

SPECIFICATIONS

Architecture		
Physical	Dimensions	Single-width, Mid-height
		Width: 2.89" (73.5 mm)
		Depth 7.11" (180.6 mm)
Type	AMC FPGA Carrier	Xilinx FPGA Zynq-7000 Device
		Optional on-board CPU
		Single FMC slot
		Two banks of DDR-III (32-bit each) internally gangable to 64-bit if desired
Standards		
AMC	Type	AMC.1, AMC.2, and AMC.4 (FPGA programmable)
Module Management	IPMI	IPMI version 2.0
PCIe	Lanes	Dual x4 via FPGA to AMC
SRIO	Lanes	Dual x4 via FPGA to AMC
Ethernet	10 GbE and GbE	Dual 10GbE via FPGA and Dual 1000-BaseBX from PPC
Configuration		
Power	AMC518	Carrier is ~10W (without mezzanine) application specific
Environmental	Temperature	Operating Temperature: 0° to 65°C (air flow >400LFM)
		Storage Temperature: -40° to +90°C
	Vibration	Operating 9.8 m/s ² (1.0G), 5 to 500Hz
	Shock	Operating 30Gs each axis
	Relative Humidity	5 to 95 per cent, non-condensing
Front Panel	Interface Connectors	Micro DB15 connector for Telco Alarm
	LEDs	IPMI management control
		4 user defined LEDs
	Mechanical	Hot swap ejector handle
Software Support	Operating System	Linux, VxWorks and Windows
Conformal Coating		Humiseal 1A33 Polyurethane (Optional)
		Humiseal 1B31 Acrylic (Optional)
Other		
MTFB	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	
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