Specifications

Architecture		
Physical	**Dimensions**	6U, VPX
FPGA		Xilinx Virtex UltraScale+™ XCVU47P
Configuration		
Power	**VPX554**	~85W (CPU and FPGA load dependent)
Front Panel	**JTAG**	Standard JTAG header via front or P0
	USB 2.0	RS-232 from Health Management; CPU; FPGA
	USB 3.0	Dual USB 3.0
	GbE	RJ-45
	FMC+0	FMC+ front I/O site 0
	FMC+1	FMC+ front I/O site 1
	LEDs	User defined by the FPGA and Health Management
VPX Interfaces	**Slot Profiles**	See Ordering Options
	Rear IO	P1: x4 PCIe Gen3 and x8 Reconfigurable SERDES
		P2: x2 RS422/485
		P3: x12 SERDES (up to 28Gbaud per lane)
		P4: x16 LVDS and/or 32 single ended (+1.8V)
		P5: x48 Single ended configurable as +3.3V or +5V per x8 configuration
		P6 : VITA66.5 12RX/TX
Software Support	**Operating System**	Linux (default) or VxWorks
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 ISO9001:2015 and AS9100D standards	
Warranty	Two (2) years, see VadaTech Terms and Conditions	

OpenVPX allows for a wide range of pin assignments and use cases. Prior to purchasing VadaTech products as standalone items (i.e. not part of an integrated platform) please consult with VadaTech on the system architecture to ensure compatibility.

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.