

# AMC521 – 24 Channels ADC, Mixed Sampling Rate, 16-Bit

## SPECIFICATIONS

Architecture		
Physical	Dimensions	Double module, Full-size Width 5.85" (148.5 mm) Depth 7.11" (180.6 mm)
	Type	AMC FPGA 24 ADC (16 fast and 8 slower sampling rate) @ 16-bit
Standards		
µTCA	Type	MTCA.0, MTCA.1
AMC	Type	AMC.0, AMC.1, AMC.2, AMC.3, AMC.4
Module Management	IPMI	IPMI Version 2.0
PCIe	Lanes	Dual x4 or single x8 via FPGA to AMC
SRIO	Lanes	Dual x4 via FPGA to AMC
Ethernet	Lanes	Dual 10GbE via FPGA and dual GbE via FPGA
Configuration		
Power	AMC521	~25 W, application specific (up to 50 W)
Environmental	Temperature	Operating Temperature: -5° to 55° C (air flow requirements >400 LFM)) Storage Temperature: -40° to +85° 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	FPGA JTAG port 24 I/O via DensiShield connectors ADC inputs via SSMC connectors IPMI RS-232
	LEDs	IPMI Management Control Four user defined LED
	Mechanical	Hot Swap Ejector Handle
	Software Support	Operating Systems Independent
	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 µTCA 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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