

SPECIFICATIONS

Architecture

Physical	Dimensions	Double module, mid or full-size
		Width: 5.85" (148.5 mm)
		Depth 7.11" (180.6 mm)
Type	AMC FPGA Carrier	Xilinx Virtex-7 device, optional on-board CPU
		One bank of DDR3 (64-bit)
		Dual FMC slots

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/Aurora	Lanes	Dual x4 via FPGA to AMC
Ethernet	10 GbE and GbE	Dual 10 GbE via FPGA and Dual 1000-BaseBX from PPC

Configuration

Power	AMC525	Carrier is ~20W (without mezzanine) application specific
Environmental	Temperature	Operating Temperature: -5° to 55°C (air flow > 400LFM) industrial and military versions also available (See environmental spec sheet)
		Storage Temperature: -40° to +85°C
	Vibration	Operating 9.8 m/s ² (1.0 G), 5 to 500Hz
	Shock	30Gs on each axis
	Relative Humidity	5 to 95 per cent, non-condensing
Front Panel	Interface Connectors	Dual front panel FMC, MGT RS-232, CPU RS-232, JTAG
	LEDs	IPMI management control
		4 user defined LEDs, 5 general status LEDs
Software Support	Mechanical	Hot swap ejector handle
	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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