

# Specifications

Architecture	
<b>Physical</b>	<b>Dimensions</b> Double module, mid-size (optional full-size) Width: 5.85" (148.5 mm) Depth 7.11" (180.6 mm)
<b>Type</b>	<b>FPGA AMC</b> Xilinx Virtex-7 XC7VX690T with three banks of DDR3 (64-bit)
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 12-15/17-20
<b>XAUI/SRIO</b>	<b>Lanes</b> Dual x4 (Ports 4-11), additional Ports on 12-15/17-20
<b>40 GbE</b>	<b>Lanes</b> Dual x4 (Ports 4-11), additional Ports on 12-15/17-20
Configuration	
<b>Power</b>	<b>AMC540</b> 55W (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 500Hz on each axis
	<b>Shock</b> Operating 30G on each axis
	<b>Relative Humidity</b> 5 to 95% non-condensing
<b>Front Panel</b>	<b>Interface Connectors</b> Dual GbE via RJ-45 24 RX/TX high speed SERDES via MTP/MPO style fiber Clk In and Ref In via SMPM MGT RS-232, FPGA RS-232, GbE RS-232, CPU RS-233 via Micro USB
	<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.