
Ordering Options

ART129A – A00-D00-00J

A = SATA Drive Disk One Capacity	D = SATA Drive Disk Two Capacity	
0 = 512GB SSD 1 = 1TB SSD 2 = 2TB SSD 3 = 4TB SSD 4 = 8 TB SSD 5 = 16TB SSD 6 = Reserved 7 = Reserved 8 = Reserved 9 = Rotary disk Enterprise (contact Sales)	0 = 512GB SSD 1 = 1TB SSD 2 = 2TB SSD 3 = 4TB SSD 4 = 8 TB SSD 5 = 16TB SSD 6 = Reserved 7 = Reserved 8 = Reserved 9 = Rotary disk Enterprise (contact Sales)	
		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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