Specifications

Architecture		
Physical	**Dimensions**	Height: 6U
		6.366 x 9.187 (PCB size)
		Single slot
Type	**VME FPGA ADC**	Xilinx UltraScale™ XCKU115 FPGA
		Three banks of DDR4 (dual 64-bit and single 32-bit)
		Dual TI ADC
		14xLVCMOS and 34x LVDS to P2
Standards		
VME	**Type**	VME SSTL 160 pins (P2 B not routed - no VME bus transaction)
Configuration		
Power	**VME599**	Up to 120W (FPGA load and airflow dependent)
Environmental	**Temperature**	See ordering option J
		Storage Temperature: −40° to +85°C
	Vibration	3-10 Hz displacement amplitude 1 mm; 10-50 Hz acceleration amplitude 0.2g
	Shock	½ sine pulse, 15g, 20ms
	Relative Humidity	5 to 95% non-condensing
	Cooling	Air-cooled; minimum required CFM applicable
Front Panel	**Interface Connectors**	FPGA 2x1/10G via RJ-45, 1x JTAG, 1x Serial via the single USB on front panel
		CPU 1x GbE via RJ-45, 1x Serial via the single USB on front panel
		4x RF, CLK and Trigger Analog Input via SMA-F
	LEDs	User LEDs from FPGA and Status LEDs from CPU
	Mechanical	Ejector Handle
Software Support	**Operating Systems**	Agnostic
Other		
MTBF		MIL Hand book 217-F@ TBD hrs
Certifications		Designed to meet FCC, CE and UL certifications, where applicable; designed to meet UL-60950 where applicable; ESD design to standard specification, as applicable IEEE 1101.10.
Standards		VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards; VadaTech is RoHS Compliant; Fabricated to pass UL94V-0;
Warranty		2 years per VadaTech T&Cs

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.