

# Specifications

Architecture		
<b>Physical</b>	<b>Dimensions</b>	Single module, mid-size (full-size optional) Width: 2.89" (73.5 mm) Depth 7.11" (180.6 mm)
<b>Type</b>	<b>AMC FPGA</b>	Stratix-10™ SoC FPGA
<b>Memory</b>		Dual bank of DDR4 (64-bit wide)
Standards		
<b>AMC</b>	<b>Type</b>	AMC.0, AMC.1, AMC.2, AMC.3 and AMC.4
<b>Module Management</b>	<b>IPMI</b>	IPMI v2.0
<b>PCIe</b>	<b>Lanes</b>	Dual x4 or single x8 via FPGA to AMC
<b>SRIO</b>	<b>Lanes</b>	Dual x4 via FPGA to AMC
<b>Ethernet</b>	<b>1/10/40GbE</b>	Dual 1/10/40GbE via FPGA (Ports 0-1 and 4-11)
Configuration		
<b>Power</b>	<b>AMC537</b>	~40W (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>	30G each axis
	<b>Relative Humidity</b>	5 to 95% non-condensing
<b>Front Panel</b>	<b>Interface Connectors</b>	Dual micro USB for MGT RS-232 and FPGA RS-232 Single FMC slot
	<b>LEDs</b>	IPMI management control Four user LEDs
	<b>Mechanical</b>	Hot-swap ejector handle
<b>Software Support</b>	<b>Operating System</b>	Linux
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.