

## ART120 – ATCA Rear Transition Module (RTM)

ATCA RTM



### KEY FEATURES

- AdvancedTCA RTM
- Layer 2 managed Ethernet switch
- USB 2.0 and 3.0 Ports
- Dual 10GbE and GbE
- I<sup>2</sup>C Interface to Chassis CDM, Temp Sensors, etc.
- VGA In/Out
- RoHS compliant

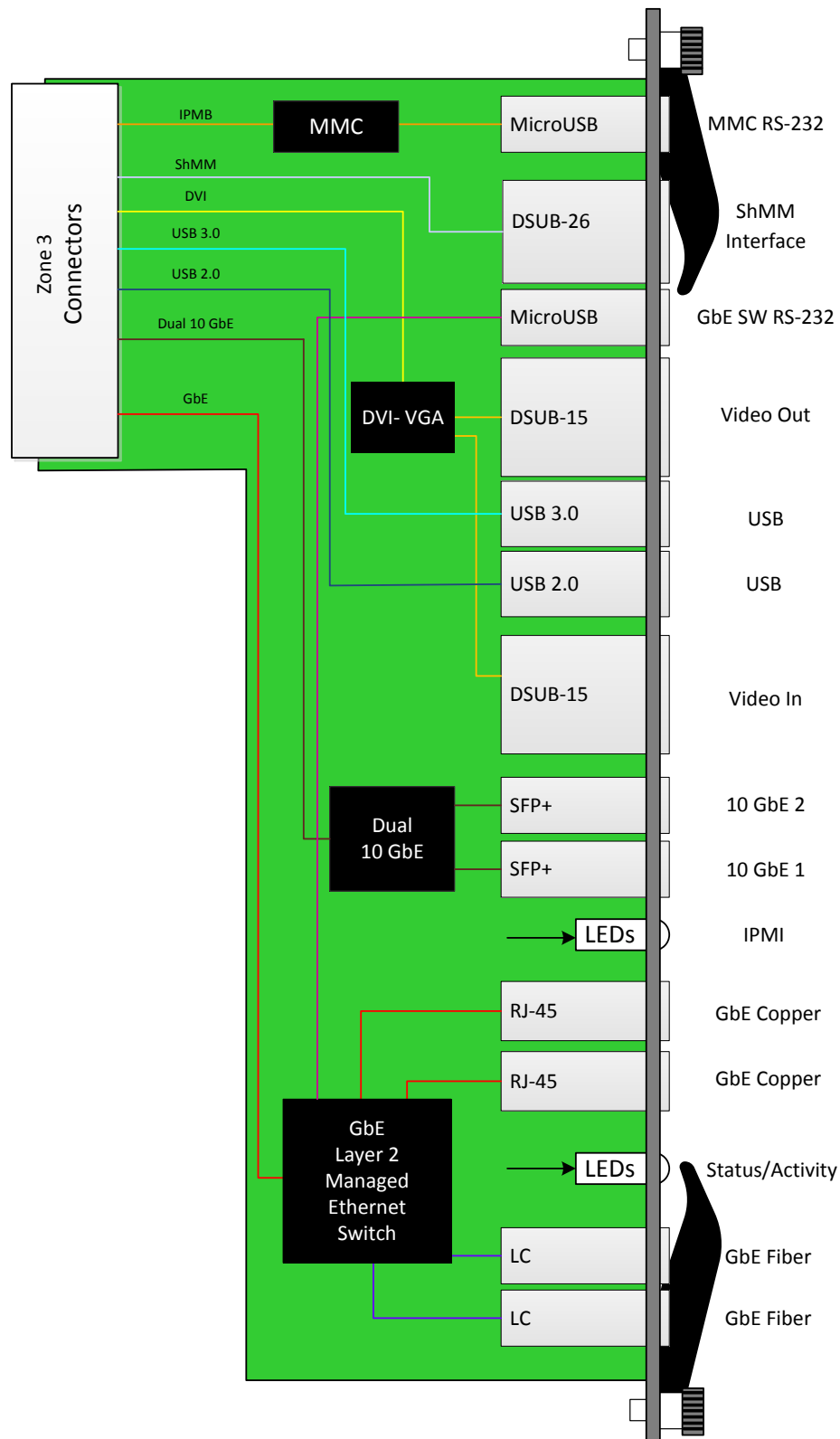
### Benefits of Choosing VadaTech

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

The ART120 is a Rear Transition Module (RTM) I/O expander. It includes dual 10GbE, Layer 2 managed switch, dual USB 3.0, Video In/Out and I<sup>2</sup>C buses to read chassis CDM, Temp sensors, etc.

The Layer 2 managed switch has dual GbE via RJ-45 and dual Fiber via SFF ports.

## BLOCK DIAGRAM



# ART120 – ATCA Rear Transition Module (RTM)

## SPECIFICATIONS

Architecture		
Physical	Dimensions	Width: 12.69 in. (322.25 mm)
		Depth: 3.7 in. (94mm)
Type	ATCA RTM	I/O Module
Standards		
ATCA	Type	ATCA RTM
PCIe	Lanes	PCIe x4
Configuration		
Power	ART120	~ 15W
Environmental	Temperature	Operating Temperature: 0° to 65° C (airflow requirement is > 400LFM)
		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
Front Panel	Interface Connectors	Dual SFP+, dual SFF, dual RJ-45, dual micro USB (serial ports), USB 2.0 and 3.0
		VGA In/Out via DB-15 and ShMM Interface via DB-26
	LEDs	IPMI Management Control
	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	
Trademarks and Disclaimer	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedTCA™ and the AdvancedMC™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice	

### INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and  $\mu$ 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.

### Trademarks and Disclaimer

The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedTCA™ and the AdvancedMC™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.

# ART120 – ATCA Rear Transition Module (RTM)

## ORDERING OPTIONS

### ART120 – A00 – 000 – 0HJ

#### A = Dual SFP+ Transceivers

0 = None

1 = 10GBASE-SR (10/1GbE)

2 = 10GBASE-LR (10/1GbE)

3 = 10GBASE-SR (10GbE ONLY)

4 = 10GBASE-LR (10GbE ONLY)

5 = 1GBASE-SR (GbE ONLY)

6 = 1GBASE-LR (GbE ONLY)

#### H = Operating Temperature

0 = Commercial

1 = Industrial

#### J = Conformal Coating

0 = None

1 = Humiseal 1A33 Polyurethane

2 = Humiseal 1B31 Acrylic

## RELATED PRODUCTS



**ATC121 PCI3  
Gen 3 Carrier**



**VT830 6U ATCA  
SlotSaver Chassis**



**ATC806 40G/10G  
ATCA Switch**

## CONTACT US

#### VadaTech Corporate Office

198 N. Gibson Rd.  
Henderson, NV 89014  
Email: [info@vadatech.com](mailto:info@vadatech.com)  
Telephone: +1 702 896-3337  
Fax: +1 702 896-0332

#### Asia Pacific Sales Office

7 Floor, No. 2, Wenhua Street, Neihu District,  
Taipei 114, Taiwan  
Email: [info@vadatech.com](mailto:info@vadatech.com)  
Telephone: +886-2-2627-7655  
Fax: +886-2-2627-7792

#### VadaTech European Sales Office

VadaTech House, Bulls Copse Road,  
Southampton, SO40 9LR  
Email: [info@vadatech.com](mailto:info@vadatech.com)  
Telephone: +44 2380 016403