

MRT575A

MTCA.4 RTM for AMC575, Passive



MRT575A

Key Features

- MicroTCA.4 RTM for the AMC575
- 8 ADC and 16 DAC signals routed to rear panel
- Clock/trigger routed to rear panel

Benefits

- Expertise in RTM and MTCA.4 board design
- Full ecosystem of MicroTCA.4 AMCs, PMs, MCH, RTMs, chassis, and application-ready systems
- 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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MRT575A

The MRT575A is a Rear Transition Module (RTM) for VadaTech's AMC575, routing analog signals to the rear panel. The mid-size version routes 16 DAC outputs, with the full-size version adding 8 ADC inputs.

VadaTech offers a wide range of MicroTCA.4 products, including full systems. Contact your local salesperson or representative for details.



Figure 1: MRT575A

Block Diagram

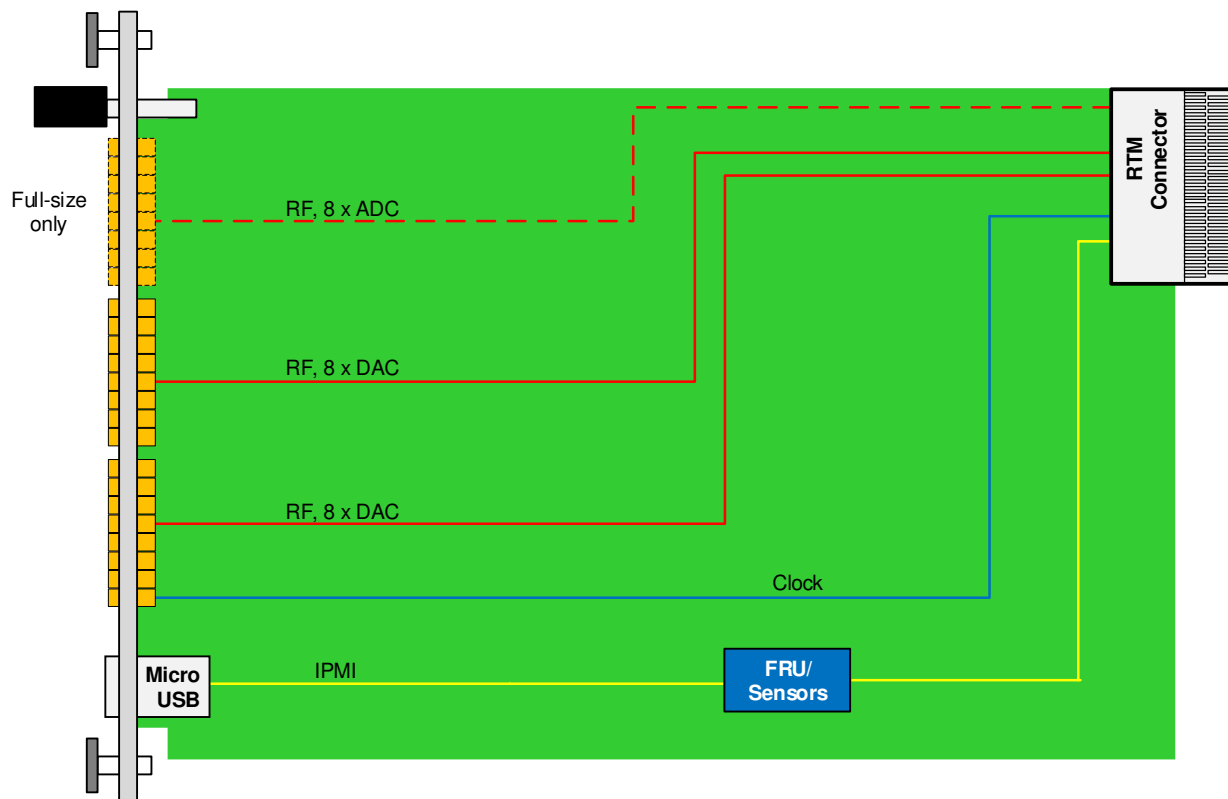


Figure 2: MRT575A Functional Block Diagram

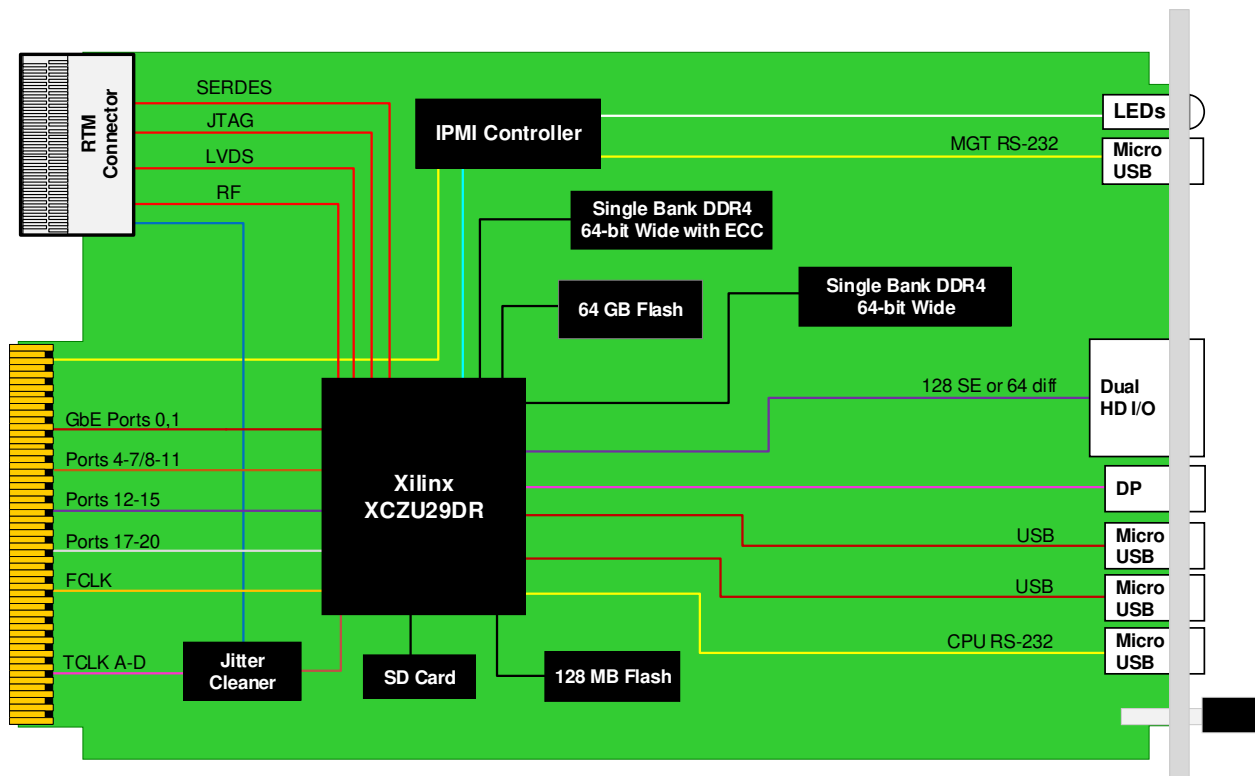


Figure 3: AMC575 Functional Block Diagram (sold separately)

Specifications

Architecture		
Physical	Dimensions	Double module, mid-size (full-size optional)
		Width: 5.85" (148.5 mm)
		Depth 7.18" (182.6 mm)
		Weight: 0.3 lbs (136 g)
Type		Analog I/O MicroRTM
		Single Mezzanine Card Slot
Standards		
MTCA	Type	MTCA.4 RTM
Module Management	IPMI	IPMI v2.0
Configuration		
Power	MRT575A	TBD
Environmental	Temperature	See Ordering Options
		Storage Temperature: -40° to +85°C
	Vibration	Operating 9.8 m/s ² (1G), 5 to 500 Hz on each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95% non-condensing
Rear Panel	Interface Connectors	Four 9-way Nanonic coax
		MicroUSB for IPMI
	LEDs	IPMI management control
	Mechanical	Hot swap ejector handle
Software Support	Operating System	N/A
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, see VadaTech Terms and Conditions	

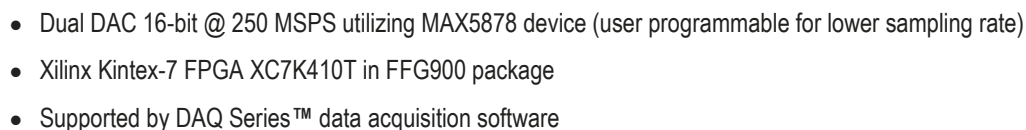
INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of OpenVPX, ATCA and MTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTMs), 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.

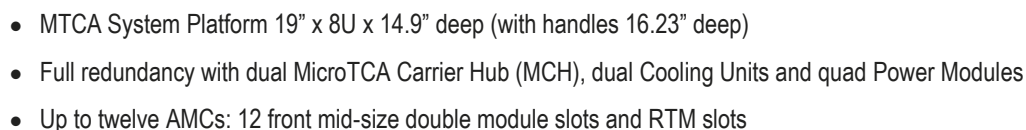
MRT575A – 00C-000-00J

For operational reasons VadaTech reserves the right to supply a higher speed FPGA device than specified on any particular order/delivery at no additional cost, unless the customer has entered into a Revision Lock agreement with respect to this product.

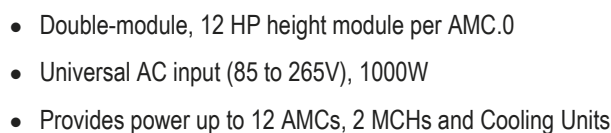
AMC523



VT811



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DOC NO. 4FM737-12 REV 01 | VERSION 1.5 – AUG/19