

# Specifications

Architecture	
<b>Physical</b>	<b>Dimensions</b> Double module, mid-size (full-size optional) Width 5.85" (148.5 mm) Depth 7.11" (180.6 mm)
<b>Type</b>	<b>AMC FPGA Carrier</b> Xilinx Kintex-7 Device (XC7K420T) Dual FMC slots iMX6 Quad CPU
Standards	
<b>AMC</b>	<b>Type</b> AMC.1, AMC.2, AMC.3 and AMC.4 (FPGA programmable)
<b>Module Management</b>	<b>IPMI</b> IPMI v2.0
<b>PCIe</b>	<b>Lanes</b> Dual x4 or x8 PCIe Gen 2 via FPGA to AMC
<b>SRIO</b>	<b>Lanes</b> Dual x4 via FPGA to AMC
<b>Ethernet</b>	<b>GbE</b> Ports 0 and 1
Configuration	
<b>Power</b>	<b>AMC502</b> ~20W, 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
	<b>Shock</b> 30G on each axis
	<b>Relative Humidity</b> 5 to 95% non-condensing
<b>Front Panel</b>	<b>Interface Connectors</b> Single FMC Slot Front panel dual FMC, IPMI RS-232, FPGA RS-232, CPU RS-232
	<b>LEDs</b> IPMI management control Debug (user defined) LED
	<b>Mechanical</b> Hot-swap ejector handle
<b>Software Support</b>	<b>Operating System</b> Linux, VxWorks and Windows
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.