Specifications

Architecture		
Physical	**Dimensions**	Single Module, full-size
		Width: 2.89” (73.5 mm)
		Depth: 7.11” (180.6 mm)
Type	**AMC FPGA ADC/DAC**	Xilinx UltraScale™ XCKU115 FPGA
		20 GB of DDR4: Two banks 8 GB of DDR4 64-bit wide and one bank 4 GB of DDR4 32-bit wide
		Octal wideband transceivers, AD9371
Standards		
AMC	**Type**	AMC.1 PCIe, AMC.2 Ethernet and AMC.4 SRIO (FPGA programmable)
Module Management	**IPMI**	IPMI v2.0
PCIe	**Lanes**	Single or Dual x4 via FPGA to AMC per ordering option F
SRIO/XAUI	**Lanes**	Single or Dual x4 via FPGA to AMC per ordering option F
SerDes	**Lanes**	x8 via FPGA to AMC Ports 12-15 and 17-20
Ethernet	**GbE**	Dual GbE
Configuration		
Power	**AMC597**	~55W application dependent (may go up to 65W)
Environmental	**Temperature**	See Ordering Options and Environmental Spec Sheet
		Storage Temperature: –40° to +85°C
	Vibration	Operating 9.8 m/s2 (1G), 5-500 Hz
	Shock	Operating 30Gs each axis
	Relative Humidity	5 to 95% non-condensing
Front Panel	**Interface Connectors**	x22 Nanonics Coaxial: 1x4 and 2x9 connectors
		MGT RS-232 and FPGA RS-232
		1x mini DisplayPort
	LEDs	IPMI management control
		8 user defined LEDs
	Mechanical	Hot-swap ejector handle
Software Support	**Operating System**	Agnostic
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.