

# Specifications

Architecture		
<b>Physical</b>	<b>Dimensions</b>	Single module, full-size Width: 2.89" (73.5 mm) Depth 7.11" (180.6 mm)
<b>Type</b>	<b>FPGA MPSoC AMC</b>	Xilinx Zynq® UltraScale+™ XCZU19EG
	<b>DSP+ARM SoC</b>	TCI6638K2KCXAAWA2(4); security accelerator enabled / general-purpose device
Standards		
<b>AMC</b>	<b>Type</b>	AMC.0, AMC.1, AMC.2 and AMC.4
<b>Module Management</b>	<b>IPMI</b>	IPMI v2.0
<b>PCIe</b>	<b>Lanes</b>	x4 or x8 (Ports 4-11), additional Ports on 2-3
<b>SRIO</b>	<b>Lanes</b>	Dual x4 (Ports 4-11), additional Ports on 2-3
<b>10/40 GbE</b>	<b>Lanes</b>	Dual x4 (Ports 4-11), additional Ports on 2-3
<b>SRIO</b>	<b>Lanes</b>	Single x4 to DSP (ports 4-7)
Configuration		
<b>Power</b>	<b>AMC541</b>	60W (application specific)
<b>Environmental</b>	<b>Temperature</b>	See <a href="#">Ordering Options</a> and <a href="#">Environmental Spec Sheet</a> Storage Temperature: -40° to +85°C
	<b>Vibration</b>	Operating 9.8 m/s <sup>2</sup> (1G), 5 to 500 Hz on each axis
	<b>Shock</b>	Operating 30Gs on each axis
	<b>Relative Humidity</b>	5 to 95% non-condensing
<b>Front Panel</b>	<b>Interface Connectors</b>	3 SFP+ IPMI, FPGA and DSP serial RS-232 via Micro USB (2.0) USB Type C (3.0) Clk In and Trigger In via SSMC
	<b>LEDs</b>	IPMI management control Status
	<b>Mechanical</b>	Hot-swap ejector handle
<b>Software Support</b>	<b>Operating System</b>	Independent
Other		
<b>MTBF</b>		MIL Hand book 217-F@ TBD hrs
<b>Certifications</b>		Designed to meet FCC, CE and UL certifications, where applicable
<b>Standards</b>		VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards
<b>Warranty</b>		Two (2) years, see <a href="#">VadaTech Terms and Conditions</a>

## 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.