

# 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 Virtex-7 device, optional on-board CPU One bank of DDR3 (64-bit) Dual FMC slots
Standards		
<b>AMC</b>	<b>Type</b>	AMC.1, AMC.2 and AMC.4 (FPGA programmable)
<b>Module Management</b>	<b>IPMI</b>	IPMI v2.0
<b>PCIe</b>	<b>Lanes</b>	x4 via FPGA to AMC
<b>SRIO/Aurora</b>	<b>Lanes</b>	x4 via FPGA to AMC
<b>Ethernet</b>	<b>10GbE and GbE</b>	Dual 10GbE via FPGA and Dual 1000-BaseBX from PPC
Configuration		
<b>Power</b>	<b>AMC561</b>	Carrier is ~ 50W typical (without mezzanine) application specific
<b>Environmental</b>	<b>Temperature</b>	Operating Temperature: -5° to 55°C (air flow >400LFM) 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>	30Gs on each axis
	<b>Relative Humidity</b>	5 to 95% non-condensing
<b>Front Panel</b>	<b>Interface Connectors</b>	Dual front panel FMC Micro USB connector for MGT RS-232 and CPU RS-232 JTAG
	<b>LEDs</b>	IPMI management control 4 user defined LEDs, 5 general status LEDs
	<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 ISO9001:2015 and AS9100D 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.