

Specifications

Architecture		
Physical	Dimensions	Single Module, mid-size Width: 2.89" (73.5 mm) Depth: 7.11" (180.6 mm)
Type	AMC FPGA Carrier	Xilinx FPGA Zynq-7000 Device SoC CPU included in FPGA package Single FMC slot Two banks of DDR3 (FPGA 64-bit, CPU 32-bit)
Standards		
AMC	Type	AMC.1, AMC.2 and AMC.4 (FPGA Programmable)
Module Management	IPMI	IPMI v2.0
PCIe	Lanes	Dual x4 via FPGA to AMC
SRIO	Lanes	Dual x4 via FPGA to AMC
Ethernet	10GbE and GbE	Dual 10GbE and Dual 1000-BaseBX from Zynq FPGA
Configuration		
Power	AMC518	Carrier is ~10W (without mezzanine) application specific
Environmental	Temperature	See ordering options and environmental spec sheet Storage Temperature: -40° to +85°C
	Altitude	40,000 ft non-operating
	Vibration	Operating 9.8 m/s ² (1G), 5-500 Hz
	Shock	Operating 30Gs each axis
	Relative Humidity	5 to 95% non-condensing
Front Panel	Interface Connectors	Front Panel FMC 2x Micro USB for MGT RS-232 and CPU RS-232
	LEDs	IPMI, activity and user defined
	Mechanical	Hot swap ejector handle
Software Support	Operating System	Linux, VxWorks and Windows
Other		
MTBF		MIL Hand book 217-F@ TBD hrs
Certifications		Designed to meet FCC, CE and UL certifications, where applicable
Standards		VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards
Warranty		Two (2) years

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.