

# Specifications

Architecture	
<b>Physical</b>	<b>Dimensions</b> Single module, 8 HP Width: 2.89" (73.5 mm) Depth: 7.11" (180.6 mm)
<b>Type</b>	<b>AMC FPGA ADC/DAC</b> Xilinx UltraScale+™ XCVU13P FPGA Single bank of DDR4, 64-bit, 8 GB Quad ADC/Quad DAC (SOFI Catalogue <a href="#">A/D &amp; D/A (vadatech.com)</a> )
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> Single x4 or x8 via FPGA to AMC
<b>SRIO/XAUI</b>	<b>Lanes</b> Single or Dual x4 via FPGA to AMC
<b>SerDes</b>	<b>Lanes</b> x8 via FPGA to AMC Ports 12-15 and 17-20; T2 Ports 0-15 and LVDS on ports 17-20
<b>Ethernet</b>	<b>GbE and 10 GbE</b> Dual GbE and 10/40GbE
Configuration	
<b>Power</b>	<b>AMC549</b> ~75W application and SOFI module dependent
<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), 5-500 Hz on each axis <b>Shock</b> Operating 30Gs each axis <b>Relative Humidity</b> 5 to 95% non-condensing
<b>Front Panel</b>	<b>Interface Connectors</b> SOFI module dependent Micro USBs for MGT RS-232 and FPGA RS-232 Front panel I/O for high speed LVDS differential (8 pairs) or singled ended <b>LEDs</b> IPMI management control 8 user defined LEDs <b>Mechanical</b> Hot-swap ejector handle
<b>Software Support</b>	<b>Operating System</b> Agnostic
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.